

Test Lab Work Request Form

Engineer: James Urbon

Project #:

Date Submitted: 6/26/2007

Completion Date
Justification:

Test Description:

T&P test of
Stainless Steel
Barreled
M/770 rifles.

Test Procedure:

- Any questions should be directed to James Urbon. If any clarification is required, please ask don't assume.
- Record all test progress and data on a Daily Log Sheet and in this TLW.
- Label rifles (All)
 - Label with the standard information; serial number, model number, TLW number, and Test ID number
 - Label the 300 Win Mag rifles with ID #'s A1, A2, etc.
 - Label the 30-06 rifles with ID #'s B1, B2, etc.
 - Label the 243 Win Youth rifles with ID #'s C1, C2, etc.
- Initial Measurement and Inspection. (All)
 - Generally visually inspect the overall condition of all of the rifles. Note and photograph any anomalies.
 - Measure the trigger pull on all of the rifles using the Dvorak.
 - Perform a safety function test on all of the rifles.
 - Measure the depth of the front take down screw hole located in the barrel on all of the rifles.
 - For rifles A1 – A3, B1 – B3, and C1 – C3, Measure the chamber dimension via chamber cast. Measure the bore and groove dimensions using best method available. Measure twist rate using best method available.
- Head Space / Proof / Head Space (All)
 - Measure and record headspace using chamber shoulder head space gauges.
 - Fire one standard proof cartridge per rifle in controlled environment via lanyard.
 - Measure and record headspace using chamber shoulder head space gauges following proof test.
- Extended Proof (A7)
 - Fire 100 standard proof cartridges in rifle A7.
 - Measure and record the head space using chamber shoulder head space gauges after every round for the first 10 rounds, then after every 5 rounds until round level 50 and then after every 10 rounds until the end of the test.
- Hi-Pressure:

TLW Form

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TLW #:

2305

Requested Completion Date:

7/6/2007

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Measure twist rate using best method available.

- Head Space / Proof / Head Space (All)
 - Measure and record headspace using chamber shoulder head space gauges.
 - Fire one standard proof cartridge per rifle in controlled environment via lanyard.
 - Measure and record headspace using chamber shoulder head space gauges following proof test.
- Extended Proof (A7)
 - Fire 100 standard proof cartridges in rifle A7.
 - Measure and record the head space using chamber shoulder head space gauges after every round for the first 10 rounds, then after every 5 rounds until round level 50 and then after every 10 rounds until the end of the test.
- Ili-Pressure:
 - Shoot 3 rds @ 60gr / 65gr & 1 @ 70gr > determine final load @ 120kpsi. >1 Aug 07
 - Fire 1 @ 71.5gr (120kpsi) 2 Aug 07 fired round. Gun: 300WM / A9 - 71378962
 - Video loc: Etownade1/HighSpeedVideo/Thw2305

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o Measure and record headspace using chamber shoulder head space gauges following proof test.

• Extended Proof (A7)

o Fire 100 standard proof cartridges in rifle A7.

o Measure and record the head space using chamber shoulder head space gauges after every round for the first 10 rounds, then after every 5 rounds until round level 50 and then after every 10 rounds until the end of the test.

• Hi-Pressure:

o Shoot 3 rds @ 60gr / 65gr & 1 @ 70gr > determine final load @ 120kpsi. >1 Aug 07

o Fire 1 @ 71.5gr (120kpsi) 2 Aug 07 fired round. Gun: 300WM / A9 - 71378962

o Video loc: Etownadc1/HighSpeedVideo/TLw23C5

Supplies Availability:

Results Required:

*****This section to be completed by Test Lab Manager*****

Assigned To:

Sims, Jonathon

Start Date:

Assigned Date:

6/28/2007

Completion Date:

Comments:

TLW Form

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SUBJECT TO PROTECTIVE ORDER - KINZER V. REMINGTON

BARBER - RE 0000903

RE00000875

Test Lab Work Request Form

	Data Only
	Formal Report

TLW Form

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Test Lab Work Request Form

- Accuracy (A1-6, B1-6, C1-6)
 - Clean and inspect each rifle prior to testing.
 - Shoot at a minimum five shot to sight in and foul the rifle. Fire additional shots if required to sight in the rifle. Record the exact number of rounds fired.
 - Fire 3 five shot groups for each rifle at 100 yards.
 - Keep track of and mark the placement of each shot in each group. Number the shots in each group 1 – 5 in the order in which they were fired.
 - Measure and record the three shot group size in each group using shots 1 – 3.
 - Measure and record the five shot group size in each group using all five shots fired.
 - All groups are to be measured center to center.
 - Clean and inspect each rifle after completion of testing.
- Endurance (A1-6, B1-6, C1-6)
 - In each series, the guns are to be fired to the following round levels.
 - Guns 1 & 2 to 2000 RL.
 - Guns 3 & 4 to 1000 RL.
 - Guns 5 & 6 to 500 RL.
 - All guns are to be cooled to the touch every 20 rounds via shop air.
 - All guns are to be cleaned and inspected every 500 rounds.
- Metallurgical Evaluation
 - A sample of the endurance guns will be disassembled and have there barrels sectioned and mounted to check for possible barrel cracking and locking lug hardness.
- Environmental Testing (A8, B8)
 - Perform standard Hot test..
 - Perform standard Cold test.
 - Perform standard Thermal Cycle test.
- Dry Cycle (B7)
 - Dry cycle gun 10,000 cycles.
 - Lubricate gun every 500 cycles.
 - Photograph any where every 1000 cycles.
- High Pressure Abuse (A9)
 - Perform standard high pressure abuse test.
 - See S. Franz / J. Urban for details.

Cont'd Procedure

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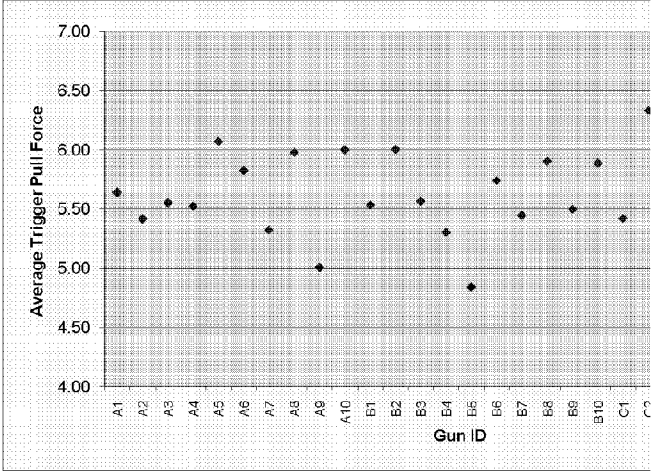
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Cont'd Procedure

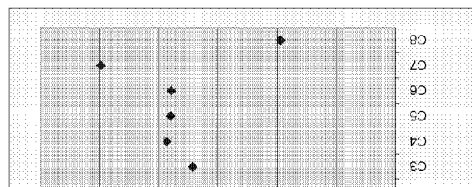
Model 770 Stainless Steel Trial and Pilot Testing Summary												
Caliber	300 Win Mag										30-06	
Serial #	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07	7.1E+07
Test Discription \ Gun ID #	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2
Visual Inspection	●	●	●	●	●	●	●	●	●	●	●	●
Trigger Pull	●	●	●	●	●	●	●	●	●	●	●	●
Safety Function	●	●	●	●	●	●	●	●	●	●	●	●
Front take down screw hole depth	●	●	●	●	●	●	●	●	●	●	●	●
Chamber and Bore Dimensions	●	●	●	●	●	●	●	●	●	●	●	●
HS- Proof - HS	●	●	●	●	●	●	●	●	●	●	●	●
Extended Proof							●					
Accuracy	●	●	●	●	●	●					●	●
Endurance to 500 RL	●	●	●	●	●	●					●	●
Endurance to 1000 RL	●	●	●	●							●	●
Endurance to 2000 RL	●	●									●	●
Hot Function												
Cold Function												
Thermal Cycle												
Metallurgical Evalution of Barrel	●										●	
Dry Cycle												
High Pressure Abuse									●			
Final Round Level	2021	2021	1021	1021	521	521	101	1	1 3	1	2021	2021
Notes											LEGEND	
1 Bolt difficult to close											○ = Planned	
2 Plus additional rounds fired during high pressure abuse											● = In-Progress	
3 Plus an additional 10,000 dry cycles											● = Completed & Passed	

[illegible]

Gun ID	Serial #	Cal	Visual Inspection	Safety Fcn Check	Hole Depth
A1	71378664	300 Win Mag	OK	OK	0.136
A2	71378765	300 Win Mag	OK	OK	0.138
A3	71378946	300 Win Mag	OK	OK	0.137
A4	71378961	300 Win Mag	OK	OK	0.139
A5	71378967	300 Win Mag	OK	OK	0.138
A6	71378751	300 Win Mag	OK	OK	0.135
A7	71378790	300 Win Mag	OK	OK	0.14
A8	71378795	300 Win Mag	OK	OK	0.142
A9	71378962	300 Win Mag	OK	OK	0.139
A10	71378963	300 Win Mag	OK	OK	0.14
B1	71378563	30-06	OK	OK	0.222
B2	71378643	30-06	OK	OK	0.222
B3	71378645	30-06	OK	OK	0.22
B4	71378739	30-06	OK	OK	0.223
B5	71378951	30-06	OK	OK	0.22
B6	71378741	30-06	OK	OK	0.221
B7	71378763	30-06	OK	OK	0.227
B8	71378768	30-06	OK	OK	0.224
B9	71378856	30-06	OK	OK	0.224
B10	71378960	30-06	Bolt diff to close	OK	0.219
C1	71378661	243 Youth	OK	OK	0.22
C2	71378750	243 Youth	OK	OK	0.217
C3	71378778	243 Youth	OK	OK	0.217
C4	71378875	243 Youth	OK	OK	0.222
C5	71378965	243 Youth	OK	OK	0.219
C6	71378780	243 Youth	OK	OK	0.216
C7	71378796	243 Youth	Old Vint FP Head	OK	0.213
C8	71378878	243 Youth	OK	OK	0.219



Gun ID	Trigger Pull					Avg
	#1	#2	#3	#4	#5	
A1	5.509	5.837	5.588	5.569	5.719	5.64
A2	5.248	5.706	4.986	5.607	5.552	5.42
A3	4.909	5.123	6.217	5.756	5.777	5.56
A4	5.709	5.58	5.494	5.443	5.415	5.53
A5	6.15	6.059	6.075	6.029	6.047	6.07
A6	5.917	5.964	5.872	5.712	5.676	5.83
A7	5.393	5.463	5.262	5.308	5.202	5.33
A8	5.842	5.842	6.736	5.75	5.724	5.98
A9	5.064	4.911	4.824	5.042	5.204	5.01
A10	6.147	6.25	6.05	5.853	5.72	6.00
B1	5.542	5.749	5.501	5.486	5.43	5.54
B2	6.091	6.142	6.02	5.945	5.836	6.01
B3	5.447	5.712	5.627	5.444	5.618	5.57
B4	5.435	5.272	5.21	5.333	5.281	5.31
B5	4.8	4.798	5.02	4.628	4.977	4.84
B6	5.86	5.829	5.936	5.637	5.447	5.74
B7	5.528	5.604	5.484	5.28	5.348	5.45
B8	5.977	6.161	5.929	5.958	5.508	5.91
B9	5.612	5.501	5.48	5.52	5.39	5.50
B10	5.972	5.761	6.269	5.672	5.772	5.89
C1	5.164	5.729	5.642	5.122	5.462	5.42
C2	6.322	6.505	6.345	6.226	6.272	6.33
C3	5.869	5.678	5.658	5.542	5.836	5.72
C4	6.067	5.997	5.939	5.912	5.767	5.94
C5	5.974	5.95	5.926	5.784	5.88	5.90
C6	5.92	5.623	5.855	5.685	6.398	5.90
C7	6.791	6.315	6.279	6.583	6.49	6.49
C8	5.007	4.893	5.031	4.909	5.04	4.98
						5.67



Chamber Castings
Note: + Gauges were utilized to measure the bore dia.

			A-1	A-2	A-3
A	0.4901	0.4916	0.4932	0.4922	0.493
B			0.5157	0.5164	0.5148
C			0.5459	0.5451	0.5459
D			0.3442	0.3438	0.3436
E			0.3432	0.3428	0.3428
F			0.3172	0.3175	0.3139
G			0.3093	0.3095	0.3102
H			0.3	0.3	0.3
Twist Rate			1:10"	1:10"	1:10"

B-1	B-2	B-3
0.4456	0.4453	0.4453
0.4725	0.474	0.4704
0.3432	0.3428	0.3431
0.3107	0.3105	0.3108
0.3074	0.3097	0.31
0.3	0.3	0.3

1:10" 1:10" 1:10"

C-1	C-2	C-3
0.457	0.4571	0.4577
0.4714	0.4734	0.4638
0.277	0.279	0.2789
		0.2783
		0.2794
		0.2413
		0.2447
		0.2444
		0.2435
		0.244
		0.2433
		0.237
		0.237
		0.237

1:9" 1:9" 1:9"

Gun ID	Serial #	Cal	Head Space before Proof	Head Space after Proof	Head Space Growth	Condition of Proof Case
A1	71378684	300 Win Mag	0.005	0.005	0	O.K.
A2	71378785	300 Win Mag	0.005	0.006	0.001	O.K.
A3	71378946	300 Win Mag	0.005	0.006	0.001	O.K.
A4	71378951	300 Win Mag	0.005	0.006	0.001	O.K.
A5	71378957	300 Win Mag	0.005	0.005	0	O.K.
A6	71378751	300 Win Mag	0.005	0.005	0	O.K.
A7	71378790	300 Win Mag	0.005	0.006	0.001	O.K.
A8	71378795	300 Win Mag	0.006	0.006	0	O.K.
A9	71378962	300 Win Mag	0.005	0.005	0	O.K.
A10	71378963	300 Win Mag	0.005	0.006	0.001	O.K.
B1	71378553	30-06	0.003	0.004	0.001	O.K.
B2	71378643	30-06	0.003	0.003	0	O.K.
B3	71378645	30-06	0.003	0.004	0.001	O.K.
B4	71378739	30-06	0.004	0.004	0	O.K.
B5	71378951	30-06	0.004	0.004	0	O.K.
B6	71378741	30-06	0.002	0.002	0	O.K.
B7	71378763	30-06	0.002	0.002	0	O.K.
B8	71378768	30-06	0.002	0.002	0	O.K.
B9	71378856	30-06	0.002	0.002	0	O.K.
B10	71378960	30-06	Min.	0.002	0.002	O.K.
C1	71378661	243 Youth	0.003	0.003	0	O.K.
C2	71378750	243 Youth	0.003	0.003	0	O.K.
C3	71378778	243 Youth	0.003	0.003	0	O.K.
C4	71378875	243 Youth	0.003	0.003	0	O.K.
C5	71378965	243 Youth	0.003	0.003	0	O.K.
C6	71378790	243 Youth	0.004	0.004	0	O.K.
C7	71378796	243 Youth	Out of test	Out of test	Out of test	Out of test
C8	71378878	243 Youth	0.003	0.003	0	O.K.

Extended Proof

Gun I.D.	A-7(.300Win.Mag.)
1	0.006
2	0.006
3	0.006
4	0.006
5	0.006
6	0.006
7	0.006
8	0.006
9	0.006
10	0.006
15	0.006
20	0.006
25	0.006
30	0.006
35	0.006
40	0.006
45	0.006
50	0.006
60	0.007
70	0.007
80	0.007
90	0.007
100	0.007

Shooter: B. Lee
Date: 25,26Jul07
Test Activity: Cold, Hot Testing

Cold Test

Task: Given two firearms(B-8,.30.06; C-8,.243 youth), Said firearms were placed in -20.0F for 24 hrs. prior to test. After 24hrs. Of exposure to temperature, 20rds. Was fired through each firearm @ 2 hr. intervals, shooting a total of 100 rds. Through each firearm.

Hot Test

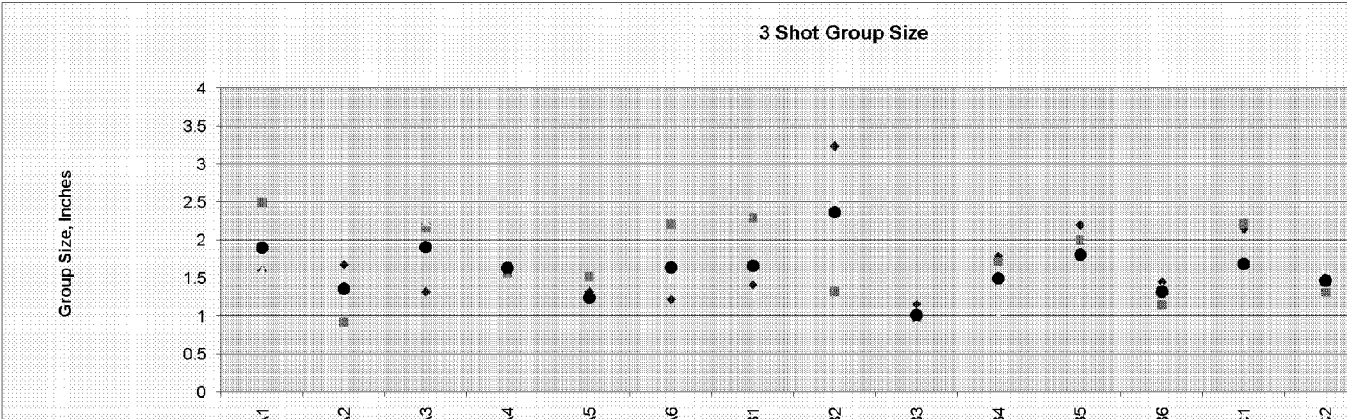
Task: Given two firearms(B-8,.30.06; C-8,.243 youth), Said firearms were placed in 120.2F for 24 hrs. prior to test. After 24hrs. Of exposure to temperature, 20rds. Was fired through each firearm @ 2 hr. intervals, shooting a total of 100 rds. Through each firearm.

Note: 1 misfire was recorded on B8 rd. 22 of Cold Test.

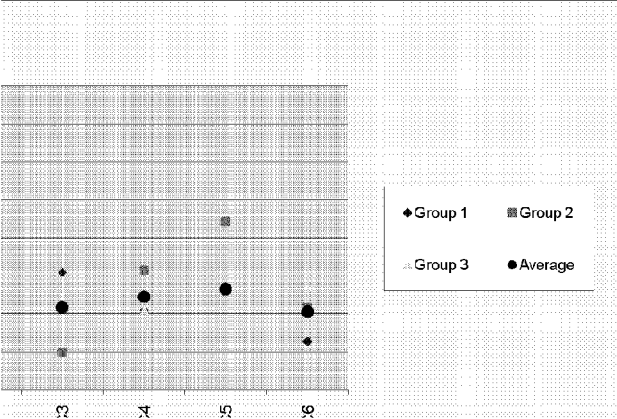
Shooter: J. Sims
Note: Accuracy was shot at 100yds. From bench, utilizing standard 3 X 9 Bushnell scope provided with firearm.
Ammo type: R300W2, R30065, R243W3

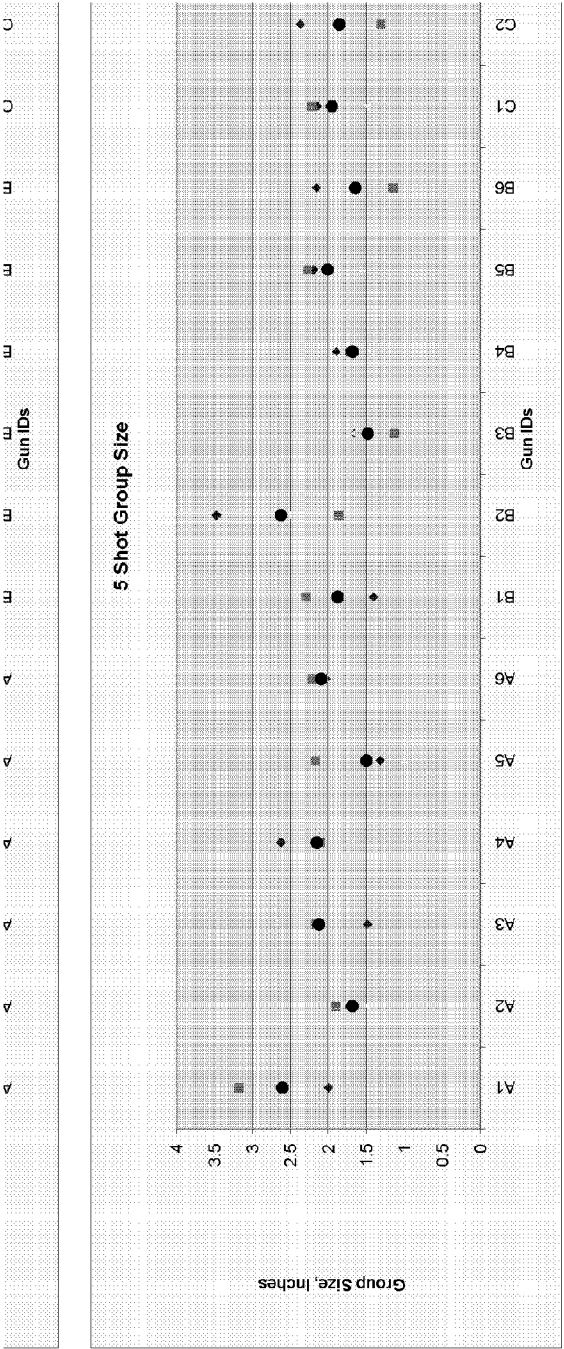
*A1 was not recorded with Oehler, measured grps. From paper target.

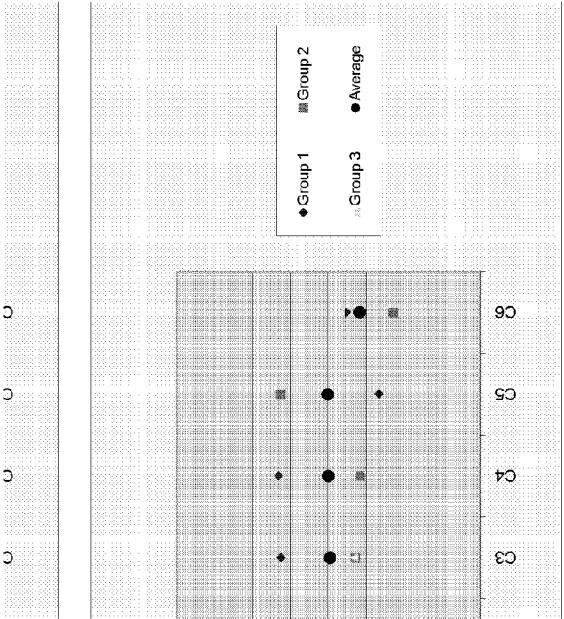
3 shot groups	
Group 1	
A1	1.6
A2	1.68
A3	1.32
A4	1.6
A5	1.32
A6	1.22
B1	1.41
B2	3.24
B3	1.16
B4	1.79
B5	2.2
B6	1.45
C1	2.15
C2	1.47
C3	1.55
C4	1.05
C5	1.34
C6	0.64



5 shot groups						
Group 2	Group 3	Average	Group 1	Group 2	Group 3	Average
2.5	1.6	1.90	2	3.175	2.65	2.61
0.92	1.48	1.36	1.68	1.9	1.48	1.69
2.17	2.24	1.91	1.49	2.17	2.72	2.13
1.57	1.73	1.63	2.63	2.11	1.73	2.16
1.52	0.89	1.24	1.32	2.17	1.02	1.50
2.21	1.5	1.64	2.03	2.21	2.06	2.10
2.29	1.28	1.66	1.41	2.29	1.94	1.88
1.32	2.54	2.37	3.48	1.87	2.54	2.63
0.99	0.9	1.02	1.66	1.13	1.67	1.49
1.72	0.99	1.50	1.9	1.72	1.44	1.69
2	1.23	1.81	2.2	2.27	1.57	2.01
1.15	1.37	1.32	2.16	1.15	1.63	1.55
2.22	0.7	1.69	2.15	2.22	1.5	1.96
1.31	1.62	1.47	2.37	1.31	1.9	1.86
0.49	1.23	1.09	2.63	1.65	1.67	1.98
1.58	1.06	1.23	2.66	1.58	1.78	2.01
2.22	0.43	1.33	1.34	2.63	2.06	2.01
1.09	1.37	1.03	1.77	1.15	1.85	1.59
		1.51				1.94







Clean and Inspect Summary																
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	
Before Test	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
500 RL	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
1000 RL	OK	OK	OK	OK			OK	OK	OK	OK			OK	OK	OK	
1500 RL	OK	OK					OK	OK					OK	OK		
2000 RL	OK	OK					OK	OK					OK	OK		

Malfunction Summary																
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	
500 RL	0	1*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 RL	0	0	2**	0			0	0	0	0			0	0	0	
1500 RL	0	0					0	0					0	0		
2000 RL	0	0					0	0					0	0		
* Fail to Eject on round 315																
**A3-Bolt/Sear Bound on rounds 638,697. Trigger got heavy few rounds prior to malfunction, then no fire.																

C4	C5	C6
OK	OK	OK
OK	OK	OK
OK		

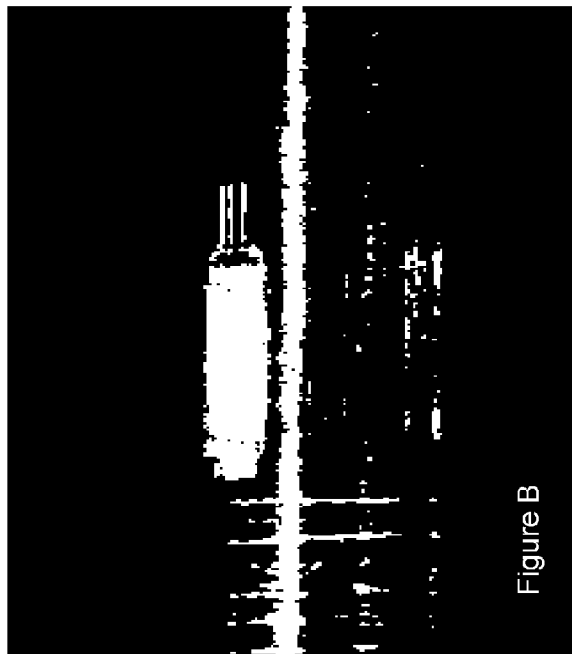
C4	C5	C6
0	0	0
0		

A-3 Firing Pin would bind up occasionally during livefire testing.

Upon disassembly & inspection it was determined that a piece of debris (most likely a metal chip) must have been lodged
This gouged into the firing pin as shown in Figures B & C and restricted the proper movement of the pin during livefire testing.



Figure A



Round Level	Test Gun ID																	
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
32																		
33																		
34																		
35																		
36																		
37																		
38																		
39																		
40																		
41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42																		
43																		
44																		

45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60	X	X X X X X X	X X X X X X
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80	X	X X X X X X	X X X X X X
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			

94			
95			
96			
97			
98			
99			
100	X	X X X X X	X X X X X X
101			
102			
103			
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115			
116			
117			
118			
119			
120	X	X X X X X	X X X X X X
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140	X	X X X X X	X X X X X X
141			
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Round Level	Test Gun ID											
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540	X	X	X	X	X	X	X	X	X	X	X	X
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1000	X	

Test Gun ID							Test Gun ID						
Round Level	A1	A2	B1	B2	C1	C2	Round Level	A1	A2	B1	B2	C1	C2
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1040	X		X	X	X	X	1540	X		X	X	X	X
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1414					1914				
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1416					1916				
1417					1917				
1418					1918				
1419					1919				
1420	X	X	X X	X X	1920	X	X	X X	X X
1421					1921				
1422					1922				
1423					1923				
1424					1924				
1425					1925				
1426					1926				
1427					1927				
1428					1928				
1429					1929				
1430					1930				
1431					1931				
1432					1932				
1433					1933				
1434					1934				
1435					1935				
1436					1936				

1437					1937				
1438					1938				
1439					1939				
1440	X	X	X X	X X	1940	X	X	X X	X X
1441					1941				
1442					1942				
1443					1943				
1444					1944				
1445					1945				
1446					1946				
1447					1947				
1448					1948				
1449					1949				
1450					1950				
1451					1951				
1452					1952				
1453					1953				
1454					1954				
1455					1955				
1456					1956				
1457					1957				
1458					1958				
1459					1959				
1460	X	X	X X	X X	1960	X	X	X X	X X
1461					1961				
1462					1962				
1463					1963				
1464					1964				
1465					1965				
1466					1966				
1467					1967				
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1470					1970				
1471					1971				
1472					1972				
1473					1973				
1474					1974				
1475					1975				
1476					1976				
1477					1977				
1478					1978				
1479					1979				
1480	X	X	X X	X X	1980	X	X	X X	X X
1481					1981				
1482					1982				
1483					1983				
1484					1984				
1485					1985				

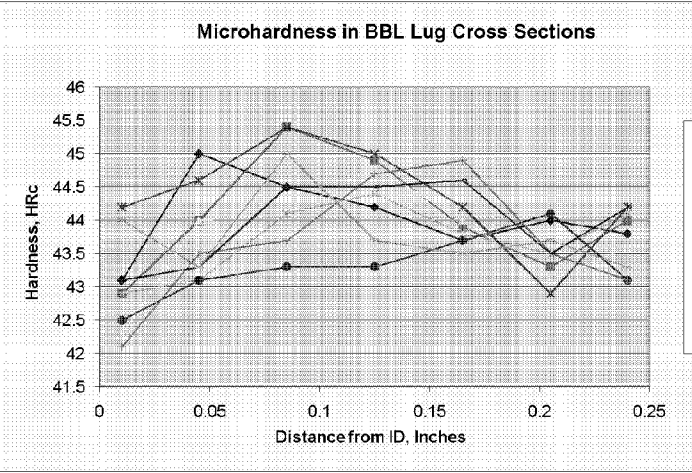
1486						1986					
1487						1987					
1488						1988					
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1492						1992					
1493						1993					
1494						1994					
1495						1995					
1496						1996					
1497						1997					
1498						1998					
1499						1999					
1500	X	X	X	X	X	2000	X	X	X	X	X

Microhardness

A1					
A1 - Lug 1		A1 - Lug 2		A1 - Lug 3	
HRc	HV	HRc	HV	HRc	HV
0.01	43.1 424	42.9 422	42.3 416		
0.045	45 445	44 434	44 434		
0.085	44.5 441	45.4 450	44.1 436		
0.125	44.2 436	44.9 445	44.8 443		
0.165	43.7 431	43.9 433	44 434		
0.205	44 434	43.3 427	43.1 424		
0.24	43.8 431	44 434	43.6 429		

B1					
B1 - Lug 1		B1 - Lug 2		B1 - Lug 3	
HRc	HV	HRc	HV	HRc	HV
0.01	42.9 422	44.2 436	42.5 418		
0.045	43.1 425	44.6 441	43.1 424		
0.085	44.1 436	45.4 450	43.3 426		
0.125	44.4 438	45 445	43.3 427		
0.165	43.8 431	44.2 436	43.7 431		
0.205	43.5 429	42.9 422	44.1 436		
0.24	44.1 436	44.2 436	43.1 424		

C1					
C1 - Lug 1		C1 - Lug 2		C1 - Lug 3	
HRc	HV	HRc	HV	HRc	HV
0.01	42.1 413	43.1 424	44 434		
0.045	43.5 429	43.3 426	43.3 427		
0.085	43.7 431	44.5 440	45 446		
0.125	44.7 443	44.5 441	43.7 431		
0.165	44.9 445	44.6 441	43.5 429		
0.205	43.5 429	43.5 429	43.7 431		
0.24	43.1 424	44.2 436	43.3 427		



◆	A1 - Lug 1
■	A1 - Lug 2
□	A1 - Lug 3
→	B1 - Lug 1
←	B1 - Lug 2
●	B1 - Lug 3
+	C1 - Lug 1
-	C1 - Lug 2
×	C1 - Lug 3

TLW 2305
2 Aug. 2007

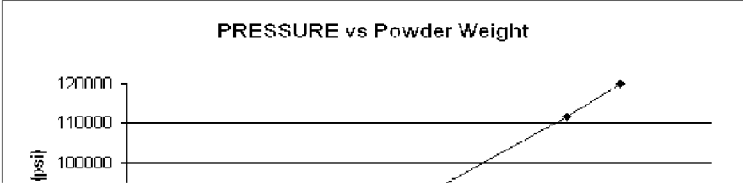
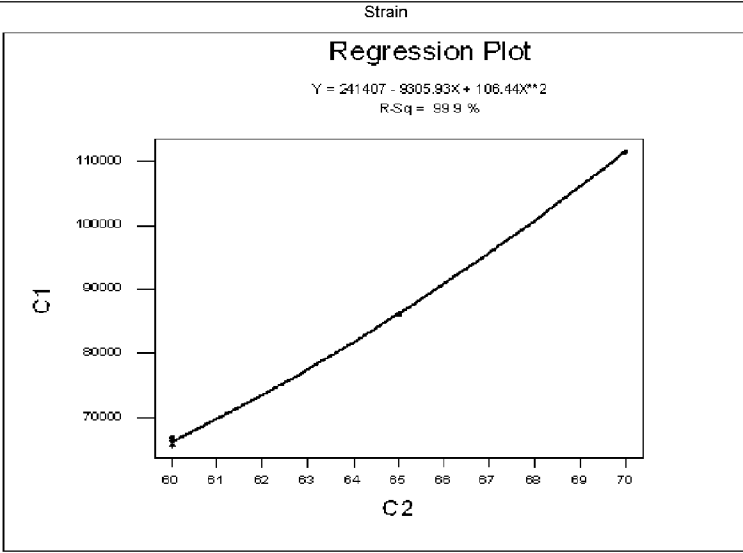
PRESSURE CHECK of HANDLOADED ROUNDS	
(G. Howell - 1 Aug. 2007)	
Pwd Wt(X)	Pressure (Y)
(Grains)	(psi)
80	66821
80	65552
80	66333
85	86060
85	86352
85	86280
70	111548
71.47	120004

MINITAB CURVE FIT OF EXPERIMENTAL DATA
Quadratic fit with formula shown in Regression Plot

Constant =	241407	Predicted
		Pressure
Weight	W^2	
60.0	3600.00	66235
60.1	3612.01	66583
60.2	3624.04	66933
60.3	3636.09	67285
60.4	3648.16	67639
60.5	3660.25	67995
60.6	3672.36	68354
60.7	3684.49	68714
60.8	3696.64	69077
60.9	3708.81	69442
61.0	3721.00	69809
61.1	3733.21	70178
61.2	3745.44	70549
61.3	3757.69	70922
61.4	3769.96	71297
61.5	3782.25	71675
61.6	3794.56	72055
61.7	3806.89	72436
61.8	3819.24	72820
61.9	3831.61	73207
62.0	3844.00	73595
62.1	3856.41	73985
62.2	3868.84	74377
62.3	3881.29	74772
62.4	3893.76	75169
62.5	3906.25	75568
62.6	3918.76	75969
62.7	3931.29	76372
62.8	3943.84	76777
62.9	3956.41	77184

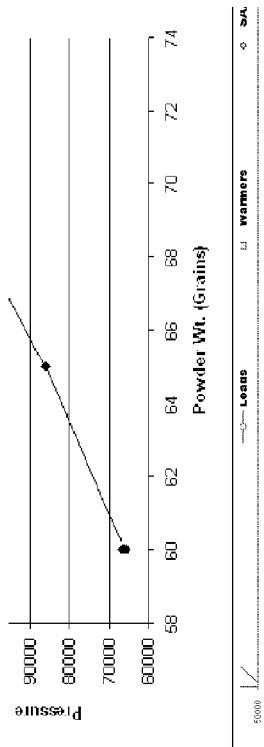
770 Hi-Press Test

Caliber :	300WM	Case :
Date :	1-Aug-07	Primer :
Test Lab Req :	TIW 2305	Bullet / Pellets :
Temp & Hum :	75 / 30	
References :	TIW2184	
Estimate Final Load >	71.9	
Target Pressure >	120000	
Last Load >	71.0	



[illegible]

63.0	3969.00	77594
63.1	3981.81	78005
63.2	3994.24	78419
63.3	4006.89	78835
63.4	4019.56	79253
63.5	4032.25	79673
63.6	4044.96	80095
63.7	4057.69	80520
63.8	4070.44	80946
63.9	4083.21	81375
64.0	4096.00	81806
64.1	4108.81	82239
64.2	4121.64	82674
64.3	4134.49	83111
64.4	4147.36	83550
64.5	4160.25	83992
64.6	4173.16	84435
64.7	4186.09	84881
64.8	4199.04	85329
64.9	4212.01	85778
65.0	4225.00	86231
65.1	4238.01	86685
65.2	4251.04	87141
65.3	4264.09	87600
65.4	4277.16	88060
65.5	4290.25	88523
65.6	4303.36	88988
65.7	4316.49	89455
65.8	4329.64	89924
65.9	4342.81	90395
66.0	4356.00	90868
66.1	4369.21	91344
66.2	4382.44	91821
66.3	4395.69	92301
66.4	4408.96	92783
66.5	4422.25	93267
66.6	4435.56	93753
66.7	4448.89	94241
66.8	4462.24	94732
66.9	4475.61	95224
67.0	4489.00	95719
67.1	4502.41	96216
67.2	4515.84	96715
67.3	4529.29	97216
67.4	4542.76	97719
67.5	4556.25	98224
67.6	4569.76	98731
67.7	4583.29	99241
67.8	4596.84	99753

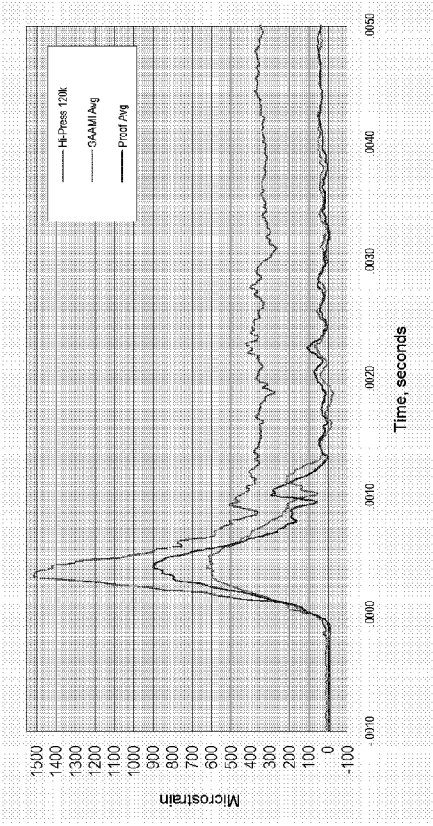


67.9	4610.41	100266
68.0	4624.00	100782
68.1	4637.61	101300
68.2	4651.24	101821
68.3	4664.89	102343
68.4	4678.56	102867
68.5	4692.25	103394
68.6	4705.96	103923
68.7	4719.69	104453
68.8	4733.44	104986
68.9	4747.21	105521
69.0	4761.00	106059
69.1	4774.81	106598
69.2	4788.64	107139
69.3	4802.49	107683
69.4	4816.36	108229
69.5	4830.25	108777
69.6	4844.16	109327
69.7	4858.09	109879
69.8	4872.04	110433
69.9	4886.01	110989
70.0	4900.00	111548
70.1	4914.01	112109
70.2	4928.04	112671
70.3	4942.09	113236
70.4	4956.16	113803
70.5	4970.25	114372
70.6	4984.36	114944
70.7	4998.49	115517
70.8	5012.64	116093
70.9	5026.81	116670
71.0	5041.00	117250
71.1	5055.21	117832
71.2	5069.44	118416
71.3	5083.69	119002
71.4	5097.96	119590
71.41	5099.39	119649
71.42	5100.82	119708
71.43	5102.24	119767
71.44	5103.67	119826
71.45	5105.10	119885
71.46	5106.53	119944
71.47	5107.96	120004
71.48	5109.39	120063
71.49	5110.82	120122
71.50	5112.25	120181

<<<-----USE LOAD OF 71.5 GRAINS IMR 3031 POWDER (Lot # E97AU19L1500)



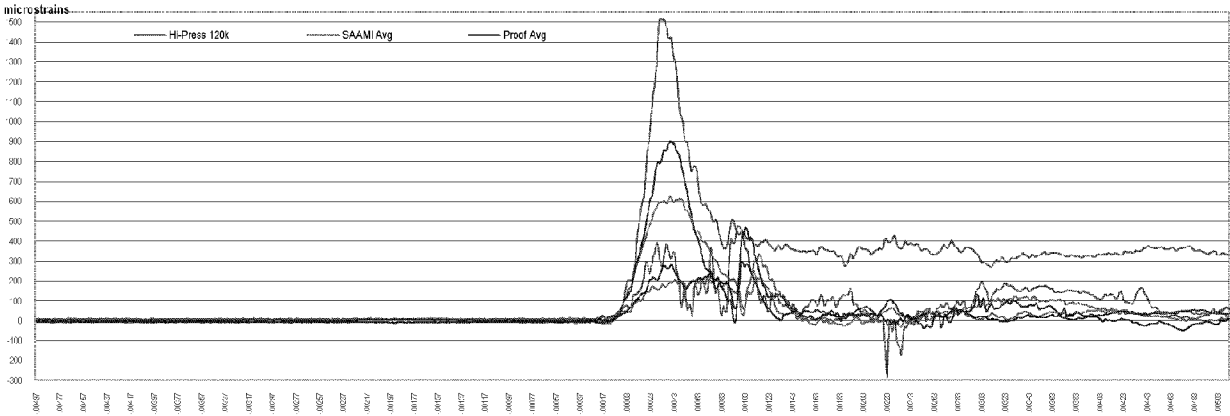




770 Stainless Steel Barrels Strains

Tlr 2305 Date 2-Aug-07	Gage 1 Hoop		Gage 2 Axial		Notes:
	Max	Min	Max	Min	
1	650	-41	347	-38	SAAMI
2	620	-40	328	-96	SAAMI
3	631	-25	338	-72	SAAMI
4	907	-11	452	-53	Proof
5	887	16	455	65	Proof
6	907	-9	524	-136	Proof
7	1515	27	458	-284	Hi-Press 120k / 71.5 grains
Avg	627	-26	337	-31	SAAMI
Avg	900	-5	471	-50	Proof
		Microstaine	Microstaine	Microstaine	Microstaine
		Ohms		Pre	Post
		Hoop		120.1	NA
		Axial		120.3	NA

> Somet System
> Gun: 300WM / A9 - 71378962
> Trig level 100us



Modified Data											
Time Seconds	SAAMI Hoop Shot 1 microstrain	SAAMI Axial Shot 1 microstrain	SAAMI Hoop Shot 2 microstrain	SAAMI Axial Shot 2 microstrain	SAAMI Hoop Shot 3 microstrain	SAAMI Axial Shot 3 microstrain	Proof Hoop Shot 4 microstrain	Proof Axial Shot 4 microstrain	Proof Hoop Shot 5 microstrain	Proof Axial Shot 5 microstrain	
Max	650.01	346.93	620.40	327.58	631.23	337.77	907.47	451.81	886.77	455.06	
Min	-40.52	-37.85	-40.45	-95.61	-25.35	-72.05	-19.45	-52.92	-16.14	-65.18	
-004990	-4.57	3.51	-6.19	4.39	-8.70	6.24	-8.55	3.65	-4.94	-1.37	
-004980	-3.25	5.28	-6.71	4.91	-10.17	6.53	-11.79	2.62	-3.39	-1.07	
-004970	-3.25	3.95	-8.18	6.02	-10.24	5.94	-15.11	.92	-2.07	1.36	
-004960	-4.65	2.03	-8.62	8.23	-9.73	6.61	-15.25	.92	-3.76	2.47	
-004950	-4.06	2.99	-9.73	7.42	-9.58	8.23	-13.12	3.58	-4.20	3.65	
-004940	-2.66	3.21	-8.99	6.46	-9.73	7.05	-12.38	4.84	-3.98	2.77	
-004930	-2.29	1.73	-8.03	5.50	-10.02	4.98	-12.60	2.92	-4.13	.55	
-004920	-4.72	-.04	-6.27	7.27	-10.17	5.94	-11.28	2.47	-6.12	-.78	
-004910	-5.16	.11	-5.90	7.35	-10.02	7.57	-9.43	3.65	-6.19	1.07	
-004900	-5.01	.11	-5.60	6.98	-11.13	5.43	-10.17	3.65	-5.31	2.25	
-004890	-4.72	.70	-7.37	5.57	-10.69	5.43	-11.50	2.69	-2.66	2.32	
-004880	-5.16	1.73	-7.37	5.35	-9.21	7.57	-11.64	2.99	-1.77	2.03	
-004870	-3.84	3.95	-7.37	5.28	-9.36	7.20	-11.57	2.77	-1.92	4.10	
-004860	-3.84	4.54	-6.78	6.46	-11.72	4.02	-12.01	1.73	-3.98	4.32	
-004850	-5.53	3.80	-8.18	7.35	-11.79	5.28	-11.35	2.62	-4.28	3.14	
-004840	-7.45	2.92	-8.99	9.27	-10.69	7.72	-10.83	3.21	-5.01	.55	
-004830	-6.93	2.69	-10.02	8.75	-10.54	7.35	-9.95	1.59	-4.79	-.11	
-004820	-6.34	1.73	-8.62	7.57	-11.79	4.69	-10.24	.70	-4.43	1.44	
-004810	-6.71	1.14	-7.15	5.57	-9.95	5.28	-11.20	2.92	-3.17	4.32	
-004800	-6.63	1.81	-6.05	6.02	-9.80	6.46	-13.41	4.39	-5.01	3.80	
-004790	-4.28	3.51	-6.34	6.76	-11.64	6.68	-12.68	4.47	-4.94	2.69	
-004780	-3.47	3.21	-5.46	8.16	-13.41	5.28	-11.87	2.40	-4.28	.92	
-004770	-4.57	2.47	-5.82	7.20	-12.38	5.13	-11.94	1.36	-1.70	1.44	
-004760	-6.41	3.36	-7.00	5.57	-10.69	5.43	-13.04	2.40	-1.92	1.44	
-004750	-6.63	4.69	-8.40	4.69	-9.80	4.91	-11.72	4.54	-2.58	1.88	
-004740	-6.71	2.77	-8.18	5.57	-12.09	3.51	-9.88	3.06	-4.13	1.36	
-004730	-5.16	1.00	-8.26	5.94	-14.00	2.69	-10.32	-.63	-5.09	2.62	
-004720	-3.39	2.55	-8.03	6.02	-13.34	3.43	-9.65	-.41	-5.82	2.55	
-004710	-3.98	5.06	-7.96	6.39	-11.50	4.02	-8.99	2.77	-4.65	2.84	
-004700	-7.37	3.58	-8.18	7.57	-10.91	3.21	-11.42	4.02	-2.95	2.77	
-004690	-7.37	2.55	-9.88	6.98	-11.42	2.84	-14.59	2.55	-1.99	3.95	
-004680	-5.46	2.40	-8.84	7.96	-10.91	3.95	-13.71	2.84	-4.06	3.14	
-004670	-4.35	3.58	-7.59	7.20	-9.21	3.95	-11.42	3.65	-5.46	.55	
-004660	-6.41	2.40	-6.19	7.64	-9.73	1.29	-11.50	2.77	-4.65	-1.22	
-004650	-6.19	2.47	-6.56	7.64	-10.02	1.59	-11.20	2.10	-2.22	.85	
-004640	-5.90	2.92	-5.46	8.09	-8.99	4.54	-9.73	2.77	-3.10	1.29	
-004630	-5.31	3.95	-6.56	7.42	-7.89	7.35	-8.99	3.95	-3.47	.55	
-004620	-3.76	3.73	-8.33	7.64	-10.83	5.50	-11.35	3.06	-3.25	-.48	
-004610	-1.92	3.58	-9.14	7.79	-12.53	5.87	-13.26	2.40	-1.85	.77	
-004600	-1.92	3.14	-7.30	8.31	-12.01	6.76	-12.90	1.88	-3.54	1.73	
-004590	-4.20	1.86	-6.93	7.86	-9.36	5.87	-11.79	3.80	-4.43	2.77	
-004580	-6.78	1.14	-7.67	8.82	-8.70	3.65	-12.38	5.13	-5.16	1.59	
-004570	-6.86	1.73	-9.36	8.68	-8.77	5.13	-12.53	5.21	-3.39	1.22	

RAW Data

Proof Hoop Shot 6 microstrain	Proof Axial Shot 6 microstrain	Time Seconds	Hi-Press Hoop Shot 7 microstrain	Hi-Press Axial Shot 7 microstrain	SAAMI Hoop Avg stain	SAAMI Axial Avg stain	Proof Hoop Avg stain	Proof Axial Avg stain	Time Seconds	Gages@H1_4538.RN_1_Burst_1 H1_4538 microstrain	
907.25	523.67	Max	1515.07	458.43	626.76	337.43	900.50	470.76		0	-4.57237959
-8.99	-135.93	Min	5.16	-284.11	-25.84	-30.98	-10.32	-50.09		0.00001	-3.24641085
-4.28	1.96	-004990	6.34	4.96	-6.49	4.71	-5.92	1.41		0.00002	-3.24641085
-2.07	3.21	-004980	7.37	6.44	-6.71	5.57	-5.75	1.59		0.00003	-4.64604473
-2.80	1.66	-004970	9.58	6.29	-7.22	5.30	-6.66	1.32		0.00004	-4.05672503
-4.13	-.33	-004960	10.68	4.15	-7.67	5.62	-7.72	1.02		0.00005	-2.65709138
-3.32	-.78	-004950	9.87	3.19	-7.79	6.21	-6.88	2.15		0.00006	-2.28876662
-1.40	1.88	-004940	8.84	4.37	-7.13	5.57	-5.92	3.16		0.00007	-4.71970987
-2.14	2.77	-004930	8.25	4.37	-6.78	4.07	-6.29	2.08		0.00008	-5.1616993
-3.03	1.88	-004920	10.24	4.22	-7.05	4.39	-6.81	1.19		0.00009	-5.01436949
-3.61	-.04	-004910	9.43	3.19	-7.03	5.01	-6.41	1.56		0.0001	-4.71970987
-2.80	-.33	-004900	9.06	4.89	-7.25	4.17	-6.09	2.08		0.00011	-5.1616993
-2.36	1.81	-004890	7.66	5.26	-7.59	3.90	-5.51	2.28		0.00012	-3.83573031
-3.25	2.10	-004880	8.91	5.70	-7.25	4.89	-5.55	2.37		0.00013	-3.83573031
-5.60	.55	-004870	9.65	5.18	-6.86	5.48	-6.36	2.47		0.00014	-5.53002405
-5.46	.70	-004860	8.55	5.40	-7.45	5.01	-7.15	2.25		0.00015	-7.4453125
-4.57	.55	-004850	7.07	7.25	-8.50	5.48	-6.73	2.10		0.00016	-6.92965794
-3.76	-.48	-004840	8.10	7.62	-9.04	6.63	-6.54	1.09		0.00017	-6.34033823
-4.06	-.63	-004830	9.87	4.66	-9.16	6.26	-6.27	.28		0.00018	-6.70866299
-3.39	2.62	-004820	11.79	2.82	-8.92	4.66	-6.02	1.59		0.00019	-6.63499832
-2.80	3.06	-004810	9.28	2.67	-7.94	4.00	-5.73	3.43		0.0002	-4.27771997
-2.44	.26	-004800	7.74	5.26	-7.49	4.76	-6.95	2.82		0.00021	-3.4674058
-3.32	-1.96	-004790	7.81	6.07	-7.42	5.65	-6.98	1.73		0.00022	-4.57237959
-2.88	-.41	-004780	9.50	6.14	-7.45	5.55	-6.34	.97		0.00023	-6.41400337
-2.51	.85	-004770	9.58	5.11	-7.59	4.93	-5.38	1.22		0.00024	-6.63499832
-1.55	2.25	-004760	8.64	4.22	-8.03	4.79	-5.51	2.03		0.00025	-6.70866299
-2.66	1.07	-004750	8.55	6.14	-8.28	4.76	-5.65	2.50		0.00026	-5.1616993
-3.10	-.19	-004740	7.22	7.77	-8.99	3.95	-5.70	1.41		0.00027	-3.39374065
-2.44	-.70	-004730	6.85	7.47	-9.14	3.21	-5.95	.43		0.00028	-3.98306036
-.89	1.29	-004720	10.31	5.33	-8.26	4.00	-5.55	1.14		0.00029	-7.37164736
-2.07	2.18	-004710	12.82	3.63	-7.81	5.16	-5.24	2.80		0.0003	-7.37164736
-3.17	1.96	-004700	12.89	4.96	-8.82	4.79	-5.85	2.92		0.00031	-5.45635891
-4.13	-.04	-004690	10.46	5.55	-9.56	4.12	-6.91	2.15		0.00032	-4.35138512
-4.28	-.04	-004680	10.68	6.95	-8.40	4.74	-7.35	1.98		0.00033	-6.41400337
-5.31	-.19	-004670	9.95	5.70	-7.05	4.91	-7.40	1.34		0.00034	-6.19300842
-3.84	-.63	-004660	10.02	4.37	-7.45	3.78	-6.66	.31		0.00035	-5.89834881
-1.63	-1.52	-004650	10.17	4.30	-7.59	3.90	-5.01	.48		0.00036	-5.3090291
-1.18	.40	-004640	10.31	6.44	-6.78	5.18	-4.67	1.49		0.00037	-3.76206541
-2.22	2.69	-004630	9.28	7.32	-6.59	6.24	-4.89	2.40		0.00038	-1.92044199
-1.77	2.99	-004620	9.80	7.40	-7.64	5.62	-5.46	1.86		0.00039	-1.92044199
-2.36	1.07	-004610	9.43	5.77	-7.86	5.75	-5.82	1.41		0.0004	-4.20405531
-3.17	.63	-004600	9.87	5.11	-7.08	6.07	-6.54	1.41		0.00041	-6.78232813
-5.31	.18	-004590	8.99	3.85	-6.83	5.21	-7.18	2.25		0.00042	-6.85599279
-4.87	1.00	-004580	9.80	4.00	-7.72	4.54	-7.47	2.57		0.00043	-5.60368819
-2.80	1.66	-004570	9.13	4.07	-8.33	5.18	-6.24	2.89		0.00044	-5.590368819

Gages@H1_4538.RN_1_Burst_2 H1_4538 microstrain	Gages@H1_4538.RN_1_Burst_3 H1_4538 microstrain	Gages@H1_4538.RN_1_Burst_4 H1_4538 microstrain	Gages@H1_4538.RN_1_Burst_5 H1_4538 microstrain	Gages@H1_4538.RN_1_Burst_6 H1_4538 microstrain
-6.19300842	-8.69761658	-8.55028629	-4.94070435	-4.27771997
-6.70966299	-10.1709156	-11.79154396	-3.39374065	-2.06777191
-8.18196201	-10.24458027	-15.10646629	-2.06777191	-2.80442119
-8.62395191	-9.7289257	-15.25379658	-3.76206541	-4.13039017
-9.7289257	-9.58159542	-13.1175127	-4.20405531	-3.32007575
-8.99227619	-9.7289257	-12.38096319	-3.98306036	-1.4047873
-8.03463173	-10.02358532	-12.60185814	-4.13039017	-2.14143682
-6.26667356	-10.1709156	-11.2758894	-6.11934376	-3.02541614
-5.89834881	-10.02358532	-9.43426609	-6.19300842	-3.8147356
-5.60368919	-11.12855911	-10.1709156	-5.3090291	-2.80442119
-7.37164736	-10.68657017	-11.49688435	-2.65709138	-2.36243153
-7.37164736	-9.21327114	-11.64421368	-1.77311206	-3.24641085
-7.37164736	-9.38060143	-11.57054901	-1.92044199	-5.80368919
-6.78232813	-11.7178793	-12.01253891	-3.98306036	-5.45635891
-8.18196201	-11.79154396	-11.34955406	-4.27771997	-4.57237959
-8.99227619	-10.68657017	-10.8338995	-5.01436949	-3.76206541
-10.02358532	-10.53923988	-9.94992065	-4.79337454	-4.05672503
-8.62395191	-11.79154396	-10.24458027	-4.42504978	-3.39374065
-7.15065289	-9.94992065	-11.20222473	-3.17274594	-2.80442119
-6.04567862	-9.80259037	-13.41217232	-5.01436949	-2.43609643
-6.34033823	-11.64421368	-12.67552376	-4.94070435	-3.32007575
-5.45635891	-13.41217232	-11.86520863	-4.27771997	-2.87808609
-5.82468367	-12.38086319	-11.93887424	-1.69944715	-2.50976157
-7.00332308	-10.68657017	-13.04384804	-1.92044199	-1.55211723
-8.40295696	-9.80259037	-11.7178793	-2.58342648	-2.65709138
-8.18196201	-12.08620358	-9.87625599	-4.13039017	-3.09908104
-8.25562668	-14.0014925	-10.31824493	-5.08803463	-2.43609643
-8.03463173	-13.33850765	-9.94992065	-5.82468367	-0.88913274
-7.96096706	-11.49688435	-8.99227619	-4.64604473	-2.06777191
-8.18196201	-10.90756512	-11.42321968	-2.95175099	-3.17274594
-9.87825599	-11.42321968	-14.59081173	-1.99410689	-4.13039017
-8.84494591	-10.90756512	-13.70683289	-4.05672503	-4.27771997
-7.59264231	-9.21327114	-11.42321968	-5.45635891	-5.3090291
-6.19300842	-9.7289257	-11.49688435	-4.64604473	-3.83573031
-6.56133316	-10.02358532	-11.20222473	-2.21510172	-1.62578213
-5.45635891	-8.99227619	-9.7289257	-3.09908104	-1.18379247
-6.56133316	-7.88730192	-8.99227619	-3.4674058	-2.21510172
-8.32929134	-10.8338995	-11.34955406	-3.24641085	-1.77311206
-9.13960648	-12.52819347	-13.26484299	-1.84677696	-2.36243153
-7.29798269	-12.01253891	-12.89651775	-3.5410707	-3.17274594
-6.92965794	-9.38060143	-11.79154396	-4.42504978	-5.3090291
-7.66330745	-8.69761658	-12.38096319	-5.1616993	-4.86703968
-9.36060143	-8.77128124	-12.52819347	-3.39374065	-2.80442119
-9.43426609	-9.58159542	-12.74918842	-2.87808609	-2.36243153
-8.99227619	-10.02358532	-11.12855911	-3.32007575	-6.04567862

Gages@A1_4691.RN_1_Burst_1 A1_4691 microstrain	Gages@A1_4691.RN_1_Burst_2 A1_4691 microstrain	Gages@A1_4691.RN_1_Burst_3 A1_4691 microstrain	Gages@A1_4691.RN_1_Burst_4 A1_4691 microstrain	Gages@A1_4691.RN_1_Burst_5 A1_4691 microstrain
3.50656581	4.39282417	6.23919535	3.65427542	-1.36785424
5.2790823	4.90980816	6.53461456	2.62030768	-1.07243478
3.94969487	6.01763058	5.94377565	0.92164612	1.36477518
2.02946877	8.23327637	6.60846949	0.92164612	2.47259784
2.88958182	7.42087269	8.23327637	3.58042073	3.65427542
3.21114635	6.46075964	7.05159855	4.83595324	2.76801729
1.73404944	5.50064659	4.98396261	2.9157269	0.55237186
-0.03846694	7.27316332	5.94377565	2.47259784	-0.77701545
0.10924275	7.34701777	7.56858253	3.65427542	1.06935585
0.10924275	6.97774363	5.42679167	3.65427542	2.25103331
0.70008153	5.57450151	5.42679167	2.69416237	2.32488823
1.73404944	5.35293722	7.56858253	2.98958182	2.02946877
3.94969487	5.2790823	7.1993084	2.76801729	4.09740448
4.54053354	6.46075964	4.02354956	1.73404944	4.31896925
3.80198526	7.34701777	5.2790823	2.62030768	3.13729167
2.9157269	9.26724434	7.71629238	3.21114635	0.55237186
2.69416237	8.75026035	7.34701777	1.58633971	-0.11232179
1.73404944	7.56858253	4.68824339	0.70008153	1.43862998
1.14321065	5.57450151	5.2790823	2.9157269	4.31896925
1.80790424	6.01763058	6.46075964	4.39282417	3.80198526
3.50656581	6.75617933	6.68232441	4.46667862	2.69416237
3.21114635	8.15942097	5.2790823	2.39874315	0.92164612
2.47259784	7.1993084	5.13137245	1.36477518	1.43862998
3.3588562	5.57450151	5.42679167	2.39874315	1.43862998
4.68824339	4.68824339	4.90980816	4.54053354	1.88175917
2.76801729	5.57450151	3.50656581	3.06343675	1.36477518
0.99550092	5.94377565	2.69416237	-0.62930572	2.62030768
2.54845276	6.01763058	3.43271089	-0.40774119	2.54645276
5.05751753	6.38690472	4.02354956	2.76801729	2.84187222
3.58042073	7.56858253	3.21114635	4.02354956	2.76801729
2.54845276	6.97774363	2.84187222	2.54645276	3.94969487
2.39874315	7.86400175	3.94969487	2.84187222	3.13729167
3.58042073	7.1993084	3.94969487	3.65427542	0.55237186
2.39874315	7.64243746	1.29092038	2.76801729	-1.22014451
2.47259784	7.64243746	1.58633971	2.1033237	0.84779125
2.9157269	8.08556652	4.54053354	2.76801729	1.29092038
3.94969487	7.42087269	7.34701777	3.94969487	0.55237186
3.72813034	7.64243746	5.50064659	3.06343675	-0.48159602
3.58042073	7.79014683	5.86992073	2.39874315	0.77393639
3.13729167	8.30713081	6.75617933	1.88175917	1.73404944
1.88175917	7.86400175	5.86992073	3.80198526	2.76801729
1.14321065	8.8241148	3.65427542	5.13137245	1.58633971
1.73404944	8.67640495	5.13137245	5.20522738	1.21706545
3.13729167	7.79014683	7.1993084	3.13729167	0.77393639
4.54053354	5.94377565	6.97774363	3.65427542	1.43862998

Gages@A1_4691.RN_1_Burst_6 A1_4691 microstrain	Gages@H1_4538.RN_2_Burst_1 H1_4538 microstrain	Gages@A1_4691.RN_2_Burst_1 A1_4691 microstrain	SAAMI Hoop Avg Computed stain	Proof Hoop Avg Computed stain	SAAMI Axial Avg Computed stain	SAAMI Axial Avg Computed stain
1.95561397	6.3355279	4.96018124	-6.48766804	-5.92290354	4.71286201	1.41401172
3.21114635	7.36683702	6.43727827	-6.70866299	-5.751019	5.57450151	1.58633971
1.66019464	9.57678509	6.28956842	-7.22431755	-6.65955305	5.30370045	1.31553864
-0.33388633	10.68175983	4.14777803	-7.66630745	-7.71541739	5.62373829	1.02011919
-0.77701545	9.87144566	3.18766499	-7.78908205	-6.880548	6.21457672	2.15256023
1.88175917	8.84013653	4.3693428	-7.12609768	-5.92290354	5.57450151	3.16190982
2.76801729	8.25081635	4.3693428	-6.78232765	-6.29122829	4.07278633	2.07870531
1.88175917	10.23976994	4.22163296	-7.05243301	-6.80688266	4.39282417	1.19244719
-0.03846694	9.42945576	3.18766499	-7.02787781	-6.41400337	5.00828123	1.56172144
0.3308073	9.06113052	4.88632631	-7.24887276	-6.09478855	4.1712594	2.07870531
1.80790424	7.66149712	5.25560093	-7.59264231	-5.50546932	3.90045834	2.27565169
2.1033237	8.91380119	5.69872999	-7.24887276	-5.55457878	4.88518953	2.37412477
0.55237186	9.65045071	5.18174601	-6.85599327	-6.36489344	5.47602844	2.47259784
0.70008153	8.54547596	5.4033103	-7.4453125	-7.15065289	5.00828075	2.25103331
0.55237186	7.07217741	7.24968147	-8.50117683	-6.73321772	5.47602844	2.1033237
-0.48159602	8.10348701	7.61895609	-9.0413866	-6.53677797	6.63308811	1.09397411
-0.62930572	9.87144566	4.66476202	-9.16416073	-6.26667356	6.2638135	0.28157073
2.62030768	11.78673363	2.81839085	-8.91861153	-6.02112341	4.66362524	1.58633971
3.06343675	9.28212547	2.670681	-7.93641233	-5.72646379	3.99893141	3.43271089
0.25995246	7.73516178	5.25560093	-7.49442244	-6.95421267	4.76209831	2.81725407
-1.95969303	7.80882692	6.06800413	-7.42075729	-6.97876767	5.64635644	1.73404932
-0.40774119	9.50312042	6.14185905	-7.4453125	-6.34033823	5.54988337	0.97088271
0.84779125	9.57678509	5.10789108	-7.59264231	-5.38269424	4.93442631	1.21706545
2.25103331	8.84013653	4.22163296	-8.03463173	-5.50546932	4.78671646	2.02946877
1.06935585	8.54547596	6.14185905	-8.28018188	-5.65279913	4.76209831	2.49721622
-0.18517664	7.21950722	7.76666546	-8.99227619	-5.70190907	3.94969487	1.41401172
-0.70316058	6.85118246	7.47124624	-9.13960648	-5.94745874	3.21114635	0.42928046
1.29092038	10.3134346	5.32945538	-8.25562668	-5.55457878	3.99893141	1.14321065
2.17717862	12.81804276	3.63079405	-7.81363726	-5.23536444	5.1559906	2.5956893
1.95561397	12.89170742	4.96018124	-8.82039165	-5.84923887	4.78671646	2.9157269
-0.03846694	10.48076488	5.55102015	-9.55704117	-6.90510273	4.12202263	2.15256023
-0.03846694	10.68175983	6.95426226	-8.40295696	-7.34709263	4.73748016	1.98023236
-0.18517664	9.94511032	5.69872999	-7.05243301	-7.39620256	4.90980816	1.34015691
-0.62930572	10.01877499	4.3693428	-7.4453125	-6.65955305	3.77736712	0.30618903
-1.51556396	10.16610527	4.29548788	-7.59264231	-5.01436949	3.90045834	0.478517
0.40466216	10.3134346	6.43727827	-6.78232813	-4.67059994	5.18060875	1.48786664
2.69416237	9.28212547	7.3235364	-6.58588791	-4.89159441	6.23919487	2.39874315
2.98958182	9.79778004	7.39739132	-7.64175224	-5.45635891	5.62373829	1.8571409
1.06935585	9.42945576	5.77258492	-7.86274719	-5.82468367	5.74682951	1.41401184
0.62622672	9.87144566	5.10789108	-7.07698774	-6.53677797	6.06686735	1.41401172
0.1830976	8.98746586	3.85235858	-6.83143806	-7.17520761	5.20522738	2.25103331
0.99550092	9.79778004	4.0006819	-7.71541739	-7.46986723	4.54053354	2.57107115
1.66019464	9.13479614	4.07392311	-8.3292923	-6.24211836	5.18060875	2.69416237
1.21706545	9.28212547	5.25560093	-8.20651722	-5.99656868	6.04224873	1.70943117
-1.8109833	9.87144566	5.84643936	-8.20651722	-6.83143806	5.82068443	1.09397399



-004560	-5.60	3.14	-9.43	7.79	-9.58	7.20	-12.75	3.14	-2.88	.77
-004550	-5.60	4.54	-8.99	5.94	-10.02	6.98	-11.13	3.65	-3.32	1.44
-004540	-6.93	3.95	-5.82	6.46	-12.31	4.02	-10.61	3.80	-5.01	.55
-004530	-6.34	2.62	-5.16	7.35	-13.19	3.43	-12.01	2.03	-2.80	- .33
-004520	-3.98	1.73	-6.63	9.12	-11.05	5.43	-13.26	.40	-2.07	- .78
-004510	-3.10	1.88	-9.43	8.97	-8.99	6.76	-11.79	1.66	-3.10	.85
-004500	-6.19	1.66	-10.32	8.53	-9.43	5.13	-10.32	3.88	-4.13	2.62
-004490	-8.26	1.44	-10.47	7.13	-10.98	2.99	-11.57	3.21	-2.14	3.88
-004480	-5.90	2.92	-7.45	6.76	-11.50	3.80	-11.79	1.00	-2.66	2.92
-004470	-3.25	6.39	-5.38	6.46	-11.35	6.46	-10.83	1.44	-5.75	.92
-004460	-4.20	5.43	-5.60	7.13	-11.20	6.90	-10.76	3.36	-7.00	.04
-004450	-4.43	2.47	-8.84	7.49	-11.05	5.72	-11.57	4.84	-5.16	1.73
-004440	-4.35	.48	-8.70	8.90	-10.91	5.43	-12.23	4.17	-5.01	2.32
-004430	-4.87	2.69	-7.67	8.53	-8.99	6.83	-12.68	2.55	-3.61	2.03
-004420	-7.81	3.29	-6.19	7.64	-7.81	7.27	-12.09	.70	-2.66	1.44
-004410	-7.67	2.92	-7.08	6.09	-7.52	7.49	-9.73	.77	-1.77	2.32
-004400	-5.60	2.40	-7.08	6.17	-9.80	6.68	-9.43	1.29	-3.98	2.32
-004390	-3.47	3.73	-7.52	6.98	-10.61	7.27	-10.83	2.32	-4.43	3.29
-004380	-3.32	4.17	-6.12	8.60	-10.54	6.98	-11.50	3.06	-5.31	1.29
-004370	-4.13	3.36	-5.90	7.94	-9.73	6.90	-10.91	3.43	-4.87	.11
-004360	-4.06	2.84	-5.16	8.16	-9.51	6.31	-11.57	2.10	-5.46	-1.37
-004350	-3.39	3.58	-5.82	7.49	-8.55	6.76	-10.76	3.14	-3.76	- .56
-004340	-5.01	2.92	-7.00	6.46	-9.43	6.09	-9.88	3.73	-3.98	- .33
-004330	-5.60	2.47	-8.40	4.54	-9.51	6.46	-10.54	2.92	-3.25	1.07
-004320	-5.09	2.55	-8.48	4.69	-10.24	6.90	-11.57	1.44	-3.10	1.59
-004310	-4.43	2.62	-8.26	5.21	-10.02	7.72	-10.91	2.47	-3.47	1.22
-004300	-4.79	1.59	-7.00	5.80	-11.05	6.46	-10.17	2.99	-5.90	- .56
-004290	-5.01	1.44	-8.11	5.28	-11.28	6.61	-10.17	2.32	-5.16	- .11
-004280	-4.20	3.29	-8.92	6.31	-10.91	7.27	-10.61	1.44	-4.06	- .63
-004270	-3.69	4.25	-8.26	6.02	-10.83	6.90	-9.73	1.14	-4.20	- .70
-004260	-3.98	3.06	-5.31	5.35	-12.38	5.21	-9.36	.63	-5.31	.26
-004250	-3.54	2.47	-5.01	5.13	-12.97	4.39	-10.91	.63	-4.43	1.96
-004240	-3.25	3.06	-6.86	6.98	-11.57	2.99	-12.53	1.73	-3.25	1.51
-004230	-4.28	3.65	-9.14	7.94	-9.88	2.77	-13.41	1.88	-2.36	1.88
-004220	-7.00	2.32	-9.43	8.23	-10.32	4.47	-12.97	2.03	-2.88	3.21
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-004200	-4.87	4.02	-8.84	8.53	-10.17	6.02	-12.38	3.58	-3.25	3.36
-004190	-3.10	3.65	-9.43	7.49	-10.17	4.10	-12.38	2.69	-1.55	3.65
-004180	-5.24	1.29	-9.43	6.68	-10.91	3.21	-12.45	1.29	-2.36	2.18
-004170	-6.34	1.22	-11.05	6.17	-9.58	4.84	-11.13	1.66	-3.69	1.81
-004160	-5.31	2.03	-9.66	7.64	-10.10	5.28	-11.57	.85	-4.13	2.25
-004150	-3.25	2.62	-7.52	8.68	-11.13	5.28	-11.35	.70	-2.73	3.88
-004140	-3.39	2.47	-5.46	8.75	-12.09	6.02	-11.20	.92	-4.94	2.03
-004130	-5.09	2.92	-6.63	6.46	-12.75	6.90	-10.32	2.69	-6.19	1.29
-004120	-5.60	3.29	-7.52	6.17	-12.53	5.65	-10.47	2.99	-5.68	.55
-004110	-4.20	3.14	-7.37	7.35	-9.58	5.43	-11.35	3.51	-3.98	1.00
-004100	-4.72	3.36	-7.30	7.27	-8.55	4.98	-12.23	3.43	-4.65	- .11
-004090	-6.41	4.25	-9.21	5.35	-10.39	4.98	-11.79	3.95	-5.01	.55
-004080	-6.12	3.29	-10.17	6.02	-12.90	4.84	-12.09	3.58	-5.46	- .26
-004070	-4.72	1.51	-8.84	8.09	-12.01	6.39	-11.50	4.69	-3.84	- .85
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-6.05	-1.81	-004550	9.87	5.85	-8.21	5.82	-6.83	1.09	0.00046	-6.34033823
-7.30	-2.18	-004540	11.57	6.22	-8.35	4.81	-7.54	.72	0.00047	-3.98306036
-5.31	.11	-004530	11.34	6.07	-8.23	4.47	-6.71	.60	0.00048	-3.09908104
-3.54	1.44	-004520	10.17	5.48	-7.22	5.43	-6.29	.36	0.00049	-6.19300842
-4.13	-.92	-004510	10.09	5.18	-7.18	5.87	-6.34	.53	0.0005	-8.25562668
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-2.88	.04	-004490	9.28	3.93	-9.90	3.85	-5.53	2.37	0.00052	-3.24641085
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-5.01	.33	-004470	7.96	4.89	-6.66	6.44	-7.20	.90	0.00054	-4.42504978
-4.35	.70	-004460	7.51	6.14	-7.00	6.49	-7.37	1.36	0.00055	-4.35138512
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-1.63	2.40	-004440	10.98	4.66	-7.99	4.93	-6.29	2.96	0.00057	-7.81363726
-2.95	1.73	-004430	11.93	3.19	-7.18	6.02	-6.41	2.10	0.00058	-7.66630745
-5.60	2.40	-004420	11.57	3.85	-7.27	6.07	-6.78	1.51	0.00059	-5.60368919
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-4.65	.92	-004400	10.17	5.11	-7.49	5.08	-6.02	1.51	0.00061	-3.32007575
-3.69	-1.22	-004390	10.31	4.44	-7.20	5.99	-6.32	1.46	0.00062	-4.13039017
-4.65	-.63	-004380	11.49	6.29	-6.66	6.58	-7.15	1.24	0.00063	-4.05672503
-4.72	2.18	-004370	10.09	6.29	-6.59	6.07	-6.83	1.91	0.00064	-3.39374065
-3.84	2.62	-004360	8.77	5.55	-6.24	5.77	-6.95	1.12	0.00065	-5.01436949
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-5.38	1.00	-004300	10.90	5.92	-7.62	4.61	-7.15	1.14	0.00071	-4.20405531
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-1.55	1.81	-004280	8.03	4.44	-8.01	5.62	-5.41	.87	0.00073	-3.98306036
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-4.13	.18	-004260	9.58	4.74	-7.22	4.54	-6.27	.36	0.00075	-3.24641085
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-2.22	-.11	-004200	11.05	6.07	-7.96	6.19	-5.95	2.28	0.00081	-5.23536444
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-1.70	.48	-004180	10.76	6.36	-8.53	3.73	-5.51	1.32	0.00083	-5.3090291
-.74	.55	-004170	9.65	5.62	-8.99	4.07	-5.19	1.34	0.00084	-3.24641085
-.23	.85	-004160	9.72	4.89	-8.35	4.98	-5.31	1.32	0.00085	-3.39374065
-1.99	-.33	-004150	9.58	3.34	-7.30	5.53	-5.36	1.41	0.00086	-5.08803463
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-2.29	-.41	-004080	7.88	4.52	-9.73	4.71	-6.51	.97	0.00093	-5.08803463
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-1.22014451	10.3134346	4.44319725	-7.19976282	-6.3157835	5.96301243	1.46324837
-0.62930572	11.49207401	6.28956842	-6.65955305	-7.15065289	6.58385134	1.24168384
2.17717862	10.09243965	6.28956842	-6.58588839	-6.83143806	6.06686735	1.90637743
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-0.48159602	9.94511032	4.07392311	-7.93641233	-5.751019	4.71286154	0.84779119
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0.1830976	9.57678509	4.73861694	-7.22431755	-6.26667356	4.54053402	0.3554256
0.40466216	10.23976994	6.28956842	-7.17520809	-6.58588839	3.96893141	0.99550092
2.17717862	9.42945576	7.3235364	-7.22431755	-5.84923887	4.3435874	1.80790436
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-0.77701545	12.15505886	5.69872999	-8.96772194	-5.99656868	5.96301243	2.20179677
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-1.51556396	7.36683702	5.69872999	-7.51897764	-6.58588791	5.42679167	0.6016084
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-004050	-5.46	1.96	-11.35	6.39	-8.77	5.57	-13.26	2.92	-3.54	2.10
-004040	-4.65	4.47	-11.50	7.20	-9.51	4.10	-13.71	2.92	-4.57	1.73
-004030	-3.69	5.65	-9.88	9.19	-10.24	4.54	-13.78	2.55	-2.36	1.88
-004020	-4.72	2.25	-8.70	10.89	-11.13	6.53	-12.82	1.81	-2.22	1.22
-004010	-5.75	.55	-8.99	10.23	-11.28	7.72	-10.47	2.84	-4.50	1.73
-004000	-5.53	1.66	-8.40	9.93	-11.35	7.54	-9.29	3.80	-6.12	1.73
-003990	-3.76	3.88	-8.55	8.31	-11.64	6.53	-10.39	2.25	-3.84	2.55
-003980	-4.79	2.99	-9.36	7.27	-12.53	4.54	-10.98	1.44	-2.66	.70
-003970	-6.78	.85	-9.58	7.79	-12.23	4.91	-10.17	3.06	-3.76	.18
-003960	-7.00	-.19	-8.26	8.82	-11.94	5.94	-11.35	2.99	-6.78	1.59
-003950	-3.47	2.18	-7.37	7.64	-10.91	5.37	-12.97	1.14	-5.75	4.17
-003940	-2.36	4.25	-6.78	6.39	-9.58	4.84	-14.37	.70	-2.80	3.51
-003930	-3.98	4.25	-7.30	6.31	-7.52	6.02	-13.71	3.21	-.74	2.47
-003920	-5.24	3.51	-7.81	6.83	-9.14	6.17	-11.79	4.32	-3.25	1.73
-003910	-4.43	4.32	-7.52	6.98	-11.20	5.06	-10.47	3.95	-4.79	2.25
-003900	-5.24	4.54	-6.19	7.13	-11.13	4.54	-11.42	2.40	-4.43	1.96
-003890	-8.03	2.84	-6.71	6.46	-8.77	5.72	-12.53	1.29	-2.73	1.88
-003880	-10.02	2.03	-8.26	5.50	-9.43	6.61	-12.09	1.29	-2.07	2.55
-003870	-7.67	3.51	-8.62	4.61	-11.87	6.76	-11.05	4.10	-3.10	4.10
-003860	-4.50	3.36	-6.78	5.13	-12.31	6.17	-11.42	5.13	-5.16	4.32
-003850	-3.17	1.44	-7.89	5.06	-9.80	4.69	-10.47	4.61	-5.75	2.18
-003840	-2.95	-.19	-9.29	5.72	-9.07	3.14	-9.73	2.92	-5.31	-.85
-003830	-2.07	1.29	-8.26	8.09	-10.02	3.65	-10.39	1.96	-2.80	-.78
-003820	-2.58	3.06	-5.75	9.56	-10.91	4.10	-12.60	1.59	-2.51	.11
-003810	-4.43	4.54	-7.81	6.39	-11.20	3.95	-12.75	2.40	-4.06	1.00
-003800	-6.93	5.28	-10.54	3.06	-11.35	4.98	-11.28	1.96	-7.08	.40
-003790	-5.75	6.39	-10.91	3.73	-10.98	6.90	-10.54	.85	-6.93	.70
-003780	-4.13	5.43	-9.21	6.98	-10.32	7.27	-10.32	1.22	-5.38	1.29
-003770	-2.36	4.61	-9.21	8.16	-9.95	6.31	-10.17	2.62	-2.80	2.55
-003760	-4.20	4.10	-7.30	8.97	-9.43	5.72	-10.24	3.51	-3.47	.85
-003750	-5.90	3.95	-4.87	8.97	-10.17	5.13	-10.32	4.10	-2.73	.63
-003740	-5.97	2.77	-3.39	8.38	-11.57	4.76	-11.87	3.43	-2.66	-.26
-003730	-3.84	2.47	-5.01	7.27	-11.50	5.43	-13.12	2.92	-3.10	-.48
-003720	-3.98	2.25	-8.70	7.64	-10.32	5.87	-13.19	2.25	-5.60	-1.29
-003710	-3.84	2.47	-11.20	7.64	-10.32	6.02	-11.50	2.84	-5.01	1.44
-003700	-4.13	1.14	-9.43	6.76	-11.42	4.98	-11.64	2.32	-3.76	2.32
-003690	-3.61	.85	-6.93	7.05	-9.36	6.09	-11.42	1.66	-4.06	.18
-003680	-4.57	1.88	-7.15	8.68	-7.30	5.94	-11.64	1.00	-5.46	-2.55
-003670	-3.76	4.98	-8.84	8.82	-8.18	4.76	-11.57	1.14	-4.50	-.92
-003660	-2.36	5.72	-7.37	8.31	-10.47	4.69	-13.12	2.03	-3.98	1.29
-003650	-2.80	3.88	-5.97	7.57	-10.39	6.90	-12.68	4.17	-4.94	2.32
-003640	-4.87	1.81	-6.19	7.86	-9.88	7.49	-11.64	4.61	-6.63	.85
-003630	-5.24	2.77	-8.33	7.20	-10.61	6.98	-11.57	3.80	-5.97	-.04
-003620	-5.01	3.14	-8.55	7.64	-11.50	6.76	-12.09	2.77	-4.06	-.19
-003610	-5.97	2.10	-8.18	8.82	-9.80	6.90	-10.54	2.77	-1.92	1.44
-003600	-7.22	1.96	-8.48	8.97	-8.70	5.43	-9.43	1.73	-3.84	1.36
-003590	-7.00	2.47	-8.84	7.57	-9.14	3.95	-10.54	.70	-5.68	.92
-003580	-7.37	1.59	-8.84	6.02	-10.39	3.95	-13.19	.11	-6.19	.33
-003570	-7.08	1.00	-9.29	5.13	-10.17	5.28	-13.19	.70	-3.32	1.07
-003560	-7.37	1.22	-8.99	5.80	-9.07	5.65	-11.72	.48	-3.17	.04
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-7.89	-1.07	-004050	8.10	5.40	-8.53	4.64	-8.23	1.32	0.00096	-3.68840051
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-1.48	1.73	-003940	8.91	5.03	-6.24	5.16	-6.22	1.98	0.00107	-5.23536444
-2.22	.18	-003930	8.91	6.14	-6.27	5.53	-5.55	1.96	0.00108	-4.42504978
-2.44	.40	-003920	9.13	6.51	-7.40	5.50	-5.82	2.15	0.00109	-5.23536444
-2.44	.04	-003910	9.21	5.85	-7.72	5.45	-5.90	2.08	0.0011	-8.03463173
-1.63	-.11	-003900	8.10	5.77	-7.52	5.40	-5.82	1.41	0.00111	-10.02358532
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-4.43	.48	-003870	8.99	6.29	-9.39	4.96	-6.19	2.89	0.00114	-3.17274594
-4.94	.92	-003860	8.77	7.69	-7.86	4.89	-7.18	3.46	0.00115	-2.95175099
-5.31	.77	-003850	9.36	8.65	-6.95	3.73	-7.18	2.52	0.00116	-2.06777191
-3.61	1.51	-003840	10.61	7.10	-7.10	2.89	-6.22	1.19	0.00117	-2.58342648
-4.13	1.29	-003830	9.43	3.70	-6.78	4.34	-5.78	.82	0.00118	-4.42504978
-5.38	1.88	-003820	7.66	2.60	-6.41	5.57	-6.83	1.19	0.00119	-6.92965794
-6.63	1.44	-003810	7.66	5.18	-7.81	4.96	-7.81	1.61	0.0012	-5.751019
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-3.54	-.26	-003790	9.43	5.85	-9.21	5.67	-7.00	.43	0.00122	-2.36243153
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-4.13	1.73	-003770	8.69	6.36	-7.18	6.36	-5.70	2.30	0.00124	-5.89834881
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-4.65	1.96	-003710	9.58	3.93	-8.45	5.38	-7.05	2.08	0.0013	-3.6147356
-3.10	1.29	-003700	10.24	3.70	-8.33	4.29	-6.17	1.98	0.00131	-4.57237959
-2.29	-.19	-003690	10.76	4.66	-6.63	4.66	-5.92	.55	0.00132	-3.76206541
-1.85	.40	-003680	9.43	5.70	-6.34	5.50	-6.32	-.38	0.00133	-2.36243153
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-4.20	-1.59	-003660	7.96	5.03	-6.73	6.24	-7.10	.58	0.00135	-4.86703968
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5.64835644	9.19338894	4.54053354	2.54645276	1.88175917
2.25103331	10.89205074	6.53461456	1.80790424	1.21706545
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3.87583995	8.30713081	6.53461456	2.25103331	2.54645276
2.98958182	7.27316332	4.54053354	1.43862998	0.70008153
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4.24511433	6.38690472	4.83595324	0.70008153	3.50656581
4.24511433	6.31305027	6.01763058	3.21114635	2.47259784
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4.31896925	6.97774363	5.05751753	3.94969487	2.25103331
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2.84187222	6.46075964	5.72221136	1.29092038	1.88175917
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4.54053354	6.38690472	3.94969487	2.39874315	0.99550092
5.2790823	3.06343675	4.98386261	1.95561397	0.40466216
6.38690472	3.72813034	6.9038887	0.84779125	0.70008153
5.42679167	6.97774363	7.27316332	1.21706545	1.29092038
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4.09740448	8.97182465	5.72221136	3.50656581	0.84779125
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-003540	-4.57	3.06	-6.05	8.23	-10.17	4.54	-12.97	.55	-4.57	2.03
-003530	-3.54	3.06	-5.90	6.39	-9.14	5.43	-13.19	1.29	-2.66	3.95
-003520	-4.28	2.10	-7.81	5.21	-7.08	5.57	-12.90	1.59	-4.43	.48
-003510	-5.82	1.59	-10.39	4.91	-8.99	3.80	-12.09	2.03	-5.01	-1.37
-003500	-6.41	1.73	-10.10	4.54	-12.53	3.73	-12.01	1.66	-4.13	.11
-003490	-4.87	3.06	-6.93	4.76	-11.28	6.61	-12.23	1.73	-2.80	2.77
-003480	-4.06	2.84	-5.46	5.87	-7.52	8.01	-11.42	1.73	-5.01	1.88
-003470	-4.72	2.92	-5.60	6.61	-7.81	6.31	-10.24	2.32	-5.24	1.81
-003460	-5.46	2.77	-7.15	5.43	-11.79	2.77	-11.94	2.03	-3.25	2.47
-003450	-2.95	3.65	-8.70	5.50	-11.20	4.69	-12.60	2.92	-2.44	4.10
-003440	-2.66	3.14	-9.51	6.83	-7.96	8.68	-11.35	2.69	-4.28	4.39
-003430	-3.91	2.99	-9.14	7.35	-7.67	8.45	-8.77	.77	-4.94	4.10
-003420	-6.12	2.77	-8.18	6.53	-11.64	4.10	-9.58	-2.03	-4.87	2.92
-003410	-7.00	3.43	-7.00	7.35	-13.78	3.58	-10.76	-.19	-4.28	2.69
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-003390	-6.71	.55	-6.86	8.45	-10.69	7.20	-11.50	5.35	-5.53	-.19
-003380	-7.81	-1.29	-8.11	5.43	-10.61	4.69	-12.09	3.14	-4.28	.85
-003370	-5.90	1.07	-7.59	3.95	-10.47	4.69	-12.16	1.00	-2.22	3.43
-003360	-1.55	4.76	-6.49	6.24	-9.43	6.90	-10.61	1.59	-3.54	1.96
-003350	-1.33	4.61	-6.78	7.94	-8.70	8.53	-10.47	3.14	-4.28	.48
-003340	-6.27	.85	-7.52	7.42	-9.88	6.76	-13.19	3.36	-3.69	1.73
-003330	-7.22	1.07	-6.93	6.90	-11.05	5.28	-15.33	1.96	-3.32	4.47
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-003230	-1.63	2.62	-7.89	5.43	-9.80	5.21	-13.71	5.28	-4.13	3.51
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-003190	-5.16	2.92	-8.99	5.57	-10.54	5.43	-9.07	3.43	-3.98	-.04
-003180	-6.34	3.21	-9.51	4.10	-10.61	5.65	-11.35	3.43	-3.84	.55
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-003110	-2.44	3.21	-6.93	7.86	-10.24	7.79	-11.20	3.65	-3.10	.40
-003100	-3.47	.85	-9.36	7.79	-10.78	6.02	-11.05	4.47	-4.57	1.44
-003090	-4.79	.85	-9.73	7.49	-10.32	4.25	-12.01	3.36	-3.98	2.62
-003080	-5.60	2.62	-6.41	8.53	-10.32	4.02	-12.53	1.36	-4.06	1.22
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-003060	-4.57	2.03	-8.03	7.49	-10.32	3.06	-10.76	3.80	-5.09	1.22
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-2.88	2.55	- .003540	9.58	4.66	-6.93	5.28	-6.81	1.71	0.00147	-4.27771997
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-3.32	-.63	- .003460	10.02	6.14	-8.13	3.65	-6.17	1.29	0.00155	-2.65709138
-3.32	-1.15	- .003450	9.87	4.89	-7.62	4.61	-6.12	1.96	0.00156	-3.90939546
-2.88	-1.96	- .003440	9.72	5.33	-6.71	6.21	-6.17	1.71	0.00157	-6.11934376
-3.25	-1.96	- .003430	10.02	6.66	-6.91	6.26	-5.65	.97	0.00158	-7.00332308
-3.54	-.04	- .003420	10.39	5.77	-8.65	4.47	-6.00	.28	0.00159	-6.70866299
-5.24	-.04	- .003410	11.27	4.44	-9.26	4.79	-6.76	.82	0.0016	-6.70866299
-5.09	-.48	- .003400	9.72	3.19	-8.35	6.41	-7.35	1.41	0.00161	-7.81363726
-2.88	-.63	- .003390	8.69	4.00	-8.08	5.40	-6.83	1.51	0.00162	-5.89834881
-.67	.63	- .003380	8.84	3.93	-8.84	2.94	-5.68	1.54	0.00163	-1.55211723
-2.51	.92	- .003370	11.34	4.59	-7.99	3.24	-5.63	1.78	0.00164	-1.3311224
-4.50	1.14	- .003360	10.98	4.22	-5.82	5.97	-6.22	1.56	0.00165	-6.26667356
-4.72	.11	- .003350	8.99	4.96	-5.60	7.03	-6.49	1.24	0.00166	-7.22431755
-2.22	-.19	- .003340	8.91	5.33	-7.89	5.01	-6.36	1.64	0.00167	-4.64604473
-1.11	.11	- .003330	10.17	4.15	-8.40	4.42	-6.59	2.18	0.00168	-2.36243153
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-2.29	-1.07	- .003280	8.84	5.55	-8.87	4.22	-6.93	1.00	0.00173	-5.53002405
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0.10924275	9.42945576	8.28364944	-6.85599279	-5.55457878	6.53461456	1.6848129
1.66019464	10.60809422	6.73299796	-7.51897764	-5.57913399	7.12545347	2.02946877
2.76801729	11.1974144	3.9252135	-9.55704117	-6.73321819	5.50064659	2.66954422

-003030	-5.46	5.87	-6.41	6.90	-10.69	8.60	-9.88	3.58	-2.29	.85
-003020	-7.59	3.51	-8.84	7.27	-12.23	5.72	-10.17	5.13	-4.13	.11
-003010	-6.63	1.73	-9.58	8.82	-10.98	4.84	-10.10	6.90	-3.98	3.29
-003000	-4.94	2.03	-8.03	8.68	-9.73	5.57	-12.16	5.72	-4.20	5.13
-002990	-4.28	4.61	-6.71	7.27	-10.61	6.90	-12.90	4.10	-4.20	3.80
-002980	-5.75	5.06	-8.99	6.31	-11.35	7.20	-12.82	3.36	-4.57	-1.19
-002970	-5.01	3.80	-10.24	8.90	-10.91	5.57	-10.47	5.21	-3.61	-1.22
-002960	-3.84	3.36	-9.14	9.64	-9.88	4.54	-10.61	4.39	-2.88	.33
-002950	-4.28	4.54	-6.78	8.16	-7.37	6.09	-11.42	2.92	-1.99	1.88
-002940	-7.37	3.51	-6.34	6.90	-7.59	8.38	-12.01	2.25	-2.95	1.81
-002930	-7.74	1.73	-7.08	7.79	-10.17	8.38	-11.50	3.73	-3.39	1.66
-002920	-4.94	2.77	-7.81	8.68	-12.31	7.64	-12.53	3.73	-3.98	1.44
-002910	-3.10	5.35	-6.78	9.34	-10.47	7.94	-12.68	4.32	-4.43	1.07
-002900	-5.01	4.54	-5.53	8.16	-9.21	7.42	-13.41	3.06	-7.00	.33
-002890	-5.46	3.95	-6.93	7.13	-10.17	5.72	-12.82	1.73	-6.56	1.44
-002880	-5.38	4.25	-9.43	6.90	-11.72	5.35	-12.38	1.00	-4.57	1.14
-002870	-6.05	5.13	-7.96	6.68	-11.64	6.98	-11.35	2.25	-2.80	1.36
-002860	-7.67	3.51	-7.15	5.50	-10.91	7.57	-11.20	3.43	-3.84	.55
-002850	-5.82	3.65	-9.14	5.35	-10.61	7.20	-10.91	3.58	-3.61	.40
-002840	-3.69	3.88	-9.66	6.31	-10.17	6.61	-11.87	2.92	-4.06	-1.37
-002830	-2.95	4.39	-7.08	6.83	-9.58	6.90	-12.23	3.36	-4.13	-1.52
-002820	-4.50	2.92	-5.90	6.31	-10.02	7.79	-12.23	3.51	-5.31	-1.00
-002810	-4.50	2.55	-6.63	6.46	-10.83	8.45	-10.91	3.36	-4.13	.48
-002800	-4.13	3.14	-7.45	7.94	-12.23	7.20	-10.69	1.73	-3.84	-.70
-002790	-2.95	5.43	-7.22	9.86	-12.23	5.28	-10.91	2.18	-3.17	-.70
-002780	-3.47	5.72	-8.03	9.64	-11.72	5.13	-11.79	3.80	-4.35	.18
-002770	-4.06	4.32	-8.55	8.53	-10.10	7.27	-11.50	4.39	-4.65	1.73
-002760	-5.31	2.25	-8.11	7.94	-9.07	8.38	-12.09	3.06	-5.16	1.36
-002750	-4.72	2.92	-6.71	9.05	-8.33	8.53	-12.23	2.84	-4.06	1.00
-002740	-5.46	3.36	-8.33	9.12	-9.14	8.09	-12.53	3.21	-5.16	-.48
-002730	-6.71	3.21	-8.77	9.27	-9.73	8.68	-12.09	3.06	-5.68	-.63
-002720	-6.41	2.10	-7.74	9.05	-10.17	9.71	-12.45	1.59	-4.65	-.04
-002710	-3.10	2.92	-5.90	9.19	-10.54	10.01	-12.23	2.55	-2.29	1.88
-002700	-4.06	3.21	-6.19	8.45	-10.61	10.15	-12.45	3.80	-2.95	2.18
-002690	-6.63	4.25	-6.86	7.57	-10.69	11.11	-11.42	4.61	-3.76	1.07
-002680	-7.37	3.36	-7.81	6.02	-11.50	10.67	-11.57	3.29	-4.20	.04
-002670	-4.35	2.47	-8.11	6.31	-11.79	9.27	-12.23	1.88	-2.80	.55
-002660	-3.84	2.32	-8.33	8.53	-12.23	7.94	-13.04	.70	-2.22	1.00
-002650	-4.94	4.54	-8.84	10.08	-12.16	7.86	-11.28	2.18	-2.22	1.66
-002640	-4.43	5.21	-8.03	9.71	-11.79	8.23	-9.73	3.14	-3.98	.70
-002630	-2.66	3.21	-6.63	7.49	-11.28	7.94	-10.32	2.25	-3.61	1.22
-002620	-4.06	1.59	-6.41	6.09	-10.83	7.64	-12.45	1.07	-3.25	.40
-002610	-6.19	3.95	-6.93	6.76	-10.69	7.13	-10.98	2.25	-2.22	-.19
-002600	-6.41	6.24	-7.67	7.05	-10.54	6.90	-9.95	1.22	-3.10	-1.37
-002590	-4.28	5.43	-7.81	8.01	-11.05	6.39	-11.42	-.78	-1.92	.40
-002580	-3.84	1.88	-8.77	8.45	-11.05	5.85	-13.78	-.33	-2.14	.48
-002570	-5.60	.55	-8.26	8.68	-10.61	6.68	-12.97	4.10	-1.99	.11
-002560	-7.30	1.00	-6.71	7.64	-10.91	8.38	-11.20	3.65	-3.39	.11
-002550	-4.72	2.25	-5.24	8.23	-12.38	8.16	-10.61	-.70	-3.32	2.40
-002540	-3.32	2.92	-6.78	8.90	-12.97	6.90	-12.60	-2.84	-4.28	1.44
-002530	-3.10	4.10	-9.43	8.16	-10.76	6.46	-12.60	1.29	-4.43	-.41

-4.57	1.66	- .003030	10.61	6.73	-7.52	7.13	-5.58	2.03	0.00198	-6.63499832
-5.90	2.77	- .003020	11.20	3.93	-9.56	5.50	-6.73	2.67	0.00199	-4.94070435
-6.12	1.22	- .003010	10.02	2.89	-9.07	5.13	-6.73	3.80	0.002	-4.27771997
-3.84	2.32	- .003000	7.96	3.04	-7.57	5.43	-6.73	4.39	0.00201	-5.751019
-4.79	3.36	- .002990	7.96	5.03	-7.20	6.26	-7.30	3.75	0.00202	-5.01436949
-4.43	3.21	- .002980	6.78	4.07	-8.70	6.19	-7.27	2.13	0.00203	-3.83573031
-3.32	2.18	- .002970	8.40	3.63	-8.72	6.09	-5.80	2.05	0.00204	-4.27771997
-1.92	3.88	- .002960	8.69	2.89	-7.62	5.85	-5.14	2.87	0.00205	-7.37164736
-3.98	3.95	- .002950	9.28	5.40	-6.14	6.26	-5.80	2.92	0.00206	-7.73997211
-5.53	3.95	- .002940	8.25	7.10	-7.10	6.26	-6.83	2.67	0.00207	-4.94070435
-5.46	3.21	- .002930	8.99	6.73	-8.33	5.97	-6.78	2.87	0.00208	-3.09908104
-3.69	3.21	- .002920	9.50	5.18	-8.35	6.36	-6.73	2.79	0.00209	-5.01436949
-2.58	3.73	- .002910	10.09	5.26	-6.78	7.54	-6.56	3.04	0.0021	-5.45635891
-1.99	4.02	- .002900	9.43	5.99	-6.59	6.71	-7.47	2.47	0.00211	-5.38269424
-2.29	2.62	- .002890	10.02	6.73	-7.52	5.60	-7.22	1.93	0.00212	-6.04567862
-2.14	1.96	- .002880	9.36	5.55	-8.84	5.50	-6.36	1.36	0.00213	-7.66630745
-3.54	1.00	- .002870	10.31	5.92	-8.55	6.26	-5.90	1.54	0.00214	-5.82468367
-4.13	1.14	- .002860	9.43	6.14	-8.57	5.53	-6.39	1.71	0.00215	-3.68840051
-3.10	1.73	- .002850	9.72	7.03	-8.53	5.40	-5.87	1.91	0.00216	-2.95175099
-1.40	3.88	- .002840	10.68	7.25	-7.84	5.60	-5.78	1.81	0.00217	-4.49871492
-5.09	2.92	- .002830	11.64	7.32	-6.54	6.04	-7.15	1.59	0.00218	-4.49871492
-8.55	.85	- .002820	11.20	8.65	-6.81	5.67	-8.70	1.12	0.00219	-4.13039017
-7.15	.48	- .002810	8.69	8.80	-7.32	5.82	-7.40	1.44	0.0022	-2.95175099
-2.29	3.36	- .002800	7.07	7.03	-7.94	6.09	-5.60	1.46	0.00221	-3.4674058
-2.66	3.95	- .002790	8.40	6.29	-7.47	6.85	-5.58	1.81	0.00222	-4.05672503
-4.43	2.62	- .002780	9.95	6.58	-7.74	6.83	-6.86	2.20	0.00223	-5.3090291
-4.20	-.48	- .002770	11.34	7.62	-7.57	6.71	-6.78	1.88	0.00224	-4.71970987
-1.18	-2.18	- .002760	10.39	5.85	-7.49	6.19	-6.14	.75	0.00225	-5.45635891
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-4.57	1.59	- .002730	9.65	6.22	-8.40	7.05	-7.45	1.34	0.00228	-3.09908104
-3.84	2.69	- .002720	11.42	5.40	-8.11	6.95	-6.98	1.41	0.00229	-4.05672503
-4.13	1.29	- .002710	11.05	4.00	-6.51	7.37	-6.22	1.91	0.0023	-6.63499832
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-3.98	.63	- .002690	8.25	4.59	-8.06	7.64	-6.39	2.10	0.00232	-4.35138512
-2.36	1.73	- .002680	7.66	4.52	-8.89	6.68	-6.05	1.68	0.00233	-3.83573031
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-2.58	.92	- .002660	8.91	3.19	-8.13	6.26	-5.95	.87	0.00235	-4.42504978
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-2.95	1.36	- .002620	8.55	8.51	-7.10	5.11	-6.22	.95	0.00239	-6.41400337
-4.43	1.22	- .002610	9.36	7.40	-7.94	5.94	-5.87	1.09	0.0024	-4.27771997
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3.80198526	8.8979702	5.57450151	5.20522738	-1.22014451
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3.13729167	7.93785667	7.1993084	1.73404944	-0.70316058
5.42679167	9.85808277	5.2790823	2.17717862	-0.70316058
5.72221136	9.63651848	5.13137245	3.80198526	0.1830976
4.31896925	8.52869511	7.27316332	4.39282417	1.73404944
2.25103331	7.93785667	8.38098621	3.06343675	1.36477518
2.9157269	9.04567909	8.52869511	2.84187222	0.99550092
3.3588562	9.11953449	8.08556652	3.21114635	-0.48159602
3.21114635	9.26724434	8.67640495	3.06343675	-0.62930572
2.1033237	9.04567909	9.71037292	1.58633971	-0.03846694
2.9157269	9.19338894	10.00579262	2.54645276	1.88175917
3.21114635	8.45484066	10.15350246	3.80198526	2.17717862
4.24511433	7.56858253	11.11361504	4.61438847	1.06935565
3.3588562	6.01763058	10.67048645	3.28500128	0.03538791
2.47259784	6.31305027	9.26724434	1.88175917	0.55237186
2.32488823	8.52869511	7.93785667	0.70008153	0.99550092
4.54053354	10.07964706	7.86400175	2.17717862	1.66019464
5.20522738	9.71037292	8.23327637	3.13729167	0.70008153
3.21114635	7.49472761	7.93785667	2.25103331	1.21706545
1.58533971	6.0914855	7.64243746	1.06935585	0.40466216
3.94969487	6.75617933	7.12545347	2.25103331	-0.18617664
6.23919535	7.05159855	6.9038887	1.21706545	-1.35785424
5.42679167	8.01171112	6.38690472	-0.77701545	0.40466216
1.88175917	8.45484066	5.64835644	-0.33388633	0.478517
0.55237186	8.67640495	6.68232441	4.09740448	0.10924275
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2.25103331	8.23327637	8.15942097	-0.70316058	2.39874315
2.9157269	8.8979702	6.9038887	-2.84495115	1.43862998
4.09740448	8.15942097	6.46075964	1.29092038	-0.40774119
3.06343675	5.35293722	6.31305027	3.72813034	0.10924275
3.13729167	5.50064659	5.72221136	2.69416237	3.06343675

1.21706545	10.01877499	2.89224553	-9.06594086	-6.73321819	5.13137245	3.80198526
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3.3588562	7.95615673	5.03403616	-7.19976234	-7.29798269	6.2638135	3.75274873
3.21114635	6.7775178	4.07392311	-8.69761658	-7.27342749	6.18995857	2.12794209
2.17717862	8.39814663	3.63079405	-8.72217178	-5.80012894	6.0914855	2.05408716
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1.95561397	9.35579109	5.55102015	-8.84494686	-6.36489296	5.50064659	1.36477518
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1.14321065	9.42945576	6.14185905	-8.5748415	-6.38944817	5.52526474	1.70943117
1.73404944	9.72411537	7.02811718	-8.52573204	-5.87379408	5.40217352	1.90637743
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2.9157269	11.6394043	7.3235364	-6.53677797	-7.15065269	6.04224873	1.58633971
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3.3588562	7.07217741	7.02811718	-7.93641233	-5.60368919	6.0914855	1.46324837
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2.62030768	9.94511032	6.58498812	-7.73997211	-6.85599279	6.83003426	2.20179677
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1.36477518	8.54547596	8.50521374	-7.10154247	-6.21756363	5.1067543	0.94626439
1.21706545	9.35579109	7.39739132	-7.93641233	-5.8737936	5.94377613	1.09397399
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1.43862996	9.79778004	8.50521374	-7.76452732	-6.36489344	6.23919487	0.77393639
3.13729167	9.42945576	8.94834328	-8.62395096	-7.10154295	4.90980816	2.32488823
1.14321065	9.65045071	6.80655241	-8.74672699	-7.39620256	4.78671646	2.30026984

-002520	-4.50	3.06	-11.35	5.35	-10.02	6.31	-13.26	3.73	-4.79	.11
-002510	-4.72	3.14	-9.73	5.50	-11.79	5.72	-13.04	2.69	-4.20	3.06
-002500	-5.60	3.36	-7.59	7.49	-13.26	4.25	-13.41	-.04	-3.54	2.55
-002490	-5.60	4.10	-7.37	7.86	-10.91	4.98	-12.53	.63	-2.07	1.14
-002480	-5.75	3.65	-8.99	6.02	-8.26	4.91	-12.31	2.10	-3.10	.77
-002470	-4.94	3.21	-8.33	5.50	-8.48	3.95	-10.61	3.14	-4.28	2.47
-002460	-5.75	2.55	-8.11	4.98	-10.91	4.47	-11.20	1.59	-4.43	2.40
-002450	-6.86	4.10	-7.96	5.35	-11.57	6.90	-10.54	.92	-3.61	4.76
-002440	-7.81	3.95	-8.55	6.68	-10.98	7.79	-9.95	.70	-5.31	4.69
-002430	-5.46	2.62	-8.33	8.53	-11.94	6.39	-9.88	.92	-5.16	2.92
-002420	-4.72	.11	-8.84	7.20	-12.68	5.13	-12.53	-.26	-2.88	1.29
-002410	-4.72	-.56	-9.66	5.28	-11.87	5.57	-12.53	-.63	-.96	3.29
-002400	-6.12	-.04	-9.58	5.87	-11.20	6.31	-11.42	.85	-4.43	3.88
-002390	-6.78	1.73	-7.74	8.75	-10.61	5.87	-12.01	1.22	-5.46	4.91
-002380	-5.75	3.73	-6.19	9.41	-9.88	5.72	-13.93	.40	-5.60	4.17
-002370	-3.98	4.76	-5.46	8.88	-9.36	5.43	-13.12	1.88	-6.05	3.80
-002360	-3.84	3.06	-8.18	6.02	-9.43	4.02	-11.79	4.10	-7.08	2.40
-002350	-4.50	1.81	-10.51	5.43	-9.80	1.73	-12.09	3.14	-3.84	3.21
-002340	-5.60	1.36	-10.47	6.46	-10.10	2.84	-13.19	.48	-2.22	2.55
-002330	-5.46	2.32	-6.41	9.64	-11.20	6.61	-12.09	1.66	-2.80	2.77
-002320	-4.87	2.69	-5.46	9.27	-12.68	8.16	-11.87	2.55	-4.28	2.47
-002310	-2.80	3.95	-7.45	7.05	-12.53	6.09	-10.98	2.69	-3.84	2.18
-002300	-3.84	4.84	-8.62	4.69	-10.91	4.54	-11.79	2.25	-3.25	2.62
-002290	-6.41	4.10	-7.37	4.84	-8.48	5.94	-11.42	3.21	-3.91	3.95
-002280	-6.93	2.32	-7.22	4.10	-7.96	6.24	-11.13	2.40	-6.56	3.73
-002270	-4.65	3.06	-7.96	4.61	-9.73	4.47	-10.39	1.59	-8.40	2.92
-002260	-3.61	4.69	-8.55	6.61	-12.23	2.47	-12.31	.33	-7.52	4.02
-002250	-4.72	4.54	-7.96	8.68	-11.64	3.21	-12.09	2.47	-5.60	6.53
-002240	-5.46	3.14	-8.11	7.27	-10.17	4.54	-10.83	5.06	-6.93	6.02
-002230	-4.94	3.06	-7.22	5.43	-9.73	4.47	-10.02	5.50	-7.37	5.06
-002220	-5.46	2.18	-6.78	6.09	-10.02	2.25	-12.90	1.73	-6.19	5.43
-002210	-4.65	3.36	-7.00	7.57	-8.84	1.36	-12.01	1.00	-5.53	6.46
-002200	-4.50	4.02	-7.52	7.05	-8.70	4.25	-10.02	3.14	-8.62	5.43
-002190	-4.65	2.77	-6.78	6.02	-11.13	5.87	-9.66	6.53	-8.26	6.53
-002180	-5.90	.04	-6.34	6.02	-12.97	4.91	-12.90	5.87	-5.68	8.45
-002170	-4.87	1.00	-6.49	6.98	-11.13	3.95	-12.38	5.94	-3.76	10.08
-002160	-4.65	4.10	-6.63	7.20	-8.26	3.21	-10.61	5.94	-6.41	6.98
-002150	-5.16	5.43	-6.63	6.76	-9.80	2.92	-11.05	5.28	-7.81	5.57
-002140	-5.53	2.84	-8.26	5.50	-11.35	2.62	-13.56	2.99	-6.93	5.72
-002130	-3.39	.11	-9.43	4.69	-10.17	3.51	-14.44	2.40	-3.03	8.38
-002120	-3.25	-.63	-9.36	4.25	-9.80	4.02	-13.71	3.36	-2.14	8.23
-002110	-5.38	2.32	-7.81	4.91	-12.23	4.02	-12.31	5.13	-3.03	8.31
-002100	-7.22	5.72	-7.37	4.25	-13.41	4.02	-12.97	5.57	-5.75	7.94
-002090	-6.19	6.31	-6.93	4.32	-11.28	5.50	-12.68	5.57	-6.12	8.23
-002080	-5.90	3.29	-7.52	4.25	-10.91	4.76	-11.94	4.17	-5.90	6.61
-002070	-6.19	2.03	-8.84	5.94	-11.50	3.85	-9.14	4.61	-5.90	6.46
-002060	-6.63	3.14	-10.39	6.90	-11.42	4.61	-11.20	4.17	-5.82	7.94
-002050	-5.75	4.69	-9.07	8.01	-11.35	6.31	-13.49	5.06	-5.46	7.79
-002040	-5.60	5.28	-7.67	7.35	-10.61	6.98	-13.12	6.61	-5.97	4.91
-002030	-5.31	4.84	-6.27	7.13	-9.68	7.05	-9.73	7.64	-4.87	3.95
-002020	-5.16	4.54	-6.49	5.57	-10.54	6.90	-10.17	5.87	-4.06	4.84

-3.25	3.14	-002520	9.43	8.95	-8.62	4.91	-7.10	2.32	0.00249	-5.60368919
-4.94	1.14	-002510	9.65	6.81	-8.75	4.79	-7.40	2.30	0.0025	-5.60368919
-3.32	-7.78	-002500	7.66	5.70	-8.82	5.03	-6.76	.58	0.00251	-5.751019
-1.92	-1.07	-002490	6.48	7.10	-7.96	5.65	-5.51	.23	0.00252	-4.94070435
-1.18	-.19	-002480	7.96	7.47	-7.67	4.86	-5.53	.90	0.00253	-5.751019
-2.44	-1.00	-002470	10.31	6.51	-7.25	4.22	-5.78	1.54	0.00254	-6.85589279
-3.54	-2.55	-002460	8.99	4.37	-8.26	4.00	-6.39	.48	0.00255	-7.81363726
-4.06	-2.25	-002450	8.55	4.81	-8.80	5.45	-6.07	1.14	0.00256	-5.45635891
-3.39	.04	-002440	9.36	4.07	-9.12	6.14	-6.22	1.81	0.00257	-4.71970987
-3.47	.70	-002430	12.45	5.33	-8.57	5.85	-6.17	1.51	0.00258	-4.71970987
-3.17	.11	-002420	11.93	5.99	-8.75	4.15	-6.19	.38	0.00259	-6.11934376
-2.51	-7.78	-002410	9.13	5.85	-8.75	3.43	-5.33	.63	0.0026	-6.78232813
-2.22	-.04	-002400	6.92	5.26	-8.97	4.05	-6.02	1.56	0.00261	-5.751019
-3.54	1.00	-002390	7.88	5.85	-8.38	5.45	-7.00	2.37	0.00262	-3.98306036
-2.66	1.51	-002380	10.46	5.92	-7.27	6.29	-7.40	2.03	0.00263	-3.83573031
-1.63	-.04	-002370	10.90	6.14	-6.27	6.29	-6.93	1.88	0.00264	-4.49871492
-1.26	-1.00	-002360	7.66	4.37	-7.15	4.37	-6.71	1.83	0.00265	-5.60368919
-3.91	-1.29	-002350	8.03	5.26	-8.30	2.99	-6.51	1.68	0.00266	-5.45635891
-5.46	-.41	-002340	8.32	5.62	-8.72	3.56	-6.95	.87	0.00267	-4.86703968
-5.53	-1.07	-002330	9.21	7.18	-7.69	6.19	-6.81	1.12	0.00268	-2.80442119
-3.76	-.41	-002320	7.81	6.58	-7.67	6.71	-6.53	1.54	0.00269	-3.83573031
-3.54	-.92	-002310	8.69	7.03	-7.59	5.70	-6.12	1.32	0.0027	-6.41400337
-3.10	-.04	-002300	10.09	6.66	-7.79	4.69	-6.05	1.61	0.00271	-6.92965794
-2.73	-.63	-002290	11.34	5.77	-7.42	4.96	-6.02	2.18	0.00272	-4.64604473
-1.11	.26	-002280	10.76	5.40	-7.37	4.22	-6.27	2.13	0.00273	-3.6147356
-2.14	.40	-002270	11.05	5.55	-7.45	4.05	-6.98	1.64	0.00274	-4.71970987
-2.95	1.88	-002260	10.02	3.70	-8.13	4.59	-7.59	2.08	0.00275	-5.45635891
-3.69	1.96	-002250	9.28	2.97	-8.11	5.48	-7.13	3.65	0.00276	-4.94070435
-3.47	1.73	-002240	7.44	2.23	-7.91	4.98	-7.08	4.27	0.00277	-5.45635891
-3.91	1.88	-002230	8.25	4.52	-7.30	4.32	-7.10	4.15	0.00278	-4.64604473
-3.32	2.99	-002220	8.99	5.40	-7.42	3.51	-7.47	3.38	0.00279	-4.49871492
-3.03	2.62	-002210	11.05	6.14	-6.83	4.10	-6.86	3.36	0.0028	-4.64604473
-2.80	2.77	-002200	10.02	4.66	-6.91	5.11	-7.15	3.78	0.00281	-5.89834881
-2.66	3.65	-002190	8.40	3.48	-7.52	4.89	-6.86	5.57	0.00282	-4.86703968
-2.80	4.98	-002180	8.10	3.34	-8.40	3.65	-7.13	6.44	0.00283	-4.64604473
-4.06	4.61	-002170	10.24	5.55	-7.49	3.97	-6.73	6.88	0.00284	-5.1616993
-2.51	4.98	-002160	11.79	5.85	-6.51	4.84	-6.51	5.97	0.00285	-5.53002405
-.89	5.43	-002150	12.60	5.62	-7.20	5.03	-6.59	5.43	0.00286	-3.39374065
-.74	5.50	-002140	9.28	4.07	-8.38	3.65	-7.08	4.74	0.00287	-3.24641085
-4.94	2.77	-002130	9.21	5.40	-7.67	2.77	-7.47	4.52	0.00288	-5.38269424
-6.78	2.32	-002120	9.21	4.74	-7.47	2.55	-7.54	4.64	0.00289	-7.22431755
-6.05	2.69	-002110	10.61	5.40	-8.48	3.75	-7.13	5.38	0.0029	-6.19300842
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-001970	-5.01	3.80	-8.55	10.45	-12.97	3.80	-14.15	4.98	-1.70	6.17
-001960	-6.19	5.50	-8.55	8.23	-11.87	6.31	-14.08	6.90	-4.28	7.05
-001950	-8.70	6.09	-11.42	5.35	-9.36	7.94	-14.44	7.57	-6.93	6.39
-001940	-8.77	5.35	-14.37	4.39	-11.05	6.02	-15.62	6.68	-7.45	6.46
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-001920	-4.72	6.31	-8.99	8.38	-11.64	5.13	-14.52	7.49	-3.98	4.32
-001910	-5.24	6.24	-7.52	7.64	-10.47	3.65	-13.56	7.94	-3.25	1.73
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-001890	-5.01	6.17	-7.81	9.05	-10.91	5.28	-13.71	8.90	-3.54	4.54
-001880	-5.75	6.68	-6.34	10.89	-11.20	8.09	-12.82	7.94	-5.09	3.36
-001870	-4.87	7.86	-5.24	11.34	-10.91	7.27	-10.10	8.53	-5.38	4.02
-001860	-3.84	6.31	-7.30	8.75	-11.72	4.10	-11.05	8.45	-8.26	4.10
-001850	-4.28	4.39	-8.55	7.13	-12.68	5.65	-12.68	8.53	-8.84	4.25
-001840	-6.63	3.95	-10.02	7.20	-12.60	9.64	-13.19	7.94	-6.12	2.99
-001830	-7.22	6.24	-9.66	9.71	-11.35	10.60	-10.76	8.53	-2.22	3.80
-001820	-7.30	6.76	-9.51	9.41	-10.61	9.34	-11.35	7.64	-2.36	5.28
-001810	-6.34	5.28	-8.99	9.19	-12.09	9.71	-12.60	6.46	-4.50	6.68
-001800	-6.05	5.72	-7.59	10.67	-11.87	12.07	-12.68	7.20	-7.15	6.76
-001790	-6.41	8.53	-6.49	12.44	-10.54	14.29	-10.54	10.08	-7.37	6.09
-001780	-8.84	7.86	-8.55	10.60	-10.61	13.62	-11.20	10.52	-5.82	3.14
-001770	-9.36	6.90	-9.43	10.23	-12.53	11.41	-11.72	8.82	-2.07	2.32
-001760	-9.51	7.05	-9.07	12.30	-13.12	11.19	-12.45	6.83	-2.88	1.81
-001750	-8.55	7.72	-8.26	14.51	-12.23	13.11	-12.31	6.46	-5.46	2.55
-001740	-9.43	5.87	-9.43	13.18	-11.79	12.81	-11.79	6.39	-7.45	3.36
-001730	-7.81	6.61	-9.43	12.15	-11.50	11.04	-9.21	6.83	-4.50	5.57
-001720	-5.75	7.57	-9.36	12.89	-10.17	11.26	-9.88	5.43	-4.06	4.17
-001710	-4.57	7.79	-8.77	13.85	-9.73	14.29	-10.76	5.57	-3.61	2.47
-001700	-5.90	6.90	-8.84	11.48	-12.53	15.18	-11.87	5.35	-4.20	1.22
-001690	-5.68	7.79	-7.74	11.26	-15.03	13.11	-11.35	5.28	-3.39	1.88
-001680	-5.82	7.64	-7.08	12.37	-13.49	10.52	-13.71	4.25	-4.72	1.00
-001670	-6.34	6.76	-7.45	12.37	-11.64	10.08	-13.71	6.90	-3.54	1.96
-001660	-7.96	6.17	-8.55	10.74	-12.31	12.07	-13.12	8.75	-2.29	1.59
-001650	-6.71	8.53	-8.18	12.37	-12.38	14.29	-12.97	7.86	-1.33	1.29
-001640	-4.72	9.93	-7.96	14.58	-11.50	14.44	-14.00	6.61	-3.54	1.51
-001630	-4.50	9.05	-7.52	14.58	-12.97	12.52	-12.16	9.86	-5.38	3.43
-001620	-7.00	6.76	-8.48	12.59	-15.70	10.45	-10.39	9.12	-5.82	2.69
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-001600	-5.68	6.02	-9.73	13.77	-10.10	11.70	-10.91	6.02	-3.03	1.22
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-7.81	5.06	-001990	7.29	3.63	-7.99	5.94	-9.04	5.33	0.00302	-5.01436949
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-4.72	8.97	-001880	9.87	3.26	-7.76	8.55	-7.54	6.76	0.00313	-3.83573031
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9.56266308	6.9248476	4.66476202	-9.13960648	-6.92965794	8.50407696	7.49472761
9.26724434	8.84013653	5.55102015	-9.13960648	-7.76452732	8.06094837	7.47010946
7.56858253	8.54547596	6.14185905	-8.50117683	-8.42751217	9.48880863	7.17469025
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7.64243746	7.80882692	4.88632631	-9.33604527	-7.42075777	10.6951046	7.10083532
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6.46075964	9.57678509	5.25560093	-10.56379509	-6.97876787	10.17812061	5.03289938
4.39282417	8.32448196	5.4033103	-9.67981529	-7.73997211	11.77830887	4.46667862
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2.17717862	11.27107906	9.24376297	-8.47662163	-7.58808758	9.73499107	3.6788938
1.29092038	11.05008411	8.65292358	-9.60615063	-6.90510273	9.66113663	3.87584019
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1.29092038	6.9248476	9.39147186	-8.3292923	-7.24887276	12.04910946	4.86057138
1.29092038	6.9248476	7.91437531	-10.39191055	-6.19300842	9.93193817	4.36820555
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2.9157269	7.80882692	11.01627922	-7.98552227	-7.37164736	10.03041077	4.3928237
4.09740448	10.7554245	11.45940781	-9.87625599	-8.55028725	8.25789452	4.29435062
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2.76801729	7.44050217	9.09605312	-8.40295601	-7.81363726	7.79014683	2.96496367
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4.68324339	8.10348701	11.01627922	-9.06594066	-5.751019	6.95312548	3.21114635
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-001500	-5.38	3.29	-10.47	9.19	-11.35	8.38	-12.53	4.76	-1.33	.18
-001490	-5.46	4.10	-11.79	7.79	-10.47	7.94	-12.16	5.13	-.74	.48
-001480	-6.71	5.13	-9.58	8.53	-10.47	7.72	-12.75	3.14	-2.29	-.19
-001470	-6.19	5.87	-5.46	9.71	-10.83	8.82	-12.01	3.51	-1.63	.85
-001460	-5.82	5.43	-5.75	7.35	-11.87	9.19	-13.41	4.98	-2.66	.40
-001450	-5.53	6.17	-8.26	5.80	-11.35	8.38	-14.37	6.24	-2.07	1.00
-001440	-5.01	7.05	-9.14	6.90	-9.58	7.94	-14.15	4.69	-3.17	.70
-001430	-4.57	7.94	-6.63	9.93	-10.02	8.88	-11.79	3.95	-4.79	2.40
-001420	-6.78	6.68	-6.41	10.30	-11.94	9.41	-11.42	2.99	-6.63	2.03
-001410	-7.81	5.43	-8.11	10.89	-12.53	10.30	-12.01	2.99	-4.87	1.44
-001400	-7.45	4.10	-8.70	11.19	-10.61	11.04	-13.93	1.44	-3.54	.40
-001390	-6.05	4.17	-6.93	11.85	-9.73	9.78	-13.34	1.73	-2.58	.55
-001380	-7.30	3.29	-7.67	10.89	-10.32	6.90	-11.87	2.55	-4.06	-.92
-001370	-8.55	4.76	-8.55	11.19	-11.72	4.17	-9.73	4.32	-4.87	-1.81
-001360	-6.63	6.61	-8.70	10.60	-11.05	5.35	-10.54	3.06	-6.27	-2.55
-001350	-3.54	7.20	-6.71	10.45	-9.66	7.64	-11.35	3.21	-5.53	-.11
-001340	-4.72	4.10	-7.74	8.45	-10.69	7.64	-12.97	3.95	-5.31	1.36
-001330	-5.68	4.32	-8.62	7.42	-12.53	6.09	-12.53	5.13	-4.94	1.29
-001320	-4.65	7.20	-8.99	8.09	-12.01	6.24	-12.31	3.73	-5.46	1.14
-001310	-2.66	9.05	-7.37	10.15	-9.88	7.86	-12.23	3.36	-3.91	3.43
-001300	-5.38	5.72	-7.67	9.27	-8.48	8.31	-13.56	3.43	-3.25	4.25
-001290	-6.41	3.73	-7.15	8.82	-9.29	6.61	-12.68	4.84	-2.95	4.02
-001280	-3.76	4.54	-7.37	8.97	-10.76	5.06	-12.09	3.43	-4.35	2.10
-001270	-1.40	6.90	-7.22	9.93	-11.05	4.25	-10.91	2.55	-3.76	1.59
-001260	-2.95	5.57	-8.84	8.53	-10.02	5.21	-10.98	2.18	-4.06	1.00
-001250	-3.39	4.25	-9.07	8.60	-9.14	7.94	-11.42	2.55	-4.50	2.18
-001240	-2.95	4.98	-9.14	9.27	-11.28	8.90	-12.38	2.03	-6.78	2.03
-001230	-3.54	6.90	-7.37	9.93	-13.29	8.23	-10.17	2.32	-5.90	2.92
-001220	-6.12	6.31	-7.37	8.16	-11.42	7.72	-9.73	2.18	-6.34	1.73
-001210	-6.93	4.69	-8.03	7.57	-8.84	7.86	-10.32	2.25	-5.82	2.47
-001200	-6.56	3.36	-7.96	8.23	-10.17	7.13	-12.60	1.00	-6.49	2.18
-001190	-4.13	3.88	-6.78	9.71	-12.38	4.98	-11.72	-.19	-4.94	3.21
-001180	-4.28	2.69	-7.96	7.57	-11.13	3.21	-11.50	-1.52	-4.65	3.21
-001170	-5.24	1.73	-9.21	4.02	-8.99	4.25	-10.76	-.33	-4.28	4.54
-001160	-6.63	.92	-7.81	3.36	-9.43	7.42	-11.57	.55	-5.31	4.17
-001150	-4.20	2.69	-5.01	6.68	-11.72	8.23	-12.82	-.48	-4.28	4.91
-001140	-3.84	2.69	-6.05	7.49	-12.01	6.76	-14.66	-3.21	-4.43	3.88
-001130	-5.01	1.88	-7.89	6.90	-10.39	6.90	-14.00	-1.29	-5.90	3.58
-001120	-6.86	.26	-8.18	6.24	-9.58	7.42	-13.71	1.00	-6.56	4.69
-001110	-5.75	1.00	-5.60	8.53	-9.95	6.90	-12.68	2.25	-4.28	6.46
-001100	-5.82	1.96	-4.94	8.31	-10.17	6.02	-12.09	1.73	-3.98	5.28
-001090	-5.46	3.51	-5.31	7.64	-9.58	6.31	-10.17	3.21	-5.24	2.92
-001080	-6.27	2.92	-7.15	6.53	-9.14	7.42	-10.54	4.54	-5.90	1.44
-001070	-4.87	3.58	-6.49	7.94	-10.17	6.90	-12.53	5.28	-4.57	.82
-001060	-2.66	3.36	-6.19	7.79	-10.83	6.90	-14.30	4.98	-4.57	-.78
-001050	-1.33	2.92	-6.05	8.09	-9.73	8.16	-12.09	6.09	-5.46	-1.81
-001040	-4.72	1.00	-7.15	6.76	-8.99	8.45	-11.79	5.06	-6.78	-3.21
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-001010	-4.06	3.51	-6.49	7.64	-11.35	4.54	-13.56	3.95	-3.47	-.19
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-3.39	4.69	-001500	8.10	11.02	-9.07	6.95	-5.75	3.21	0.00351	-6.70866299
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-2.80	4.54	-001480	6.78	8.21	-8.92	7.13	-5.95	2.50	0.00353	-5.82468367
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-5.16	1.81	-001460	9.13	11.46	-7.81	7.32	-7.08	2.40	0.00355	-5.01436949
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-4.43	1.22	-001440	6.56	9.83	-7.91	7.30	-7.25	2.20	0.00357	-6.78232813
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-7.30	2.47	-001420	6.34	10.28	-8.38	8.80	-8.45	2.50	0.00359	-7.4453125
-5.01	.55	-001410	6.41	10.57	-9.48	8.87	-7.30	1.66	0.0036	-6.04567862
-1.33	1.29	-001400	5.16	8.80	-8.92	8.77	-6.27	1.04	0.00361	-7.29798269
-2.73	.70	-001390	8.03	10.06	-7.57	8.60	-6.22	1.00	0.00362	-8.55028629
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-4.06	2.03	-001370	8.03	9.02	-9.61	6.71	-6.22	1.51	0.00364	-3.5410707
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-5.16	-1.07	-001190	10.39	8.06	-7.76	6.19	-7.27	.65	0.00382	-5.23536444
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-2.29	-2.77	-001160	6.85	6.73	-7.96	3.90	-6.39	.65	0.00385	-3.83573031
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-2.36	.26	-001140	8.99	10.79	-7.30	5.65	-7.15	.31	0.00387	-6.85599279
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-6.04567862	-9.7289257	-12.08620358	-5.45635891	-2.14143682
-7.15065289	-8.99227619	-11.79154396	-6.78232813	-2.58342648
-5.89834881	-10.68657017	-12.52819347	-5.45635891	-4.42504978
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-8.55028629	-8.99227619	-13.26484299	-5.45635891	-2.36243153
-6.78232813	-11.20222473	-13.04384804	-4.05672503	-2.95175099
-4.20405531	-13.85416222	-15.25379658	-1.92044199	-2.50976157

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5.42679167	7.34701777	9.19338894	4.98366261	0.40466216
6.16534042	5.79606628	8.38098621	6.23919535	0.99550092
7.05159855	6.9038887	7.93785667	4.68824339	0.70008153
7.93785667	9.93193722	8.67640495	3.94969487	2.39874315
6.68232441	10.30121231	9.41495323	2.98958182	2.02946877
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4.76209831	11.18747044	4.1712594	4.31896925	-1.8109833
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7.1993084	10.4489212	7.64243746	3.21114635	-0.11232179
4.09740448	8.45484066	7.64243746	3.94969487	1.36477518
4.31896925	7.42087269	6.0914855	5.13137245	1.29092038
7.1993084	8.08556652	6.23919535	3.72813034	1.14321065
9.04567909	10.15350246	7.86400175	3.3588562	3.43271089
5.72221136	9.26724434	8.30713081	3.43271089	4.24511433
3.72813034	8.8241148	6.60846949	4.83595324	4.02354956
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6.9038887	9.93193722	4.24511433	2.54645276	1.58633971
5.67450151	8.52869511	5.20522738	2.17717862	0.99550092
4.24511433	8.60255051	7.93785667	2.54645276	2.17717862
4.98366261	9.26724434	8.8979702	2.02946877	2.02946877
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4.68824339	7.56858253	7.86400175	2.25103331	2.47259784
3.3588562	8.23327637	7.12545347	0.99550092	2.17717862
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2.69416237	7.56858253	3.21114635	-1.51556396	3.21114635
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-000990	-4.72	2.69	-6.78	4.10	-11.20	4.84	-13.04	6.09	-4.06	-2.11
-000980	-6.49	2.32	-4.20	5.13	-13.85	4.10	-15.25	3.73	-1.92	.11
-000970	-7.08	1.51	-4.20	6.83	-12.01	4.47	-14.89	2.92	-1.63	1.00
-000960	-5.31	1.14	-7.96	6.02	-8.99	4.17	-12.97	3.73	-6.05	-1.81
-000950	-1.92	3.43	-8.18	5.57	-10.17	3.06	-10.76	4.98	-5.90	-1.66
-000940	-2.88	5.87	-6.63	5.13	-12.53	4.39	-11.64	1.66	-4.57	.55
-000930	-6.05	6.68	-5.16	6.09	-12.01	6.76	-11.72	-.92	-2.88	2.40
-000920	-7.37	4.84	-6.19	6.17	-9.66	6.46	-11.94	-1.37	-2.36	.11
-000910	-4.28	4.39	-6.19	7.72	-8.84	3.65	-11.79	1.44	-2.36	-2.77
-000900	-3.69	2.92	-7.37	8.38	-9.14	2.69	-13.19	2.55	-3.98	-2.77
-000890	-5.90	2.55	-8.55	8.16	-9.68	5.94	-12.31	2.47	-3.76	-.11
-000880	-8.03	3.29	-9.43	6.90	-11.35	8.45	-11.20	1.73	-3.39	-.41
-000870	-7.45	5.87	-7.37	7.64	-11.13	6.68	-10.47	3.65	-3.17	-2.03
-000860	-7.67	4.61	-6.49	8.23	-10.32	5.13	-11.35	5.21	-3.61	-3.29
-000850	-7.15	3.06	-7.00	8.53	-10.02	6.68	-10.02	6.31	-1.99	-1.81
-000840	-6.12	3.21	-9.43	6.76	-9.80	8.88	-9.58	5.13	-4.06	-1.96
-000830	-4.57	3.95	-9.36	6.90	-9.58	7.86	-8.99	4.10	-5.68	.48
-000820	-6.19	1.73	-9.21	7.49	-9.73	5.72	-11.50	3.29	-5.75	2.77
-000810	-6.05	.92	-6.93	10.01	-9.29	6.09	-11.64	4.47	-3.17	3.21
-000800	-4.94	2.69	-7.96	8.97	-7.67	8.82	-11.20	4.25	-4.28	.04
-000790	-3.91	6.02	-9.21	8.53	-8.55	8.45	-10.02	4.10	-4.43	-.11
-000780	-5.31	6.17	-11.13	7.79	-12.09	5.87	-12.60	2.18	-4.72	1.29
-000770	-5.97	6.17	-9.73	8.23	-14.44	6.17	-13.71	2.25	-5.01	1.59
-000760	-5.46	7.20	-8.84	8.09	-12.97	9.12	-13.12	1.22	-7.59	-1.37
-000750	-5.24	7.79	-8.70	7.94	-11.20	10.15	-10.98	.85	-5.53	-1.15
-000740	-6.12	4.98	-9.88	7.64	-11.42	9.86	-11.64	-.48	-3.84	.26
-000730	-6.63	3.65	-7.96	9.05	-12.01	10.01	-11.79	1.59	-2.80	1.00
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-000710	-6.05	6.76	-8.62	8.97	-11.50	7.94	-11.50	1.73	-2.07	-1.22
-000700	-4.43	6.83	-10.02	9.19	-11.79	6.24	-11.28	-.78	-2.44	-.63
-000690	-4.06	6.02	-8.11	9.86	-12.53	6.46	-10.47	-.92	-2.22	.26
-000680	-6.49	5.43	-7.96	8.97	-13.34	7.86	-11.13	-.78	-2.66	-1.22
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-000650	-2.88	5.50	-5.53	7.79	-11.72	7.72	-9.66	-1.66	.22	-1.74
-000640	-3.47	5.43	-3.84	6.76	-9.29	7.20	-9.36	-.78	-.89	-6.09
-000630	-3.91	5.13	-5.90	6.17	-9.66	6.76	-9.14	.33	-1.33	-11.26
-000620	-4.35	3.65	-9.07	5.50	-11.50	7.27	-11.87	-.63	-1.04	-10.53
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-000600	-5.01	3.06	-6.34	6.61	-12.53	5.72	-10.76	-1.88	-2.88	1.51
-000590	-4.13	2.92	-7.37	6.98	-12.09	4.84	-9.36	-1.29	-5.16	-.11
-000580	-3.39	1.22	-10.02	8.23	-13.12	5.57	-12.82	.33	-6.34	-3.95
-000570	-2.51	1.73	-9.14	11.04	-13.93	6.09	-13.49	2.84	-4.13	-6.76
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-000550	-5.53	.70	-7.67	5.94	-14.08	5.87	-10.02	3.21	-1.63	-4.40
-000540	-5.75	4.39	-8.77	3.95	-13.71	4.10	-11.35	2.62	-3.54	2.92
-000530	-7.45	12.07	-9.88	11.19	-12.68	4.39	-11.50	2.92	-2.66	7.94
-000520	-7.96	12.07	-11.50	19.83	-12.68	12.66	-11.35	2.77	-4.72	4.47
-000510	-3.47	.77	-7.67	18.87	-11.79	20.49	-9.80	4.69	-6.27	-.48
-000500	-1.48	-8.31	-5.16	5.21	-8.40	12.96	-10.47	5.87	-5.09	-2.77
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-2.95	3.73	- .000990	9.28	4.30	-7.57	3.88	-6.68	2.57	0.00402	-7.07688774
-2.51	4.91	- .000980	8.84	4.89	-8.18	3.85	-6.56	2.92	0.00403	-5.3090291
-4.57	2.84	- .000970	10.39	6.66	-7.76	4.27	-7.03	2.25	0.00404	-1.92044199
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-5.53	4.10	- .000900	10.46	6.73	-6.73	4.66	-7.57	1.29	0.00411	-8.03463173
-5.31	3.43	- .000890	12.23	8.36	-8.11	5.55	-7.13	1.93	0.00412	-7.4453125
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-5.53	3.43	- .000870	11.34	6.81	-8.65	6.73	-6.39	1.68	0.00414	-7.15065289
-5.46	3.73	- .000860	11.49	3.56	-8.16	5.99	-6.81	1.88	0.00415	-6.11934376
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-2.14	-2.25	- .000840	8.99	3.78	-8.45	6.21	-5.26	.31	0.00417	-6.19300842
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-2.36	-2.25	- .000820	8.84	2.60	-8.38	4.98	-6.54	1.27	0.00419	-4.94070435
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-5.16	-2.99	- .000800	8.18	5.26	-6.86	6.83	-6.88	.43	0.00421	-5.3090291
-4.94	-2.55	- .000790	8.40	4.81	-7.22	7.67	-6.46	.48	0.00422	-5.97201347
-3.39	-.63	- .000780	8.03	1.71	-9.51	6.61	-6.91	.95	0.00423	-5.45635891
-4.28	-1.22	- .000770	9.13	1.86	-10.05	6.85	-7.67	.87	0.00424	-5.23536444
-4.43	-.70	- .000760	8.55	2.89	-9.09	8.13	-8.38	-.28	0.00425	-6.11934376
-4.50	.11	- .000750	8.62	4.59	-8.38	8.63	-7.00	-.06	0.00426	-6.63499832
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-000470	-6.12	13.18	-9.95	22.04	-11.50	17.69	-10.32	1.66	-5.60	-12.52
-000460	-2.14	12.37	-7.81	17.39	-13.12	23.74	-12.53	1.88	-2.73	-12.74
-000450	-.01	7.20	-2.88	8.90	-11.13	12.15	-12.97	3.95	.51	-6.98
-000440	-4.35	.55	-.89	4.10	-7.67	.77	-12.60	3.65	-1.85	-1.15
-000430	-9.58	2.92	-5.31	6.61	-8.26	-.63	-9.36	1.73	-5.16	4.54
-000420	-11.57	9.41	-13.12	12.00	-13.19	4.25	-8.84	-3.29	-7.74	9.34
-000410	-5.46	9.41	-11.64	16.65	-16.51	8.82	-9.88	-8.61	-6.78	9.86
-000400	-.30	-2.11	-4.20	10.15	-13.56	9.19	-11.87	-12.00	-5.46	5.28
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-000380	-7.08	-9.05	-8.99	-4.77	-10.47	-11.12	-12.68	-7.28	-2.80	11.63
-000370	-7.67	-2.33	-10.32	4.61	-13.04	-10.67	-13.49	-2.33	-2.80	13.92
-000360	-5.68	-4.54	-6.86	6.46	-12.23	-2.99	-13.12	-1.22	-4.72	9.71
-000350	-3.98	-6.54	-4.94	-3.14	-7.96	-3.36	-9.95	-.63	-6.34	4.17
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-000300	-9.73	-10.60	-7.67	-.92	-7.30	-.41	-9.51	5.13	-5.53	1.44
-000290	-6.41	4.32	-11.79	6.98	-7.96	-2.11	-10.61	7.94	-2.51	1.59
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-000200	-7.22	2.99	-10.10	-3.73	-5.60	-9.42	-19.45	.11	-5.60	9.27
-000190	-14.96	8.97	-11.94	-2.03	-7.67	-22.05	-18.64	-3.14	-5.82	6.24
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-000170	-5.97	13.99	-11.50	17.98	-18.42	-3.44	-15.11	-8.01	-4.94	-1.81
-000160	-3.69	9.41	-10.02	13.70	-14.89	10.30	-12.23	-8.38	-1.92	2.18
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-000090	12.37	-16.43	3.53	.40	-5.31	21.38	3.45	16.36	6.40	21.45
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-000050	37.56	21.31	36.39	3.36	29.83	41.91	27.40	30.61	34.99	28.25
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23.00424576	18.57295418	30.02045631	31.42369843	29.06034279
21.30558395	3.3588562	41.91108704	30.6112957	28.24794006
17.39127731	18.64681053	37.77521515	28.9126339	32.01453781
23.225811	46.19466782	23.66893959	34.52560043	40.21242523
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39.4000206	40.06471634	48.55802536	37.03666687	43.38818359
45.01298904	35.11643982	65.98777008	33.63934326	43.75745773
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35.48571396	40.28628159	61.4087677	55.27881622	50.18283081
37.92292404	35.55957031	54.1709938	64.58452606	53.72786331
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8.23327637	20.92118645	30.36624908	-11.52143955	-9.23782635	-5.03597879	3.77736712
9.56266308	23.27846527	27.78133011	-13.87871742	-10.1709156	2.02946877	0.9955008
9.19338894	18.41657829	16.62924767	-11.9634285	-7.76452732	9.51342678	-0.21079497
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4.68824339	26.81438255	5.69872999	3.53076366	6.67380142	1.7832855	14.16628265
6.9038887	28.58234024	11.68097305	9.84139347	9.52217865	8.38098526	18.72066498
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6.60846949	42.65234375	37.67787933	24.05872726	21.03846359	23.86588478	22.36417007
13.92009926	47.95621872	46.76202393	34.59281158	31.59710693	22.19184303	24.25977898
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27.73095703	62.83653641	43.43855667	58.26381683	56.81507111	31.02980614	34.15632629
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34.0086174	99.00602722	69.14004517	88.49099731	93.32833099	42.67425537	38.14448929
36.37197495	130.3872833	74.53144836	106.8090134	108.8506348	48.70573425	37.92292404
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	000030		165.08	37.92	141.28	35.56	147.18	54.17	119.92	64.58	139.00	53.73
	000040		175.39	43.68	158.96	34.75	155.28	51.22	132.15	67.46	149.90	59.49
	000050		185.48	46.93	169.57	47.38	162.35	54.02	143.94	69.53	158.67	60.67
	000060		195.94	52.18	173.70	64.36	177.90	60.67	159.04	71.97	177.38	56.83
	000070		208.17	66.36	194.18	75.59	205.23	77.58	190.20	77.95	212.15	66.14
	000080		225.11	77.80	230.83	78.99	234.69	100.99	226.96	85.49	247.21	85.85
	000090		255.17	77.80	263.27	83.71	255.17	113.40	256.64	91.62	272.85	103.28
	000100		288.39	76.70	276.31	92.06	271.08	110.82	278.37	94.35	290.82	110.89
	000110		306.59	93.61	286.40	100.85	288.47	102.92	302.46	101.59	308.21	118.57
	000120		315.28	116.95	303.35	98.26	304.08	99.37	325.67	111.33	326.55	127.44
	000130		337.82	122.49	321.47	88.00	316.02	100.92	347.55	119.90	350.35	133.34
	000140		368.32	113.11	331.56	81.94	334.21	100.48	368.76	124.78	376.35	132.90
	000150		385.26	117.39	350.42	94.50	365.23	102.03	390.42	132.31	402.57	130.83
	000160		385.85	132.16	380.92	120.12	395.72	114.51	408.84	140.66	430.57	127.73
	000170		393.81	136.74	409.42	142.35	405.96	137.70	432.04	149.44	461.43	130.54
	000180		422.68	134.60	425.12	146.49	407.29	159.41	462.68	160.00	490.16	141.17
	000190		459.37	136.59	441.54	140.06	427.84	161.85	500.92	175.96	526.85	159.49
	000200		477.79	135.26	460.40	137.33	462.91	150.55	543.35	192.06	572.22	181.50
	000210		481.84	132.46	478.15	150.33	477.20	148.34	582.61	202.77	603.97	205.43
	000220		493.62	143.83	495.02	166.13	475.35	162.66	605.82	207.94	608.17	224.78
	000230		518.01	170.12	516.39	168.13	492.15	178.47	624.16	214.44	612.52	236.44
	000240		537.68	181.64	533.82	155.80	529.87	187.85	658.19	216.42	645.74	237.18
	000250		549.24	175.00	544.16	149.15	555.72	183.27	704.89	216.06	703.42	226.33
	000260		560.59	169.53	555.13	153.80	562.21	165.91	740.70	210.74	756.75	208.01
	000270		577.53	174.11	571.19	156.68	565.45	151.07	765.15	210.00	781.58	197.89
	000280		590.35	172.56	582.91	149.44	574.43	150.63	789.68	207.35	777.31	201.73
	000290		598.82	163.33	591.08	144.57	586.96	160.30	799.19	205.13	771.41	218.65
	000300		604.27	160.15	598.15	152.40	587.03	169.16	782.32	213.33	780.11	237.33
	000310		614.51	174.11	597.86	170.86	570.75	176.40	783.86	238.07	805.45	256.75
	000320		634.77	184.60	590.64	182.24	559.85	186.96	821.95	261.56	830.79	271.90
	000330		650.01	175.15	591.52	176.55	563.97	194.42	854.58	274.33	844.78	277.43
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	000420		597.93	214.66	602.80	200.55	596.83	207.49	889.87	258.90	875.28	239.55
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	000470		604.93	193.98	620.40	197.38	622.46	198.11	806.77	203.06	814.21	197.67
	000480		601.98	207.20	608.91	182.53	631.23	205.57	760.59	188.22	789.09	202.18
	000490		590.71	212.22	590.64	172.63	622.68	193.24	732.52	175.51	756.68	194.57
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129.94	51.22	.000030	203.76	74.09	151.18	42.55	129.62	56.51	0.00504	185.4831896
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373.33	139.69	.000140	563.76	161.31	344.70	98.51	372.81	132.46	0.00515	385.8518066
391.89	143.39	.000150	593.15	180.14	366.97	104.64	394.96	135.51	0.00516	393.8076172
422.17	140.43	.000160	618.86	212.94	387.50	122.27	420.52	136.27	0.00517	422.6842651
457.68	128.03	.000170	663.21	256.21	403.06	138.93	450.38	136.00	0.00518	459.3694153
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861.21	282.97	.000330	1513.15	311.83	601.84	182.04	853.53	278.25	0.00534	589.0197144
874.32	281.13	.000340	1505.64	359.69	601.35	170.98	855.10	276.33	0.00535	570.0141602
880.73	276.77	.000350	1486.19	385.46	592.70	170.25	852.27	271.23	0.00536	598.8908081
888.54	272.19	.000360	1454.29	380.88	590.20	179.65	863.99	264.88	0.00537	640.4378662
898.63	266.13	.000370	1424.31	358.28	603.88	187.63	887.19	262.22	0.00538	648.9093018
907.25	272.78	.000380	1418.57	327.71	622.51	189.60	900.50	270.15	0.00539	619.6643066
905.78	288.59	.000390	1424.09	308.36	626.76	189.01	898.90	283.81	0.0054	594.5445557
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881.17	239.25	.000430	1297.61	302.00	607.26	209.00	872.04	238.78	0.00544	606.1099854
857.16	234.08	.000440	1262.03	259.09	608.03	196.37	855.64	232.09	0.00545	602.279419
838.45	220.34	.000450	1168.99	229.11	606.65	184.87	845.32	220.25	0.00546	604.9313355
832.48	204.39	.000460	1074.62	184.80	610.46	187.01	834.99	206.44	0.00547	601.9847412
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792.78	189.18	.000480	1028.29	66.04	614.04	198.43	780.82	193.19	0.00549	570.6034546
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727.44	164.21	.000500	946.15	181.10	580.92	186.79	724.78	167.14	0.00551	547.1780396
703.94	148.78	.000510	908.14	188.05	564.22	181.77	704.33	156.90	0.00552	549.6089478
676.30	144.94	.000520	898.93	114.86	556.95	175.24	676.73	159.86	0.00553	546.6623535
647.07	147.52	.000530	894.96	53.63	554.03	173.15	643.88	168.57	0.00554	533.6236572

169.5715332	162.3523712	143.936142	158.6691284	154.1755676
173.6967773	177.8956757	159.0374603	177.3800201	171.7814941
194.1756287	205.2253723	190.1977234	212.1498718	200.5844879
230.934433	234.6913452	226.9565277	247.214386	238.8165894
263.273346	255.1701965	256.6434937	272.8497925	271.9658203
276.3120422	271.0818176	278.3746643	290.8240356	295.5385742
286.4041443	288.4667664	302.4631043	308.2089539	314.3968201
303.3470764	304.0837097	325.6675415	326.5515442	336.7909546
321.4886585	316.0174561	347.546051	350.3453064	356.4595032
331.5607605	334.212677	368.7615356	376.3490295	373.3287659
350.4189756	365.2256165	390.4190369	402.573761	391.892334
380.9162598	395.7229004	408.8352661	430.5664368	422.1686096
409.4245911	405.9623413	432.0397339	461.4320374	457.6751099
425.1152344	407.2882996	462.6843262	490.161377	491.4873352
441.542511	427.8408203	500.9164429	526.8464966	519.3327026
460.4007263	462.9053345	543.3474731	572.2241211	552.8502197
478.1539917	477.1963196	582.6108398	603.9736939	591.4506836
495.0232544	475.3547058	605.8153076	608.1726074	623.3475952
516.3861084	492.1503296	624.157898	612.5188599	643.0897827
533.918335	529.8667603	658.1911011	645.7416992	666.8098755
544.1577759	555.7231445	704.8946533	703.4213867	700.5957398
555.1338501	562.2056885	740.6958008	756.7547607	751.8192139
571.1928101	565.4469605	765.1525879	781.579895	802.7953491
582.9055176	574.434082	789.6829834	777.307312	827.7677612
591.0923364	586.9570923	799.185791	771.4141235	821.2852783
598.1541746	587.0307617	782.3165283	780.1065674	811.9298096
597.8594971	570.7507935	783.8634644	805.4473267	820.032959
590.6403198	559.8483887	821.9482422	830.7880249	841.6168213
591.524292	563.9736328	854.5818481	844.7843628	861.2116699
598.2278442	574.434082	846.699707	844.2687378	874.3240356
601.5427246	587.5463867	831.0090332	845.0790405	880.7329102
599.7747803	600.8060913	845.3000488	858.1177368	888.5413818
607.1412964	605.5942993	883.4584961	879.4805908	898.6334839
617.7490234	609.3512573	907.4732666	886.7733765	907.2522583
616.7177124	614.6550903	906.8102417	884.12146	905.7789307
603.1633911	611.5611572	899.00177	884.12146	902.8323364
598.3015137	600.5114746	897.8231201	884.7108154	901.211731
602.795044	598.828186	889.8673096	875.2816773	897.6758423
607.583252	600.2167969	869.5358276	865.4105835	881.1748657
607.2886353	601.9847412	850.8248901	858.9280396	857.1600952
610.5298462	603.31073	845.3737183	852.1508789	838.4492188
618.1173706	610.9718628	836.3885967	836.091919	832.4823608
620.401001	622.4636231	806.7732544	814.2134399	821.7272339
608.9092407	631.2297363	760.5853882	789.093689	792.7769165
590.6403198	622.6845703	732.519043	756.6810913	755.2814941
577.159868	594.9865723	731.0457153	715.8707275	727.4361572
571.1928101	567.5831909	723.3845825	685.6680908	703.9370117
563.9736328	559.7010498	682.5005493	669.3881836	678.3016357
550.1246336	562.3530273	630.7877197	653.7711792	647.067688
530.6033936	559.2590942	587.3254395	617.9700317	613.9921265
512.1135254	539.6641846	555.9441528	571.9294434	580.7692261

46.93321609	47.37634659	54.0232811	69.53279877	60.67021942
52.1769104	64.36296082	60.67021942	71.97000885	56.82976532
66.35704041	75.58889771	77.58297729	77.95225525	66.13547516
77.80454254	78.98622131	100.9949646	85.48545074	85.85472107
77.80454254	83.71292877	113.4025803	91.61540222	103.2844696
76.69672394	92.05853271	110.8176575	94.34803009	110.8915176
93.60948181	100.8472595	102.9151917	101.5858078	118.5724182
116.9476166	98.26233673	99.37016296	111.3346481	127.4350052
122.4867249	87.99651337	100.9211121	119.9018097	133.3433838
113.1071625	81.94041443	100.4779816	124.7762299	132.9002533
117.3907394	94.4957428	102.0289307	132.3094177	130.9323212
132.1617127	120.1233749	114.5104065	140.655014	127.730423
136.7407074	142.3536835	137.7008209	149.4437408	130.536911
134.5989227	146.4895477	159.4141541	160.0049896	141.1719971
136.5930023	140.0641785	161.8513641	175.9576416	159.4880066
135.2636108	137.3315582	150.5515747	192.0579987	181.4967499
132.4571381	150.3300018	148.3359222	202.7669525	205.4257202
143.83078	166.1349487	162.6637573	207.9367828	224.7756958
170.1231079	168.1290283	178.4687042	214.4360199	236.4447632
181.644455	155.7952576	187.8482666	218.4241791	237.1833038
174.9975281	149.1483307	183.2692719	216.0608215	226.3266449
169.5322723	153.801178	165.9133759	210.7432709	208.0106354
174.1112671	156.6815186	151.0685577	210.0047302	197.8925324
172.560318	149.4437408	150.6254273	207.3459473	201.7329865
163.3284607	144.5693207	160.300415	205.1303101	218.6457367
160.1526947	152.397934	169.1629944	213.328186	237.3310242
174.1112671	170.8616486	176.4007721	238.0695648	256.7548523
184.5986481	182.2353058	186.9620056	261.5554199	271.8950806
175.1452332	176.5484772	194.4213562	274.3323059	277.4342041
158.8233185	162.4421997	191.6887207	279.7975464	268.0546265
159.783432	163.5500183	187.4051361	284.4504089	252.4712677
178.6902618	171.8956146	188.3652496	282.0132141	240.4329224
199.8127594	174.9236755	188.143692	276.3263855	244.1995239
210.8171234	174.7759552	183.1954193	277.5080566	260.1521606
211.8510895	176.2530518	178.9118347	287.7000122	275.1447144
207.7890778	176.3269043	163.8601074	291.3927612	271.8950806
209.7093048	184.6725159	197.0052714	279.3544312	255.5731659
214.6575775	200.5513001	207.4936523	258.896637	239.5468614
206.6812592	211.4818268	208.8230438	247.6707001	229.4285431
180.6104889	208.6014862	199.8886119	245.3811951	216.7993622
164.6578522	205.0564423	184.8940735	239.1035309	201.289856
173.2250061	204.3917542	183.4169769	221.7476502	193.1658173
193.9782257	197.3755493	198.11409	203.0623627	197.6709595
207.1982422	182.5307159	205.5734253	188.2175446	202.1761017
212.2203674	172.6341705	193.2396698	175.5145111	194.5690613
212.29422	166.2826538	181.7921753	163.1807556	174.0374146
211.0386963	153.4319153	180.8320618	159.9311371	161.9990692
200.1820221	147.0065308	178.5425568	164.6578522	169.9753876
185.4110565	164.8794098	169.1629944	173.5204315	184.6725159
176.1791992	189.6207886	167.0950623	183.7124023	187.8482666
182.3830109	196.6369934	182.9738464	196.710846	189.8423462

67.83413696	205.3045349	70.02630615	172.4690247	152.2602844	49.44428253	66.01238251
70.78833008	208.1774597	90.48409271	182.5120087	169.3996582	59.07003021	66.52936554
79.65091705	215.1019745	118.2535172	202.5243225	200.977356	73.17630768	74.5795517
95.75127411	246.0412445	131.5473938	230.2468872	237.6625061	85.92857361	89.03047943
106.09095	311.5293884	130.3657074	257.8712463	267.1530457	91.64001465	100.3302765
108.2327423	388.2145691	132.5813599	278.5956421	288.2457581	93.19097137	104.4907608
109.2667084	446.1152344	139.9688427	293.8197327	308.3562927	99.12397766	109.8083115
119.754097	488.1042481	147.6477509	307.5705261	329.8700134	104.8600388	119.5079193
131.1277466	527.3676758	152.8175812	325.1027832	351.4502869	103.8014526	128.1243134
139.6949005	563.7581177	161.3108978	344.6976624	372.8131104	98.50852203	132.4571228
143.3376495	593.1504517	160.1438751	366.9690247	394.9617004	104.6384735	135.5097961
140.4334564	618.8594971	212.9354401	387.4969788	420.5234375	122.2651672	136.2729645
128.0258484	663.2058106	256.214386	403.0648499	450.3822937	138.9317322	136.0021668
127.8781281	746.8154907	293.4372253	418.3626099	481.4443359	146.8342133	143.0183716
153.284195	837.7180786	296.8345337	442.917572	515.6985474	146.1695099	162.9099426
188.2175446	889.578186	265.7416382	467.0305786	556.140625	141.0489197	187.257431
199.3696289	918.1601563	236.2735748	479.0625	592.6784058	143.7076874	202.5207672
190.8024597	981.4383545	250.0105743	488.0005188	612.4451904	157.5431671	207.8383179
187.5528565	1071.972534	290.5568848	508.8477173	626.5888672	172.2402802	212.8112183
199.517334	1137.828979	319.0648499	533.8201294	656.9142456	175.095993	218.374939
210.0785828	1172.230591	335.5344849	549.7072144	703.0039063	169.138382	217.488678
211.1864014	1220.628418	365.076416	559.3081665	749.7565918	163.0822754	209.9801025
203.8747711	1304.827393	392.6981506	571.3892212	783.1759644	160.6204529	203.9240112
201.6591187	1403.685791	386.3466187	582.5617676	798.2526856	157.5431671	203.5793457
212.6634979	1481.107666	351.1917114	592.2855225	797.295044	156.0660706	212.1465149
234.6722412	1514.698853	309.9807129	596.484436	791.4509868	160.5712128	228.4438171
256.6071472	1515.067139	277.5584412	594.3726807	803.114563	173.7912293	250.4771881
275.0708313	1513.520264	276.0074768	595.0847778	831.4510498	184.5986481	269.5071106
282.9733276	1513.151855	311.8270874	601.8374023	853.5259399	182.0383606	278.2466126
281.1269531	1505.638062	359.6850281	601.3463135	855.0974731	170.9847412	276.3263855
276.7895007	1486.190552	365.4603577	592.7029419	852.2736816	170.2462006	271.2304077
272.1904907	1454.293579	360.8813477	590.1983643	863.9863892	179.6503754	264.8788757
266.1343994	1424.312012	358.2817688	603.8754883	887.1908569	187.626709	262.2200928
272.7313416	1418.566162	327.7058716	622.5126953	900.4996338	189.5961609	270.1471863
288.5862732	1424.090942	308.355896	626.7606812	898.9035645	189.0053253	283.8103333
291.6981714	1400.37085	320.3942261	611.4629517	895.3185425	189.3253632	284.9920044
270.787262	1344.31189	344.2493591	597.7858276	894.5819092	197.129364	268.5716248
249.2216492	1307.700317	342.5506897	599.1854858	887.8082764	207.5675049	249.2216492
239.251236	1297.608276	302.0043945	607.2640381	872.0404053	208.9953766	238.783493
234.0814056	1262.028076	259.0947266	608.0252686	855.6376953	196.3661957	232.0873261
220.3444061	1168.989258	229.1096497	606.6502075	845.324565	184.8694611	220.2459259
204.3917542	1074.624512	184.7997377	610.4562378	834.9869385	187.0112457	206.4350739
193.3873749	1035.508423	110.4249039	615.9320068	814.2379761	196.4892883	198.0402374
189.1776581	1028.289307	66.03813934	614.0412598	780.8186646	198.4341278	193.1904293
180.3150787	999.1915894	106.7321625	601.3463135	748.1605225	192.6980743	183.466217
164.2147217	946.152832	181.1039887	580.9165649	724.7841797	186.7896881	167.1443024
148.7790527	908.1417236	188.0463562	564.2191773	704.329895	181.7675629	156.9030914
144.9385986	898.9335938	114.8561935	556.9509277	676.7301025	175.2436981	159.8572846
147.5235136	894.9556885	53.6305275	554.0288696	643.8755493	173.1511536	168.5721588
153.8750305	862.8377686	62.5639632	545.5083008	606.4291992	177.6316834	175.1452332
165.7856708	799.7805786	84.4280014	528.4671021	569.5476074	187.3312836	184.1062927

000540	546.66	176.18	530.60	189.62	559.26	167.10	587.33	183.71	617.97	187.85
000550	533.62	182.38	512.11	196.64	539.66	182.97	555.94	196.71	571.93	189.84
000560	513.00	196.71	501.36	184.89	508.58	202.18	530.97	205.72	537.16	198.85
000570	492.37	204.10	501.51	182.38	479.70	210.96	514.03	210.37	517.12	207.35
000580	472.41	194.94	497.53	196.93	455.17	214.58	495.61	210.82	493.70	203.65
000590	460.62	179.28	478.86	207.94	433.14	221.82	471.60	213.40	467.03	196.64
000600	467.03	170.12	450.53	196.05	426.22	227.73	450.01	215.91	438.45	195.68
000610	477.64	173.00	434.84	178.99	441.17	222.49	443.24	215.62	408.47	206.31
000620	467.91	176.33	435.58	175.74	455.83	213.11	441.10	209.27	379.96	222.41
000630	449.35	177.07	436.98	189.40	445.23	216.21	436.68	213.03	364.86	233.34
000640	438.89	180.17	421.65	205.20	416.86	225.81	424.01	227.36	354.54	225.22
000650	432.48	191.39	400.00	210.82	394.10	222.78	399.85	235.71	337.67	209.12
000660	420.18	191.91	387.47	202.18	391.74	208.75	360.44	228.17	310.05	205.28
000670	408.69	169.31	387.47	193.54	398.01	194.94	320.07	215.47	283.60	217.24
000680	397.49	152.25	388.80	193.76	402.50	196.12	306.66	207.20	261.87	225.29
000690	387.10	178.03	379.22	203.36	402.35	213.85	321.32	204.61	241.91	221.08
000700	375.69	223.52	361.84	212.52	393.59	233.64	327.36	204.54	221.06	216.65
000710	367.44	243.98	349.17	214.44	373.33	233.56	302.46	214.66	204.12	224.70
000720	360.29	232.75	337.67	204.98	356.53	214.88	265.04	236.59	193.59	234.23
000730	352.56	217.61	322.79	192.43	342.98	192.57	245.30	250.92	195.21	231.50
000740	347.40	208.53	310.27	189.55	321.17	180.46	231.82	236.66	201.03	217.69
000750	348.28	204.91	308.06	197.15	292.74	185.85	204.64	215.47	197.42	209.64
000760	335.98	204.39	311.23	203.36	277.27	201.29	166.04	201.81	177.90	205.94
000770	312.33	211.04	315.28	206.98	277.86	205.87	137.38	203.58	167.07	206.90
000780	290.68	214.14	320.29	206.16	275.80	199.15	128.98	206.09	175.98	215.62
000790	277.93	208.53	316.53	195.68	258.56	197.82	139.00	202.47	186.06	224.92
000800	267.69	193.90	288.47	177.07	244.93	203.65	152.70	191.54	187.62	216.43
000810	257.16	172.93	251.34	167.76	245.45	202.32	163.09	180.91	189.09	198.04
000820	246.33	155.57	229.02	171.01	245.37	193.54	165.00	168.28	197.71	183.12
000830	243.31	163.70	227.03	171.45	236.02	184.67	162.87	157.79	202.06	174.85
000840	243.75	192.43	232.26	161.33	227.25	180.32	161.54	149.96	194.91	185.32
000850	234.54	211.19	236.68	161.26	227.84	182.16	170.53	139.40	190.86	150.48
000860	215.69	192.35	229.53	174.11	237.34	192.87	184.30	121.75	195.35	123.08
000870	209.72	154.02	215.02	180.61	243.24	205.72	189.09	114.66	199.18	93.46
000880	211.19	135.56	205.23	169.31	234.10	209.86	178.93	127.95	183.13	77.21
000890	203.31	149.59	206.40	152.10	217.16	200.99	162.72	145.60	155.28	81.35
000900	191.82	161.11	210.53	143.24	211.04	185.56	144.97	132.16	130.16	77.58
000910	196.46	153.73	213.03	148.11	217.53	170.34	121.98	80.46	108.80	42.95
000920	204.64	138.07	212.37	151.88	219.88	163.77	92.81	23.82	83.31	-6.39
000930	200.95	128.17	206.63	139.69	205.74	163.70	68.13	-11.12	59.66	-31.57
000940	189.02	128.69	194.76	124.48	186.07	164.81	60.47	-15.47	48.02	-6.91
000950	182.98	144.86	178.19	126.40	172.52	161.48	82.20	37.41	67.62	74.55
000960	176.94	149.30	155.35	121.75	167.36	152.99	127.44	140.43	118.01	177.95
000970	159.85	124.55	129.13	82.09	157.20	133.12	185.04	246.56	185.56	267.32
000980	124.93	88.88	100.84	26.70	131.41	98.04	246.48	337.18	250.09	334.45
000990	92.81	71.60	71.67	-4.91	95.02	52.55	284.05	393.90	289.20	387.33
001000	75.87	58.53	48.25	.26	65.78	23.74	275.80	412.07	286.17	426.47
001010	78.45	52.40	41.17	37.04	50.31	38.00	253.18	420.05	272.11	451.81
001020	95.91	79.13	59.37	85.19	57.82	88.44	251.78	437.99	268.72	455.06
001030	121.84	133.93	104.30	129.50	93.18	142.87	267.91	451.81	279.26	436.81
001040	134.43	158.45	146.81	160.97	132.89	182.38	274.25	434.38	283.09	408.67

613.99	153.88	.000540	862.84	62.57	545.51	177.63	606.43	175.15	0.00555	512.9974976
580.77	165.77	.000550	799.78	84.43	528.47	187.33	569.55	184.11	0.00556	492.3713074
554.69	177.80	.000560	754.48	56.88	507.64	194.59	540.94	194.13	0.00557	472.4081116
530.09	179.06	.000570	751.38	22.98	491.19	199.15	520.41	198.93	0.00558	460.6217346
493.55	176.92	.000580	766.12	72.09	475.04	202.15	494.29	197.13	0.00559	467.0305786
446.04	179.72	.000590	777.31	166.78	457.58	203.01	461.55	196.59	0.0056	477.6383362
420.99	188.44	.000600	778.27	193.29	447.93	197.97	436.48	200.01	0.00561	467.9145508
427.77	195.31	.000610	754.18	151.93	451.22	191.49	426.49	205.75	0.00562	449.3509827
427.25	197.97	.000620	703.13	127.63	453.11	188.39	416.10	209.88	0.00563	438.890564
380.84	195.23	.000630	645.31	137.46	443.85	194.22	394.13	213.87	0.00564	432.48172
318.96	191.76	.000640	610.31	162.71	425.80	203.73	365.84	214.78	0.00565	420.179657
281.39	186.37	.000650	592.05	190.41	408.86	208.33	339.64	210.40	0.00566	408.6879273
269.17	192.21	.000660	580.19	203.85	399.80	200.95	313.22	208.55	0.00567	397.4908752
253.25	212.89	.000670	580.33	188.19	398.06	185.93	285.64	215.20	0.00568	387.104126
233.00	232.38	.000680	588.44	157.84	396.26	180.71	267.18	221.62	0.00569	375.6860352
222.76	232.60	.000690	584.16	137.31	389.56	198.41	262.00	219.43	0.0057	367.4355774
231.60	232.46	.000700	568.10	147.72	377.04	223.22	260.01	217.88	0.00571	360.2900696
241.69	249.81	.000710	556.02	207.54	363.31	230.66	249.42	229.72	0.00572	352.5552673
241.91	271.97	.000720	551.97	304.52	351.50	217.54	233.51	247.60	0.00573	347.3987122
234.18	272.34	.000730	539.67	370.02	339.44	200.87	224.89	251.59	0.00574	348.2826843
224.60	250.48	.000740	516.61	354.74	326.28	192.85	219.15	235.61	0.00575	335.9806519
210.23	220.05	.000750	498.34	263.38	316.36	195.97	204.10	215.05	0.00576	312.334198
195.50	200.55	.000760	503.28	167.59	308.16	203.01	179.81	202.77	0.00577	290.6766968
185.48	202.32	.000770	511.09	138.56	301.82	207.96	163.31	204.27	0.00578	277.9326782
188.72	219.61	.000780	493.11	159.98	295.59	206.48	164.56	213.77	0.00579	267.6932373
206.40	225.07	.000790	460.33	160.13	284.34	200.67	177.82	217.49	0.0058	257.1591492
225.70	204.83	.000800	438.01	112.20	267.03	191.54	188.68	204.27	0.00581	246.3304138
225.34	174.55	.000810	419.74	49.27	251.32	181.00	192.51	184.50	0.00582	243.3101502
210.31	159.78	.000820	394.77	26.38	240.24	173.37	191.01	170.39	0.00583	243.7521362
199.48	157.27	.000830	370.98	55.33	235.45	173.27	188.14	163.30	0.00584	234.5440216
200.44	155.65	.000840	363.76	77.34	234.42	178.03	185.63	156.98	0.00585	215.685791
197.86	138.07	.000850	362.21	49.20	233.02	184.87	186.42	142.65	0.00586	209.7189331
191.23	108.60	.000860	369.80	43.44	227.52	186.45	190.30	117.81	0.00587	211.1922302
187.25	86.67	.000870	395.43	124.46	222.66	180.12	191.84	98.26	0.00588	203.3100891
186.07	86.81	.000880	429.47	253.41	216.84	171.58	182.71	97.33	0.00589	191.8183594
173.99	94.50	.000890	458.71	358.80	208.96	167.56	164.00	107.15	0.0059	196.4592438
147.10	89.84	.000900	489.43	410.05	204.46	163.30	140.74	99.86	0.00591	204.6360474
106.37	61.04	.000910	511.75	408.44	209.01	157.40	112.38	61.48	0.00592	200.9528046
70.71	25.37	.000920	506.82	386.35	212.30	151.24	82.28	14.26	0.00593	189.0190888
57.75	11.85	.000930	479.12	395.28	204.44	143.86	61.85	-10.28	0.00594	182.9785614
71.23	36.67	.000940	459.01	436.12	189.95	139.33	59.91	4.76	0.00595	176.9380341
93.84	83.93	.000950	461.88	458.43	177.90	144.25	81.22	65.30	0.00596	159.8477631
121.10	140.73	.000960	476.02	445.36	166.55	141.34	122.18	153.04	0.00597	124.9305878
169.87	223.82	.000970	477.64	431.69	148.72	113.25	180.15	246.56	0.00598	92.81267548
246.63	343.61	.000980	468.29	443.07	119.06	71.21	247.73	338.41	0.00599	75.86973572
306.15	441.24	.000990	457.53	450.90	86.50	39.74	293.13	407.49	0.006	78.44800568
315.94	473.00	.001000	447.66	425.34	63.30	27.51	293.30	437.18	0.00601	95.90660095
300.25	477.95	.001010	436.47	384.57	56.64	42.48	275.18	449.93	0.00602	121.8366623
297.60	502.32	.001020	427.18	364.12	71.03	84.25	272.70	465.12	0.00603	134.4333649
304.60	523.67	.001030	417.75	361.01	106.44	135.44	283.92	470.76	0.00604	129.6451416
303.49	504.76	.001040	410.68	353.78	138.04	167.27	286.94	449.27	0.00605	126.1092224

501.358429	508.5778062	530.9717407	537.1596069	554.8918335
501.5057678	479.7009277	514.0288086	517.1227417	530.0877686
497.5278626	455.1705017	495.6125794	493.6972656	493.5499573
478.9642944	433.1446838	471.5978088	467.0305786	446.0360718
450.5296326	426.2201843	450.0139771	438.4485779	420.9899902
434.8389893	441.1741638	443.2367859	408.4669495	427.7671509
435.5758531	455.8334961	441.1005249	379.9586182	427.2514954
436.9752808	445.2257385	436.680603	364.8572998	380.8425903
421.6529541	416.8647461	424.0102539	354.54422	318.9640503
399.9954834	394.1022949	399.8481445	337.6749268	281.394928
387.4724426	391.7449951	360.4374085	310.0505676	269.1665344
387.4724426	398.0065308	320.0690002	283.6048584	253.2549133
388.7984009	402.5000916	306.6619873	261.8737183	232.9970551
379.2219544	402.3527527	321.3213196	241.9105072	222.7576294
361.8370361	393.5866394	327.3618469	221.0633392	237.5974274
349.1868565	373.3287659	302.4631043	204.1203919	241.8895142
337.6749268	356.5331726	265.0412903	193.5863037	241.9105072
322.7946167	342.9788208	245.2991028	195.2069397	234.1756897
310.2715759	321.1739807	231.8184204	201.026474	224.5992584
308.061615	292.7393189	204.6380474	197.4168854	210.2345866
311.2292175	277.2698838	166.0356293	177.8956757	195.5016022
315.2807922	277.8590088	137.3799591	167.0669251	185.4831696
320.2900085	275.7963867	128.9821625	175.9803925	188.7244263
316.5331116	258.5587769	139.0005951	188.0614471	206.404007
288.4667664	244.9307709	152.7022705	187.6194458	225.7042236
251.3396301	245.4464264	163.0890198	189.0927429	225.335907
229.0191498	245.3727722	165.0043182	197.7115479	210.3082581
227.0301971	236.0173187	162.8680267	202.0577785	199.4795075
232.2804065	227.2511902	161.5420685	194.9122772	200.4371491
236.6802979	227.8405151	170.5291901	190.8607025	197.8588715
229.5348053	237.3432922	184.3045349	195.3542633	191.2290344
215.0228119	243.2364807	189.0927429	199.184845	187.2511292
205.2253723	234.1020355	178.9269867	183.125885	186.0724945
206.404007	217.1590881	162.7207031	155.2805481	173.9914398
210.5292511	211.0449066	144.967453	130.1607971	147.1037293
213.0338593	217.52742	121.9839859	108.797966	106.3670197
212.3708649	219.8846893	92.81257548	83.30989838	70.71318817
206.625	205.7410278	68.13491821	59.66344833	57.74816132
194.7649536	186.0724945	60.47376251	48.02438736	71.22884369
178.1903381	172.5181427	82.20491791	67.6192627	93.84397888
155.3542023	167.3615875	127.4351959	118.0060806	121.1000061
129.1294861	157.1958313	185.0411835	185.556839	169.8661957
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71.6708374	95.02262115	284.0468445	289.2033997	306.1463318
48.24538422	65.7776413	275.7963867	288.1720886	315.9437866
41.17354965	50.30800247	253.1812439	272.1131287	300.2531433
59.36878967	57.82182693	251.7816162	268.7245483	297.6011963
104.3044052	93.18099976	267.9142456	279.2586365	304.5993652
146.8090668	132.8863983	274.2494202	283.0892029	303.4944153
155.3542023	145.1147766	261.4317322	276.6803589	289.866394
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196.710846	184.8940735	202.1761017	205.7211456	198.8526459
204.0963287	182.3830109	210.9648285	210.3739929	207.3459473
194.9383392	196.9324188	214.583725	210.8171234	203.6532135
179.2811127	207.9367828	221.8215027	213.4020386	196.6369934
170.1231079	196.0461578	227.7298889	215.9131165	195.6768799
173.0034485	178.9856873	222.4861908	215.617691	206.3119812
176.3269043	175.7360687	213.1066284	209.2661743	222.4123383
177.0854602	189.3992157	216.2085266	213.0327759	233.3428497
180.1673584	205.2041626	225.8096619	227.360611	225.2188263
191.3932953	210.8171234	222.7816162	235.7062073	209.1184692
191.9102783	202.1761017	208.7491913	228.1730194	205.2780151
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243.9779511	214.4360199	233.5644226	214.6575775	224.7018433
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214.1405945	206.1642761	199.148056	206.0904083	215.617691
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193.9043732	177.0654602	203.6532135	191.5410156	216.4300695
172.929596	167.7597504	202.323822	180.9059143	198.0402374
155.5737	171.0093689	193.5350952	168.2767334	183.1215515
163.6977387	171.4524994	184.6725159	157.7893524	174.8498077
192.4272614	161.3343811	180.3150787	149.9607239	165.3225403
211.1884014	161.2605286	182.161438	139.3994904	150.4777222
192.3534088	174.1112671	192.8703919	121.7481766	123.0775681
154.0227509	180.6104889	205.7211456	114.6581116	93.4617691
135.5590363	169.3106995	209.8570099	127.9519882	77.21370697
149.5914612	152.1025238	200.9944305	145.603302	81.34957886
161.1128082	143.2399445	185.5587616	132.1617127	77.58297729
153.7273254	148.1143646	170.3446655	80.46331787	42.94505692
138.0700989	151.8809509	163.7715912	23.81664848	-6.38998413
128.1735535	139.6949005	163.6977387	-11.11669445	-31.57448769
128.6905365	124.4808044	164.8055573	-15.47413063	-6.90696764
144.8547461	126.4010315	161.4820862	37.40594101	74.55493164
149.2960358	121.7481766	152.9887848	140.4334564	177.9517212
124.5546646	82.08812714	133.1218262	248.5569611	267.3160706
88.88277435	26.69698906	98.04077148	337.1827698	334.4501343
71.60073853	-4.9128871	52.54618454	393.9032898	387.3302002
58.52842712	0.25695246	23.74279404	412.0715942	426.4732971
52.39847565	37.03666687	37.9967804	420.0479126	451.8055115
79.13393402	85.19002533	86.43964386	437.9946289	455.0551148
133.9342346	129.502945	142.8706665	451.8055115	436.8129578
158.4540405	160.9651032	182.3830109	434.3757629	408.6742554
141.3197174	175.7360687	212.9589233	401.0672302	394.1987305
143.5353546	179.5765228	239.9897919	386.8132324	399.811676

177.8040161	754.4766846	56.8801384	507.6445007	540.94104	194.5936737	194.1259308
179.0595398	751.3827515	22.98076439	491.1926575	520.4130859	199.148056	198.9264984
176.9177551	766.1157227	72.09423828	475.0354919	494.2865906	202.1514893	197.129364
179.7242279	777.3128052	166.7761536	457.5769043	461.5548096	203.0131378	196.5877533
188.4391022	778.2704468	193.2900391	447.9267883	436.4841919	197.9663849	200.0097046
195.3076019	754.1820068	151.9313355	451.2171631	426.4902954	191.4917755	205.7457581
197.9663849	703.1322022	127.6330872	453.1079102	416.1035461	188.3698621	209.8816376
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232.3827362	588.4359131	157.8397217	396.2631226	267.1775818	180.7089691	221.6245575
232.6043091	584.1633301	137.308075	389.5596008	261.9964905	198.4095154	219.4335175
232.456604	568.1043701	147.7216034	377.0365601	260.0075378	223.2247467	217.8825684
249.8124847	556.0233154	207.5440369	363.3103333	249.4243317	230.6594696	229.7239685
271.9689331	551.9717407	304.5154419	351.4993897	233.5126953	217.5379181	247.5968323
272.3382263	539.6696777	370.0246887	339.4429016	224.8939056	200.8713379	251.5850067
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202.323822	511.0877075	138.5635986	301.8246765	163.3100128	207.9614105	204.2686615
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225.071106	460.3325501	160.1292114	284.3415222	177.8220215	200.6743927	217.488678
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174.5543976	419.7431641	49.27309036	251.3150635	192.5058899	181.0043945	184.5001831
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157.2723541	370.9769898	55.3291893	235.4525604	188.1351013	173.2742462	163.303833
155.6475525	363.7578125	77.3379364	234.4212494	185.6304932	178.0255737	156.976944
138.0700989	362.210846	49.19923401	233.0218065	186.4162598	184.8694611	142.6491089
108.6020126	369.7983398	43.43855667	227.5213013	190.2959442	186.4450226	117.8092499
86.66712189	395.4337463	124.4573288	222.6594086	191.8429108	180.1181335	98.26233673
86.81483459	429.4669495	253.407898	216.8398743	182.7084503	171.5755768	97.32684326
94.4957428	458.7119446	358.7987671	208.9577332	163.9975566	167.5628052	107.1495438
89.84288025	489.4302063	410.0540161	204.4641724	140.743968	163.303833	99.86252594
61.03949356	511.7507019	406.4351502	209.0068359	112.382988	157.3954468	61.48262405
25.36760139	506.8151245	386.3466187	212.2971954	82.27858734	151.2408752	14.26475525
11.85216331	479.1171265	395.2830505	204.4396057	61.84884262	143.8553925	-10.27967262
36.66739273	459.0065918	436.1247864	189.952179	59.90899658	139.3256378	4.76209831
83.93449402	461.8795166	458.4289551	177.8956757	81.22271729	144.2492828	65.29845428
140.7288818	476.0231934	445.3566589	166.5512695	122.1804276	141.3443298	153.0380249
223.8155823	477.6438294	431.693512	148.7243652	180.1547394	113.2548752	246.5628662
343.6081543	468.2883606	443.0671387	119.0619431	247.7300415	71.20684814	338.4136963
441.2442627	457.5332947	450.895752	86.50204468	293.1322022	39.7446785	407.4925842
473.0018311	447.6622009	425.34198	63.29758835	293.3040772	27.50839178	437.182251
477.9501036	436.4651184	384.5740967	56.64318466	275.1824951	42.47730637	449.9345093
502.3222046	427.1833496	364.1163025	71.03240967	272.7024536	84.25453186	465.1239929
523.6662598	417.7542114	361.0144043	106.4406891	283.9240723	135.4359436	470.7615662
504.7594299	410.6824036	353.7766419	138.0429382	286.9443359	167.2673798	449.2698059
455.5720825	409.2827454	320.0249634	143.3713684	275.9928264	176.6715698	416.9460144
428.3935242	419.5958557	273.8656921	133.3775024	258.927124	187.7005615	405.006134

	.001050			129.65	141.32	155.35	175.74	145.11	212.96	261.43	401.07	276.68	394.20
	.001060			126.11	143.54	134.95	179.58	139.07	239.99	234.99	386.81	265.41	399.81
	.001070			138.19	195.16	120.07	193.83	143.79	254.61	212.00	394.20	253.25	411.48
	.001080			160.73	262.37	129.35	223.45	170.46	270.05	198.01	389.18	236.61	400.33
	.001090			189.98	306.90	158.89	256.24	202.21	296.71	187.91	359.19	222.83	363.33
	.001100			220.03	313.77	187.18	273.96	219.88	316.36	173.70	318.13	211.93	326.18
	.001110			239.70	306.02	198.89	277.80	217.45	314.44	156.68	286.37	206.26	310.96
	.001120			240.44	311.48	197.49	285.78	207.95	309.56	141.85	271.01	200.58	301.29
	.001130			229.53	334.38	201.10	309.41	203.16	321.08	132.08	256.02	188.87	283.71
	.001140			217.90	346.93	215.39	327.58	207.95	337.77	124.64	223.15	166.99	266.43
	.001150			214.95	331.72	223.64	312.96	211.12	329.21	113.07	184.89	147.62	251.07
	.001160			213.62	302.99	211.41	274.18	204.27	301.66	96.13	165.54	135.02	220.79
	.001170			205.52	285.34	193.29	246.27	189.17	283.27	84.12	166.43	125.74	187.26
	.001180			187.77	274.41	184.82	248.41	175.91	288.00	79.26	168.20	110.79	170.86
	.001190			176.50	263.48	182.98	271.16	168.39	301.29	74.84	161.41	92.52	167.32
	.001200			173.62	250.11	178.12	281.72	167.44	297.52	68.85	145.31	74.54	152.03
	.001210			168.91	231.42	167.66	255.35	167.66	264.95	63.13	129.65	65.41	129.21
	.001220			149.02	205.94	152.63	213.25	165.96	228.84	53.62	121.53	66.00	119.61
	.001230			124.71	197.67	137.97	191.54	159.92	215.99	43.24	122.56	67.91	126.84
	.001240			109.53	209.86	128.61	190.36	152.11	223.89	37.49	124.48	60.69	130.17
	.001250			105.78	220.79	121.32	187.85	138.56	229.06	39.48	123.59	49.20	126.77
	.001260			97.90	204.83	105.26	178.84	115.80	216.73	37.42	117.61	38.89	125.37
	.001270			79.85	162.00	81.91	170.27	87.29	191.84	25.04	112.59	33.66	131.72
	.001280			62.54	125.81	60.40	164.81	65.48	171.53	7.66	114.44	28.06	134.23
	.001290			57.16	129.50	45.23	160.37	54.51	163.77	2.87	124.63	21.87	132.90
	.001300			54.88	145.75	33.81	152.77	47.95	159.49	4.86	130.24	17.38	132.97
	.001310			50.38	135.04	31.38	145.53	39.04	149.30	-1.11	125.66	17.09	136.22
	.001320			45.45	110.01	36.83	139.92	32.63	139.47	-10.54	116.57	12.15	132.97
	.001330			41.25	109.34	43.60	136.67	29.46	133.05	.58	123.30	11.04	127.29
	.001340			27.55	121.60	44.27	134.23	32.11	128.40	26.51	130.68	17.23	121.67
	.001350			10.31	116.36	45.23	133.12	35.21	117.54	42.20	122.56	24.08	115.91
	.001360			10.01	95.83	47.73	128.32	33.88	104.10	41.76	98.34	24.30	103.58
	.001370			29.98	86.74	45.81	117.98	28.50	92.13	41.76	81.72	26.51	86.15
	.001380			42.87	89.18	38.89	106.90	27.99	88.00	49.79	88.22	26.37	67.54
	.001390			42.72	84.97	38.01	99.30	27.18	82.09	60.11	107.57	22.68	59.49
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	.001410			41.25	52.40	51.12	80.98	23.57	58.45	64.16	65.25	32.11	56.39
	.001420			38.15	45.09	47.29	65.69	30.20	60.23	64.30	28.76	38.30	46.42
	.001430			40.58	39.55	43.90	53.28	39.63	68.79	64.60	28.62	41.69	43.68
	.001440			46.11	26.99	46.40	46.42	44.78	56.39	59.37	45.97	44.12	56.02
	.001450			45.08	13.92	49.20	34.38	39.33	22.04	53.33	53.95	49.42	65.69
	.001460			32.26	6.09	47.88	13.99	30.12	7.49	49.42	52.47	49.65	46.12
	.001470			20.11	7.27	43.90	3.80	24.89	25.00	45.74	55.94	44.34	23.89
	.001480			19.15	5.80	38.30	8.82	26.15	42.50	38.23	57.20	36.24	28.47
	.001490			24.89	-7.05	33.37	12.52	24.30	37.78	30.34	49.59	29.90	50.18
	.001500			23.27	-25.44	30.20	7.20	15.02	24.26	22.98	38.07	23.71	60.60
	.001510			9.79	-26.18	27.69	3.29	3.31	20.94	18.66	36.45	19.00	57.35
	.001520			-4.20	-4.62	21.80	6.90	-.89	26.84	15.17	42.13	15.46	49.52
	.001530			-5.16	13.55	15.39	10.74	-.15	31.57	14.73	47.89	16.35	47.01
	.001540			.22	9.12	10.16	1.59	-.30	32.09	12.67	49.89	18.12	48.78
	.001550			-.08	-3.73	4.41	-11.12	-4.79	29.43	10.01	53.73	19.52	50.33

289.87	455.57	.001050	409.28	320.02	143.37	176.67	275.99	416.95	0.00606	138.1902771
276.39	428.39	.001060	419.60	273.87	133.38	187.70	258.93	405.01	0.00607	160.7317505
263.27	432.31	.001070	421.00	244.77	134.02	214.53	242.84	412.66	0.00608	189.9767304
247.80	431.64	.001080	401.33	245.87	153.51	251.95	227.47	407.05	0.00609	220.0320282
229.24	400.25	.001090	378.05	253.48	183.69	286.62	213.33	374.26	0.0061	239.7005615
216.72	359.56	.001100	376.06	242.33	209.03	301.36	200.78	334.62	0.00611	240.4372101
204.05	328.17	.001110	383.35	213.45	218.68	299.42	188.99	308.50	0.00612	229.5348053
188.43	308.60	.001120	380.55	184.65	215.29	302.27	176.89	293.63	0.00613	217.8957367
169.42	282.53	.001130	373.11	151.86	211.27	321.62	163.46	274.09	0.00614	214.9491425
151.74	244.86	.001140	381.66	115.74	213.75	337.43	147.79	244.81	0.00615	213.623169
132.30	207.72	.001150	394.48	89.23	216.57	324.63	131.00	214.56	0.00616	205.5200348
114.62	189.47	.001160	398.09	94.10	209.77	292.94	115.26	191.93	0.00617	187.7667847
100.92	187.77	.001170	395.14	116.33	195.99	271.62	103.59	180.49	0.00618	176.496048
91.19	185.12	.001180	400.44	129.18	182.83	270.27	93.75	174.73	0.00619	173.6231079
79.33	162.00	.001190	409.06	116.55	175.96	278.64	82.23	163.57	0.0062	168.9085541
69.90	131.64	.001200	408.18	86.50	173.06	276.45	71.03	142.99	0.00621	149.0190277
64.08	114.58	.001210	396.32	53.19	168.07	250.58	64.21	124.48	0.00622	124.7095947
60.47	112.81	.001220	384.75	44.55	155.87	216.01	60.03	117.98	0.00623	109.5346146
51.56	113.62	.001230	379.23	80.37	140.87	201.73	54.24	121.01	0.00624	105.7777023
37.78	115.99	.001240	375.54	130.22	130.09	208.04	45.32	123.55	0.00625	97.89555359
25.26	122.71	.001250	367.81	138.93	121.89	212.57	37.98	124.36	0.00626	79.84764099
20.47	132.83	.001260	360.44	118.40	106.32	200.13	32.26	125.27	0.00627	62.53638077
19.74	130.98	.001270	354.77	115.30	83.02	174.70	26.15	125.10	0.00628	57.15884018
21.06	119.16	.001280	360.07	135.54	62.81	154.05	18.93	122.61	0.00629	54.87522888
18.12	116.14	.001290	372.08	136.27	52.30	151.22	14.29	124.55	0.0063	50.38166428
12.74	127.29	.001300	379.08	108.87	45.54	152.67	11.66	130.17	0.00631	45.44611359
3.97	130.32	.001310	371.86	86.50	40.27	143.29	6.65	130.73	0.00632	41.24721527
1.03	121.60	.001320	361.33	86.27	38.30	129.80	.86	124.38	0.00633	27.54553413
5.67	113.25	.001330	356.91	86.35	38.10	126.35	5.77	121.28	0.00634	10.30793858
16.20	114.29	.001340	365.16	79.33	34.64	128.08	19.98	122.22	0.00635	10.01327896
24.16	111.85	.001350	376.87	75.12	30.25	122.34	30.15	116.78	0.00636	29.97647667
28.28	99.15	.001360	385.49	79.18	30.54	109.41	31.45	100.35	0.00637	42.86784363
26.37	81.20	.001370	382.47	78.00	34.76	98.95	31.55	93.02	0.00638	42.72051239
26.00	73.96	.001380	376.50	71.72	36.58	94.69	34.05	76.57	0.00639	40.5105629
28.36	74.55	.001390	370.90	62.71	35.97	88.78	37.05	80.54	0.0064	41.24721527
32.85	71.01	.001400	365.45	55.77	36.88	76.62	40.22	78.12	0.00641	38.15328598
32.92	58.60	.001410	359.49	63.01	38.64	63.94	43.06	60.08	0.00642	40.58422852
32.63	49.15	.001420	358.60	84.28	38.55	57.00	45.08	41.44	0.00643	46.10910034
33.14	48.85	.001430	359.34	83.98	41.37	53.88	46.48	40.38	0.00644	45.07778931
35.50	56.09	.001440	355.95	47.80	45.77	43.27	46.33	52.69	0.00645	32.26008987
39.77	55.94	.001450	349.91	13.68	44.54	23.45	47.51	58.53	0.00646	20.10537529
46.11	47.30	.001460	351.01	15.15	36.75	9.19	48.39	48.63	0.00647	19.14773178
48.17	43.24	.001470	352.93	25.64	29.63	12.02	46.08	41.02	0.00648	24.89359665
46.92	36.89	.001480	351.97	29.63	27.86	19.04	40.46	40.85	0.00649	23.27296829
44.05	15.25	.001490	348.37	31.10	27.52	14.41	34.76	38.34	0.0065	9.79228401
41.10	10.30	.001500	348.37	40.19	22.83	2.00	29.26	36.32	0.00651	-4.20405531
39.26	37.78	.001510	350.94	52.67	13.60	-65	25.61	43.86	0.00652	-5.1616993
40.66	63.55	.001520	350.57	65.96	5.57	9.71	23.76	51.73	0.00653	0.21584135
36.61	59.19	.001530	344.83	74.31	3.36	18.62	22.56	51.36	0.00654	-0.07881841
27.10	44.87	.001540	344.16	74.01	3.36	14.26	19.30	47.84	0.00655	-9.80259037
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182.9785614	168.3928986	74.83842468	92.518013	79.33198547
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167.65625	167.65625	63.1257019	65.40931702	64.08334351
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128.6138306	152.1129456	37.49030304	60.69475937	37.7849617
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122.7082901	367.8093872	138.9328766	121.8857651	37.98139954	212.565033	124.3577194
132.8264008	360.4429016	118.4012299	106.3179092	32.26008987	200.1327972	125.2685928
130.9800415	354.7706909	115.299324	83.0152359	26.14590073	174.7021027	125.0962677
119.1832614	360.074585	135.535553	62.80648422	18.92673663	154.0473633	122.6098175
116.1352081	372.0819702	136.2741089	52.29695511	14.28584576	151.2162628	124.554657
127.2872925	379.0801392	108.8739548	45.54433441	11.65846252	152.668747	130.1676331
130.3153381	371.8609619	86.49593353	40.26501465	6.64924622	143.2891693	130.7338562
121.6004715	361.3268738	86.27436829	38.3006134	0.8788259	129.7983551	124.3823395
113.2548676	356.9069824	86.34822845	38.10417557	5.7652669	126.351799	121.2804337
114.2888413	365.1574402	79.33201599	34.641922	19.98260117	128.0750732	122.2159271
111.8516312	376.8701782	75.12228394	30.24658203	30.14836311	122.3390198	116.7752838
99.14859772	385.4889832	79.18430328	30.5412426	31.4497757	109.4144211	100.3548889
81.20186615	382.4687195	78.00262451	34.76469803	31.54799652	98.95165253	83.02362061
73.96408844	376.5018616	71.72496796	36.58176804	34.05260468	94.69268799	76.57363129
74.55493164	370.9033203	62.71467209	35.96789169	37.04831314	88.78430176	80.53717041
71.00989532	365.4521179	55.77231598	36.8764267	40.21590424	76.62286377	78.12458038
58.60228348	359.48526	63.01009369	38.64438629	43.06428528	63.94445038	60.07938004
49.14986093	358.6012878	64.2802887	38.54616547	45.07778931	57.00209427	41.4433403
48.85344315	359.3379211	83.98487091	41.36998749	46.47742462	53.8755722	40.38475418
56.09121704	355.9493408	47.7959838	45.76533127	46.33009338	43.26509094	52.69389343
55.94350815	349.9088135	13.6750536	44.53757858	47.50873164	23.44737434	58.52842712
47.30249023	351.013794	15.15215015	36.75365448	48.39271164	9.19338894	48.6318779
43.2404747	352.9290772	25.63953972	29.6327076	46.08454514	12.02449226	41.02482986
36.88895798	351.9714356	29.62770081	27.86474991	40.4614563	19.04070282	40.85250092
15.24948692	346.3728943	31.10479736	27.52098083	34.76469803	14.4124651	38.34143829
10.30121231	346.3728943	40.18894577	22.83097839	29.26438332	2.0048511	36.32273865
37.77521515	350.9401245	52.67041397	13.5883057	25.60569	-0.65392381	43.85593033
63.55055618	350.5718079	65.9642888	5.58882715	23.7640686	9.71037292	51.73377991
59.19312286	344.8259277	74.30988312	3.35887885	22.58087303	18.62219238	51.36450958
44.86528015	344.1629334	74.01446533	3.35887885	19.29506111	14.2647562	47.84409332
38.29219818	348.8775024	72.31580353	-0.15248333	16.02924919	4.86057091	47.45019913
35.4000206	351.9714356	80.73525238	-7.88730192	18.06731224	0.74931842	47.74562073
36.44582748	349.3194885	93.0690155	-14.29615211	23.81317711	3.75274825	45.77615738

.001560	-9.80	-9.64	-4.65	-12.00	-9.21	23.89	12.22	57.57	19.88	46.27
.001570	-18.57	-6.24	-12.53	1.00	-11.79	16.51	19.52	58.68	22.17	42.21
.001580	-24.46	-4.10	-12.82	12.74	-9.73	16.95	22.02	57.49	19.81	40.43
.001590	-29.54	-7.13	-5.90	12.81	-9.58	22.12	14.43	57.13	15.10	43.76
.001600	-37.87	-14.07	-1.04	5.28	-12.60	24.19	1.84	55.43	12.15	47.82
.001610	-40.52	-15.55	-1.48	.11	-17.17	21.45	-3.84	53.06	12.52	52.25
.001620	-29.99	-11.71	-3.54	-.04	-16.06	21.82	-.23	53.14	11.93	55.43
.001630	-7.59	-5.58	-2.07	4.10	-10.61	25.66	6.26	51.51	12.89	58.75
.001640	7.07	-.63	1.32	10.01	-5.75	26.55	10.97	44.87	12.67	60.08
.001650	11.49	1.59	5.89	12.89	-4.28	25.66	14.29	43.98	15.54	59.64
.001660	13.11	-4.54	11.63	10.08	-3.47	25.29	18.48	51.14	21.65	53.58
.001670	20.40	-13.11	14.95	6.02	-.59	14.73	23.49	55.06	30.34	47.15
.001680	27.25	-18.80	14.06	3.14	3.97	-.92	27.32	48.56	31.45	41.76
.001690	29.31	-25.30	16.20	3.36	5.81	-.19	27.99	37.04	23.49	42.95
.001700	21.87	-37.85	21.65	4.84	5.15	18.13	27.40	29.73	11.71	47.82
.001710	9.42	-36.97	21.51	4.32	.81	24.19	31.38	30.24	9.57	51.66
.001720	2.65	-15.70	15.32	-.48	-1.92	6.68	36.39	32.75	16.64	50.18
.001730	8.39	1.88	10.53	-4.03	.14	-19.54	36.83	33.12	25.19	51.07
.001740	11.63	-6.54	9.72	-1.59	6.48	-33.94	30.34	33.93	27.99	55.06
.001750	4.41	-21.75	7.36	1.29	7.95	-24.63	25.92	42.21	26.22	55.20
.001760	-6.93	-21.75	.29	-.70	2.79	.77	25.48	44.64	22.39	42.13
.001770	-12.38	-9.20	-6.05	-1.96	-4.65	16.36	26.51	27.29	23.49	28.91
.001780	-17.10	-1.07	-10.24	2.62	-6.27	15.77	23.27	.33	24.08	39.10
.001790	-21.44	5.57	-14.37	10.38	-4.13	6.90	16.86	-9.42	21.36	69.83
.001800	-23.14	13.99	-19.75	15.84	-5.01	-.33	13.62	-3.29	19.07	78.84
.001810	-21.74	11.93	-20.63	20.64	-12.09	-5.58	14.06	-2.25	25.04	43.24
.001820	-19.82	-4.40	-17.83	25.81	-15.33	1.44	9.87	-8.46	33.00	-9.79
.001830	-17.24	-11.93	-19.23	27.44	-13.71	19.68	.29	-3.88	37.20	-25.15
.001840	-17.61	-2.99	-28.22	24.26	-10.17	32.61	-5.53	15.18	31.74	7.20
.001850	-19.60	8.53	-36.84	20.86	-11.94	32.31	-3.54	34.89	21.58	47.30
.001860	-21.00	13.77	-40.45	22.86	-16.06	32.75	1.47	44.87	12.67	47.75
.001870	-15.92	21.01	-39.64	23.67	-18.86	38.07	7.95	46.34	9.87	22.41
.001880	-6.49	27.29	-38.38	19.68	-14.08	43.54	19.44	45.90	11.34	18.35
.001890	.44	29.28	-36.84	21.08	-5.01	44.57	35.50	42.35	16.94	41.62
.001900	-2.22	34.08	-32.12	30.83	.73	45.01	46.55	36.74	21.14	54.91
.001910	-7.08	45.01	-24.24	35.85	-.37	45.16	49.65	36.30	23.57	50.70
.001920	-4.79	49.44	-16.21	27.07	-.82	45.31	47.73	40.29	25.48	43.54
.001930	3.68	41.54	-7.37	8.82	3.24	42.65	45.96	40.29	35.06	41.91
.001940	8.83	27.07	3.97	-6.98	11.78	42.13	45.52	31.50	46.11	39.40
.001950	14.80	15.47	11.63	-10.15	19.59	45.46	51.71	22.63	55.39	37.18
.001960	26.22	7.42	14.14	-3.88	25.48	48.11	60.92	21.90	62.46	37.63
.001970	37.78	6.02	19.30	-.56	26.96	42.43	66.00	28.17	69.02	39.55
.001980	38.01	7.49	30.05	-5.28	30.05	32.46	66.59	31.87	70.71	36.45
.001990	32.70	2.77	38.15	-14.66	35.35	24.48	72.55	32.31	71.16	32.75
.002000	32.78	-10.75	41.32	-29.43	40.22	24.11	81.32	36.15	73.95	31.35
.002010	40.14	-25.44	43.83	-40.58	38.89	24.26	83.75	44.27	80.58	33.49
.002020	46.26	-33.27	47.66	-31.13	34.76	20.79	80.07	44.27	85.52	33.79
.002030	45.96	-29.58	48.47	-9.34	30.12	13.85	79.41	30.83	88.61	30.24
.002040	37.56	-25.30	45.23	2.69	24.97	9.19	82.65	13.85	86.92	25.44
.002050	29.31	-26.77	41.25	2.40	16.20	5.87	81.76	6.53	81.69	26.55
.002060	26.07	-28.18	37.78	-1.07	11.04	7.13	73.66	10.45	70.49	33.64

22.09	39.40	.001560	351.97	80.74	-7.89	.75	18.07	47.75	0.00657	-24.46191406
29.76	36.45	.001570	349.32	93.07	-14.30	3.75	23.81	45.78	0.00658	-29.54479408
31.08	29.95	.001580	349.91	102.67	-15.67	8.53	24.30	42.63	0.00659	-37.86893463
22.68	26.18	.001590	353.15	103.19	-15.01	9.27	17.40	42.35	0.0066	-40.52087021
13.70	31.72	.001600	352.93	102.01	-17.17	5.13	9.23	44.99	0.00661	-29.98678398
8.83	40.66	.001610	343.28	101.27	-19.72	2.00	5.84	48.66	0.00662	-7.59264231
11.78	47.97	.001620	334.59	91.37	-16.53	3.36	7.83	52.18	0.00663	7.06668091
13.92	51.00	.001630	337.90	76.30	-6.76	8.06	11.02	53.75	0.00664	11.48657703
13.84	50.33	.001640	353.08	81.70	.88	11.98	12.49	51.76	0.00665	13.10720634
14.29	38.37	.001650	365.16	108.73	4.37	13.38	14.70	47.33	0.00666	20.40003586
20.11	25.59	.001660	371.86	131.10	7.09	10.28	20.08	43.44	0.00667	27.25087547
27.99	31.28	.001670	371.57	124.01	11.58	2.55	27.28	44.50	0.00668	29.31349373
37.20	52.55	.001680	367.44	98.02	15.10	-5.53	31.99	47.62	0.00669	21.87333488
44.19	58.45	.001690	359.78	75.88	17.11	-7.37	31.89	46.15	0.0067	9.42395878
48.76	44.50	.001700	356.24	79.18	16.23	-4.96	29.29	40.68	0.00671	2.64678431
51.04	32.01	.001710	355.58	97.43	10.58	-2.82	30.66	37.97	0.00672	8.39264965
54.21	36.74	.001720	355.07	105.26	5.35	-3.16	35.75	39.89	0.00673	11.63390732
50.46	46.64	.001730	351.90	99.49	6.35	-7.23	37.49	43.61	0.00674	4.41474295
43.02	53.58	.001740	348.95	101.86	9.28	-14.02	33.78	47.52	0.00675	-6.92965794
37.93	52.47	.001750	348.58	113.53	6.58	-15.03	30.03	49.96	0.00676	-12.38086319
41.54	48.56	.001760	351.46	120.84	-1.28	-7.23	29.80	45.11	0.00677	-17.09541893
45.23	44.72	.001770	350.87	109.98	-7.69	1.73	31.74	33.64	0.00678	-21.44165039
44.34	44.72	.001780	346.52	84.28	-11.20	5.77	30.57	28.05	0.00679	-23.13594437
34.76	44.64	.001790	335.32	65.23	-13.31	7.62	24.33	35.02	0.0068	-21.73631096
24.16	46.79	.001800	325.89	78.52	-15.97	9.83	18.95	40.78	0.00681	-19.82102203
15.32	45.09	.001810	323.24	103.04	-18.15	9.00	18.14	28.69	0.00682	-17.24275017
13.25	37.33	.001820	325.75	113.08	-17.66	7.62	18.71	6.36	0.00683	-17.61107445
18.26	25.81	.001830	326.78	115.08	-16.73	11.73	18.58	-1.07	0.00684	-19.60002708
28.58	21.82	.001840	318.97	122.39	-18.67	17.96	18.26	14.73	0.00685	-20.9996624
30.71	22.41	.001850	298.86	127.63	-22.79	20.57	16.25	34.87	0.00686	-15.91678047
25.04	21.01	.001860	279.93	127.56	-25.84	23.13	13.06	37.87	0.00687	-6.48766804
19.59	18.06	.001870	274.92	126.16	-24.81	27.58	12.47	28.94	0.00688	0.43683618
24.82	21.75	.001880	288.32	129.48	-19.65	30.17	18.53	28.67	0.00689	-2.21510172
29.90	23.15	.001890	301.88	130.22	-13.81	31.65	27.45	35.71	0.0069	-7.07698774
28.43	14.29	.001900	319.63	147.20	-11.20	36.64	32.04	35.31	0.00691	-4.79337454
21.87	8.82	.001910	336.94	166.63	-10.56	42.01	31.70	31.94	0.00692	3.67809367
19.22	22.12	.001920	335.62	147.50	-7.27	40.61	30.81	35.31	0.00693	8.83463955
21.85	36.15	.001930	318.82	101.86	-.15	31.01	34.22	39.45	0.00694	14.80149937
29.90	35.34	.001940	314.48	79.78	8.20	20.74	40.51	35.41	0.00695	26.21956635
35.28	27.14	.001950	330.61	85.17	15.34	16.92	47.46	28.99	0.00696	37.7849617
36.46	27.58	.001960	351.09	85.76	21.95	17.22	53.28	29.04	0.00697	38.00595474
33.73	28.91	.001970	363.98	72.78	28.01	15.96	56.25	32.21	0.00698	32.70207977
34.69	20.79	.001980	371.12	60.79	32.70	11.56	57.33	29.70	0.00699	32.77574539
34.69	10.52	.001990	372.82	51.19	35.40	4.20	59.47	25.20	0.007	40.14223862
31.38	13.33	.002000	370.61	46.02	38.10	-5.36	62.22	26.94	0.00701	46.25642776
27.55	21.01	.002010	363.09	46.32	40.95	-13.92	63.96	32.93	0.00702	45.9617691
31.52	29.36	.002020	358.45	52.23	42.89	-14.54	65.70	35.81	0.00703	37.56396484
38.45	36.37	.002030	357.64	56.07	41.52	-8.36	68.82	32.48	0.00704	29.31349373
45.37	40.58	.002040	357.94	53.56	35.92	-4.47	71.65	26.62	0.00705	26.07223511
50.46	38.22	.002050	357.86	46.47	28.92	-6.17	71.30	23.77	0.00706	29.38715744
57.16	35.41	.002060	355.29	37.09	24.97	-7.37	67.10	26.50	0.00707	28.42951393

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9.71861839	6.4773612	30.34480286	27.98752403	43.01517105
7.36134052	7.95066023	25.92490578	26.21956635	37.93229294
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11.63390732	19.58972168	51.70763397	55.39088058	35.28035355
14.13951547	25.48291588	60.91575241	62.46271515	36.458992
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43.82548523	38.88993454	83.75188446	80.58428955	27.54553413
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41.24721527	16.20113373	81.76293182	81.68926239	50.4553299
37.7849617	11.04458809	73.65979004	70.49219513	57.15884018
33.58905957	10.16060829	63.93601608	57.74816132	60.17910365
24.74626732	11.48657703	56.48480988	49.20302582	59.58978271

-4.10048342	12.73842144	16.94814873	57.49446106	40.43399048
-7.12853241	12.81227684	22.11798859	57.12518692	43.75745773
-14.07088852	5.2790823	24.18592262	55.42652512	47.81947327
-15.54798508	0.10924275	21.45329475	53.06316757	52.25076675
-11.70753288	-0.03846694	21.82256889	53.13702393	55.42652512
-5.57758045	4.09740448	25.66302109	51.51221848	58.74999237
-0.62930572	10.00579262	26.54927826	44.86528015	60.07938004
1.58833971	12.88613129	25.66302109	43.97902298	59.63624954
-4.54361248	10.07964706	25.29374695	51.14294434	53.58015442
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-18.79759789	3.13729167	-0.92472512	48.55802536	41.76337814
-25.29682541	3.3588562	-0.18617664	37.03666687	42.94505692
-37.85214986	4.83595324	18.12982559	29.72503662	47.81947327
-36.96589279	4.31896925	24.18592262	30.24202156	51.65992737
-15.69569492	-0.48159602	6.68232441	32.75308609	50.18283081
1.88175917	-4.02662897	-19.53614616	33.12236023	51.08908798
-6.5376935	-1.58841877	-33.93784332	33.93476486	55.05725098
-21.75179291	1.29092038	-24.63213158	42.20650482	55.20495987
-21.75179291	-0.70316058	0.77393639	44.6437149	42.13265228
-9.19846835	-1.95869303	16.35730934	27.28782654	28.9126339
-1.07243478	2.62030768	15.76647091	0.3308073	39.10460281
5.57450151	10.37506676	6.9038887	-9.41803265	69.82821655
13.99395466	15.84032536	-0.33388633	-3.28808022	78.83850861
11.92601871	20.64089012	-5.57758045	-2.25411248	43.2404747
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-2.992661	24.25977898	32.6053772	15.17563152	7.19930684
8.52869511	20.86245537	32.3099556	34.89487839	47.30249023
13.77238941	22.85653687	32.75308609	44.86528015	47.74562073
21.01016426	23.66893959	38.07063675	46.34237671	22.41340637
27.28782654	19.6807785	43.53589249	45.89925003	18.35139084
29.28190804	21.08402061	44.56996237	42.35421753	41.61566925
34.08247375	30.83285904	45.01298904	36.74124908	54.90954208
45.01298904	35.8549881	45.16070175	36.29811859	50.69981384
49.44428253	27.0662632	45.30841064	40.28628159	43.53589249
41.5418129	8.8241148	42.64963531	40.28628159	41.91108704
27.0662632	-6.98082256	42.13265228	31.49755287	39.4000206
15.47105122	-10.15658092	45.45611954	22.63497162	37.18437576
7.42087269	-3.87891912	46.11489487	21.89642334	37.62750626
6.01763058	-0.55545086	42.42807007	28.17408562	39.54773331
7.49472761	-5.28216124	32.4576683	31.86682701	36.44582748
2.76801729	-14.66172695	24.48134232	32.3099556	32.75308609
-10.74742031	-29.4326973	24.11206818	36.1504097	31.34984398
-25.4445343	-40.58477783	24.25977898	44.27444077	33.49163437
-33.27314758	-31.1313591	20.78880092	44.27444077	33.78705215
-29.58040819	-9.3441782	13.84624481	30.83285904	30.24202156
-25.29682541	2.69416237	9.19338894	13.84624481	25.44145584
-26.77392197	2.39874315	5.86992073	6.53461456	26.54927826
-28.17716408	-1.07243478	7.12545347	10.4489212	33.63934326
-20.42240524	-2.69724154	12.4430027	18.72066498	42.94505692
-12.00295258	-8.97490406	18.05597115	27.80481148	46.19466762

29.94860187	349.9088135	102.6701431	-15.67123127	24.30427742	8.52869606	42.62501907
26.18000412	353.1500549	103.1871338	-15.00824642	17.40432739	9.26724434	42.35421753
31.71911812	352.9290772	102.005455	-17.16908455	9.22751904	5.13137197	44.9883728
40.65555573	343.2789612	101.2689067	-19.72280312	5.83893204	2.00485086	48.65649796
47.96718597	334.5865173	91.3703537	-16.53065491	7.82788515	3.35885644	52.1769104
50.99523544	337.9014282	76.30396271	-6.75777292	11.02003268	8.06094837	53.75248337
50.3305397	353.076416	81.69536591	0.87882578	12.49333191	11.97525501	51.75839996
38.36805453	365.1574402	108.7282421	4.36563301	14.7032795	13.37849712	47.32711029
25.58916473	371.8609619	131.1042633	7.09123611	20.08082008	10.27659416	43.43741989
31.27598953	371.5663147	124.0141983	11.58479786	27.27543068	2.54645276	44.49600601
52.54518454	367.4410706	98.01728821	15.09615993	31.98998451	-5.52634368	47.62252808
58.45457458	359.7799072	75.86083984	17.10966873	31.89176559	-7.37471533	46.14543152
44.49600601	356.243988	79.18430328	16.22568893	29.28893661	-4.96212387	40.68017197
32.01453781	355.5810242	97.42845264	10.57804298	30.66401672	-2.82033372	37.97216034
36.74124908	355.0653687	105.2550659	5.3478322	35.74689865	-3.16498876	39.89238739
46.63779831	351.8977661	99.49438477	6.3545866	37.49030304	-7.22700548	43.60974884
53.58015442	348.9511719	101.8577423	9.27662849	33.78250122	-14.02165222	47.52405548
52.472332	348.5828552	113.5268097	6.57558107	30.02558899	-15.03100109	49.96126556
48.55802536	351.45578	120.8384399	-1.28201246	29.80459213	-7.22700548	45.11146545
44.71757126	350.8664551	109.9817734	-7.69086218	31.74443626	1.73404932	33.63934326
44.71757126	346.5202332	84.2802887	-11.20222473	30.56579781	5.77144814	28.05099297
44.6437149	335.3231506	65.22573853	-13.31395245	24.32883263	7.61781883	35.01796722
46.7855072	325.894043	78.51960754	-15.96589088	18.95129204	9.83346462	40.77864456
45.0868454	323.242096	103.0394211	-18.15128326	18.14097595	8.99644279	28.69106865
37.33208466	325.7467041	113.0836792	-17.66018466	18.70574168	7.61781883	6.36228609
25.81072968	326.7780151	115.0777588	-16.72709465	18.58296565	11.72907257	-1.07243454
21.82256889	318.9695435	122.389389	-18.66693878	18.26375198	17.95749855	14.73250294
22.41340637	298.8590088	127.6330872	-22.79217529	16.25024414	20.56703568	34.87025833
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14.2893734	319.6325073	147.2046204	-11.20222378	32.03909683	36.64277267	35.31338882
8.8241148	336.9437866	166.6284485	-10.56379509	31.69532585	42.00955963	31.94068146
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36.1504087	318.8222046	101.8577423	-0.15248322	34.2244873	31.00518799	39.44926071
35.33800507	314.4759827	79.77514648	8.19620991	40.5105629	20.73936462	35.4118576
27.14011765	330.6086121	85.16854968	15.34170914	47.45962143	16.92353058	28.98648834
27.58324623	351.0874634	85.75738525	21.9469986	53.27915192	17.21895027	29.03572464
28.9126339	363.9788208	72.75893402	28.01207924	56.25030899	15.96341705	32.211483
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13.32926083	370.6086731	46.02347565	38.10417557	62.21716309	-5.35601664	26.94317245
21.01016426	363.0948486	46.31889725	40.9525528	63.96057129	-13.92317772	32.92541504
29.35576248	358.453949	52.22728348	42.89239502	65.70397166	-14.53863525	35.8057518
36.37197495	357.6438462	56.08773758	41.51731873	68.82245636	-8.35944653	32.48228455
40.58169937	357.9382935	53.55667114	35.91878128	71.64627838	-4.46975803	26.62313271
38.21834564	357.864624	46.46680614	28.92061424	71.30250549	-6.16841936	23.76741219
35.41186142	355.2863464	37.08703995	24.96726227	67.10360718	-7.37471533	26.50004196
30.4635849	347.4042053	19.87886047	24.37794113	60.62109375	-3.55880128	30.7097693
26.40156937	340.774353	5.10789108	21.55411911	55.75820486	-0.97396183	33.46701813

	002070		29.39	-20.42	33.59	-2.70	10.16	12.44	63.94	18.72	57.75	42.95
	002080		28.43	-12.00	24.75	-8.97	11.49	18.06	58.48	27.80	49.20	46.19
	002090		21.58	-12.08	13.18	-22.05	7.66	18.28	53.62	36.89	46.62	46.49
	002100		14.80	-20.27	6.99	-22.86	1.39	18.94	42.72	44.57	39.99	47.45
	002110		15.46	-21.90	7.95	-5.80	.88	23.82	27.69	49.44	25.92	50.11
	002120		16.20	-16.58	10.38	7.49	7.95	28.91	12.67	47.67	9.57	46.56
	002130		17.16	-11.63	9.42	3.65	10.09	25.37	.07	38.88	2.65	38.29
	002140		20.03	-13.78	9.13	-6.39	4.19	14.66	-8.99	29.73	6.99	28.47
	002150		27.25	-15.10	16.20	-9.79	.14	4.10	-8.55	30.61	22.39	23.37
	002160		36.61	-14.88	26.44	-8.61	10.90	3.14	.29	39.03	38.01	20.79
	002170		51.12	-16.51	31.89	-7.50	23.64	11.93	11.63	43.46	50.23	19.31
	002180		66.59	-22.19	35.13	-4.47	23.20	23.67	19.30	35.49	59.44	15.54
	002190		76.97	-20.72	41.54	2.18	12.52	27.88	26.07	17.91	69.24	10.01
	002200		77.79	-14.51	49.35	5.50	11.19	24.63	42.72	-3.36	82.65	3.58
	002210		78.15	-12.15	53.25	-4.62	16.27	6.02	71.45	-11.86	101.65	3.80
	002220		83.60	-14.81	52.74	-22.64	21.14	-19.91	92.89	-2.11	113.29	10.15
	002230		89.28	-10.23	54.51	-28.40	22.46	-26.63	103.49	7.35	115.06	16.14
	002240		90.01	3.06	58.34	-14.95	25.41	-6.02	117.71	4.10	116.31	13.40
	002250		93.84	14.58	60.99	.63	29.61	10.89	131.12	-3.58	119.55	7.49
	002260		101.36	11.04	60.25	-.19	36.09	6.61	130.01	-4.17	113.81	5.35
	002270		103.94	-1.96	56.79	-11.86	38.15	-5.06	120.51	-2.92	103.72	9.78
	002280		91.56	-11.26	50.16	-12.00	36.24	-.41	114.76	-13.18	94.43	12.81
	002290		72.19	-7.50	40.22	-.92	27.77	10.23	110.79	-27.00	88.76	11.04
	002300		58.19	-.04	31.01	3.06	20.11	7.94	98.34	-20.27	81.62	.33
	002310		56.79	-.11	27.10	-10.82	18.63	-8.75	78.01	7.20	70.86	-12.30
	002320		51.49	-8.09	25.48	-31.50	24.01	-25.00	60.55	23.30	56.05	-3.88
	002330		37.71	-12.89	24.30	-30.32	30.05	-48.63	54.80	14.73	45.52	23.37
	002340		26.37	-13.92	24.23	-6.98	32.78	-72.05	53.33	1.29	44.05	33.71
	002350		23.86	-7.94	24.75	11.78	29.68	-60.97	45.67	4.98	47.80	20.12
	002360		20.84	-3.14	22.39	14.51	24.38	-17.54	34.03	20.05	43.53	1.07
	002370		24.60	-7.35	17.45	2.77	18.19	7.27	29.61	31.05	33.44	-5.43
	002380		32.26	-14.07	13.62	-10.08	15.91	.55	32.55	33.27	27.40	5.57
	002390		30.05	-12.74	12.52	-10.23	17.23	-3.95	32.55	31.05	31.30	27.73
	002400		13.70	-9.64	11.56	-.78	16.35	6.17	22.61	22.86	30.71	36.59
	002410		5.89	-6.61	8.98	.92	8.32	13.03	12.22	12.22	20.62	25.52
	002420		17.01	1.36	10.01	-21.38	3.02	15.03	7.88	7.64	8.69	9.12
	002430		29.76	17.91	17.38	-69.91	3.60	20.27	9.50	14.58	6.77	6.83
	002440		24.23	26.55	23.86	-95.61	8.98	29.13	11.04	24.04	9.64	14.44
	002450		15.46	21.60	20.62	-52.11	12.37	31.28	11.56	27.73	11.78	19.98
	002460		19.74	12.66	11.34	11.48	10.97	24.48	11.85	26.84	12.00	15.25
	002470		39.18	8.09	7.58	24.26	4.71	13.62	12.96	24.19	11.56	5.13
	002480		56.86	1.36	17.31	2.84	5.45	3.88	16.05	17.61	9.72	-8.09
	002490		62.32	-.25	33.88	-7.79	15.32	-1.22	23.64	9.34	13.70	-15.47
	002500		60.18	8.90	44.19	-6.09	28.21	4.47	32.26	2.47	21.95	-21.38
	002510		61.73	23.15	46.11	-1.22	31.23	13.11	36.97	.77	29.68	-24.12
	002520		63.49	29.87	46.40	16.87	29.09	17.32	36.53	2.40	29.90	-16.14
	002530		61.87	32.09	48.47	38.22	29.17	14.73	37.12	4.10	27.99	4.84
	002540		59.37	35.56	52.74	38.66	37.93	13.11	41.76	4.10	26.15	24.92
	002550		63.35	38.59	57.75	19.61	48.47	14.14	47.88	-6.09	31.60	30.24
	002560		66.59	23.89	57.60	8.53	53.25	16.36	50.53	-38.00	39.18	15.84
	002570		62.83	-11.56	48.54	14.95	50.38	15.62	48.02	-52.92	42.87	-1.88

60.18	30.46	.002070	347.40	19.88	24.38	-3.56	60.62	30.71	0.00708	21.57867432
59.59	26.40	.002080	340.77	5.11	21.55	-.97	55.76	33.47	0.00709	14.80149937
57.75	22.19	.002090	336.06	6.14	14.14	-5.28	52.67	35.19	0.0071	15.46448421
58.63	18.87	.002100	339.52	23.13	7.73	-8.06	47.12	36.96	0.00711	16.20113373
63.13	14.81	.002110	345.64	35.39	8.10	-1.29	38.91	38.12	0.00712	17.15877724
71.08	13.77	.002120	352.41	35.24	11.51	6.61	31.11	36.00	0.00713	20.03170967
74.40	14.88	.002130	356.10	27.71	12.22	5.80	25.70	30.69	0.00714	27.25087547
79.04	19.75	.002140	357.20	17.44	11.12	-1.84	25.68	25.98	0.00715	36.60632324
84.41	24.48	.002150	361.55	5.03	14.53	-6.93	32.75	26.16	0.00716	51.11831665
87.88	27.51	.002160	366.56	-3.83	24.65	-6.78	42.06	29.11	0.00717	66.58795166
87.66	24.85	.002170	360.81	-4.94	35.55	-4.03	49.84	29.21	0.00718	76.97470856
87.51	20.35	.002180	359.41	.82	41.64	-1.00	55.42	23.79	0.00719	77.78502655
81.98	11.78	.002190	377.31	-12.99	43.68	3.11	59.10	13.23	0.0072	78.15335083
79.26	4.32	.002200	405.01	-98.88	46.11	5.21	68.21	1.51	0.00721	83.60455322
81.47	.26	.002210	414.29	-243.56	49.23	-3.58	84.86	-2.60	0.00722	89.27675629
84.49	.48	.002220	405.30	-284.11	52.49	-19.12	96.89	2.84	0.00723	90.01340485
79.99	-2.99	.002230	394.40	-154.79	55.42	-21.75	99.52	6.83	0.00724	93.84397888
74.76	-13.55	.002240	392.19	-22.44	57.92	-5.97	102.93	1.32	0.00725	101.3578033
71.16	-30.69	.002250	397.64	-14.91	61.48	8.70	107.28	-8.93	0.00726	103.9360809
69.09	-37.34	.002260	408.85	-55.60	65.90	5.82	104.30	-12.05	0.00727	91.5603714
63.64	-27.96	.002270	418.71	-40.02	66.29	-6.29	95.96	-7.03	0.00728	72.18648529
59.37	-15.99	.002280	428.36	5.99	59.32	-7.89	89.52	-5.45	0.00729	58.19015121
55.46	-14.96	.002290	420.33	-10.99	46.72	.60	85.00	-10.30	0.0073	56.7905159
49.13	-18.21	.002300	397.20	-78.94	36.43	3.65	76.36	-12.72	0.00731	51.48664093
35.65	-15.10	.002310	374.37	-117.34	34.18	-6.56	61.51	-6.73	0.00732	37.71129608
21.73	-3.14	.002320	365.67	-124.88	33.66	-21.53	46.11	5.43	0.00733	26.36689568
14.88	3.21	.002330	363.09	-156.93	30.69	-30.61	38.40	13.77	0.00734	23.86228752
18.56	-5.80	.002340	362.28	-172.88	27.79	-30.98	38.64	9.73	0.00735	20.84202385
19.30	-24.71	.002350	366.93	-120.08	26.10	-19.04	37.59	.13	0.00736	24.59893608
10.60	-24.56	.002360	379.37	-48.66	22.54	-2.06	29.39	-1.15	0.00737	32.26008987
2.50	-2.99	.002370	395.29	-24.68	20.08	.90	21.85	7.54	0.00738	30.05014229
9.72	18.50	.002380	401.62	-32.85	20.60	-7.87	23.22	19.11	0.00739	13.69652557
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13.84	33.64	.002400	381.14	-7.67	13.87	-1.42	22.39	31.03	0.00741	17.01144791
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11.04	17.76	.002450	378.93	-19.04	16.15	.26	11.46	21.82	0.00746	39.1845932
9.28	3.21	.002460	381.14	-8.78	14.02	16.21	11.04	15.10	0.00747	56.86418152
6.55	-24.41	.002470	385.27	31.33	17.16	15.32	10.36	1.64	0.00748	62.31538773
10.16	-41.99	.002480	386.00	51.34	26.54	2.69	11.98	-10.82	0.00749	60.17910385
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31.97	-135.93	.002540	359.93	21.80	50.01	29.11	33.29	-35.64	0.00755	66.58795166
32.55	-90.29	.002550	360.07	-1.24	56.52	24.11	37.34	-22.05	0.00756	62.83103943
36.02	-38.30	.002560	360.96	15.09	59.15	16.26	41.91	-20.15	0.00757	51.19198227
39.48	-24.26	.002570	354.70	51.56	53.92	6.34	43.46	-26.36	0.00758	42.42585373

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002580	51.19	-30.47	36.83	22.12	45.96	16.87	45.08	-12.74	39.33	-15.77
002590	42.43	-2.84	35.43	18.87	40.66	19.53	42.87	30.98	33.73	-35.49
002600	41.69	32.68	44.27	15.84	38.89	6.98	39.63	24.85	29.61	-47.82
002610	43.60	38.44	50.68	17.83	40.95	-19.76	34.18	.63	33.00	-19.46
002620	37.86	30.09	47.36	23.96	43.53	-18.35	29.24	7.20	35.94	29.43
002630	28.43	36.52	37.56	38.51	41.54	17.10	24.23	34.75	33.44	48.11
002640	22.98	48.26	28.36	50.48	38.23	49.44	17.38	52.32	27.47	33.49
002650	27.10	47.67	26.37	45.01	33.59	54.17	11.27	59.41	26.59	27.73
002660	31.23	40.73	31.23	33.05	33.22	45.68	4.41	55.94	27.18	38.22
002670	27.10	42.80	30.86	29.06	34.40	39.25	.66	25.52	26.74	30.69
002680	14.06	50.04	23.27	31.28	33.00	40.29	3.53	-14.81	22.68	-6.91
002690	3.24	52.92	19.74	31.72	24.60	39.40	7.73	-12.67	22.54	-22.34
002700	1.47	51.59	28.13	34.89	20.99	39.33	7.36	27.07	28.58	4.84
002710	3.53	54.02	37.49	41.25	23.27	40.66	8.61	40.43	37.71	28.99
002720	.73	58.45	35.21	43.09	26.74	42.50	13.92	12.81	41.84	13.18
002730	-.01	58.75	22.98	37.04	20.03	39.33	17.09	-4.62	44.12	-22.27
002740	9.72	52.10	18.04	33.20	8.98	32.75	18.78	6.24	46.11	-42.87
002750	22.98	47.52	25.78	35.85	2.65	25.96	25.78	16.06	50.38	-41.62
002760	19.81	48.11	38.01	40.43	7.36	23.82	37.78	15.62	52.22	-30.32
002770	5.00	46.34	45.67	40.06	16.27	32.46	47.58	19.31	54.58	-6.54
002780	1.91	41.02	49.20	36.67	21.73	65.47	52.89	27.58	56.94	30.17
002790	20.55	47.38	51.56	38.44	19.81	101.36	53.03	31.72	60.84	74.55
002800	40.66	49.52	56.72	49.30	19.88	87.11	48.76	39.25	57.23	88.44
002810	50.38	21.67	61.51	61.85	25.85	33.12	45.30	49.59	50.68	56.31
002820	50.68	-3.21	62.61	76.40	36.31	7.72	47.80	42.43	47.29	22.86
002830	46.18	18.94	57.45	78.47	43.46	6.90	51.12	28.54	50.68	31.05
002840	44.78	56.98	51.56	52.18	47.73	7.49	48.32	37.04	51.34	52.40
002850	51.12	67.39	47.44	31.28	47.58	26.18	42.65	71.31	51.27	48.41
002860	54.21	59.93	45.67	46.27	44.27	62.00	41.25	92.50	52.44	24.78
002870	50.16	58.75	40.51	69.39	36.02	80.02	44.34	75.37	55.24	24.19
002880	43.09	61.04	34.10	64.81	27.25	70.94	44.05	52.18	54.14	50.04
002890	38.96	60.67	27.40	27.95	22.83	57.42	36.75	50.18	47.44	68.06
002900	32.19	59.64	23.27	-1.81	26.07	56.98	27.25	52.55	38.82	62.74
002910	25.48	62.37	22.09	15.32	26.81	51.22	24.89	48.41	36.39	51.51
002920	26.07	63.48	24.89	59.49	22.68	25.37	27.55	52.84	37.86	48.26
002930	36.09	62.66	25.34	80.68	16.86	8.82	23.49	66.80	37.71	54.47
002940	41.25	63.03	22.24	71.82	18.41	33.49	15.61	73.52	32.41	67.17
002950	34.54	67.10	18.41	64.36	19.52	68.20	13.70	68.79	27.10	79.58
002960	20.69	68.20	15.76	72.86	13.33	77.73	16.05	66.28	23.64	86.67
002970	13.25	67.24	10.31	79.95	1.17	64.51	16.50	74.63	24.45	117.83
002980	14.43	69.24	4.05	72.78	-4.28	66.73	18.19	85.85	24.67	160.30
002990	20.62	76.33	2.57	63.03	-4.72	89.40	22.39	86.52	24.75	133.49
003000	24.01	81.35	7.21	80.24	-1.77	94.79	24.08	85.25	23.94	57.27
003010	19.74	80.76	10.16	129.06	3.09	71.90	22.39	33.27	23.86	40.73
003020	8.54	75.52	11.34	154.17	9.87	61.70	21.80	46.79	21.51	80.68
003030	4.12	72.63	12.67	120.86	11.56	78.54	23.71	119.75	18.71	97.30
003040	14.73	67.76	14.06	76.25	8.83	93.46	24.75	150.48	16.50	78.03
003050	31.67	61.70	17.45	67.61	4.86	86.22	24.38	73.08	16.94	64.51
003060	38.01	68.50	25.92	82.83	4.41	76.03	23.94	5.06	12.81	44.57
003070	35.80	84.75	32.92	92.13	3.90	78.84	21.51	38.88	4.86	11.70
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42.72	-53.51	.002580	341.95	58.65	44.66	2.84	42.38	-27.34	0.00759	41.68920135
44.41	-92.58	.002590	334.29	34.95	39.50	11.85	40.34	-32.36	0.0076	43.60449219
46.11	-71.97	.002600	336.72	15.08	41.62	18.50	38.45	-31.65	0.00761	37.85862732
43.83	-3.14	.002610	336.65	14.41	45.08	12.17	37.00	-7.33	0.00762	28.42951393
42.35	41.76	.002620	333.26	29.18	42.92	11.90	35.85	26.13	0.00763	22.97830772
39.41	38.81	.002630	332.38	45.65	35.85	30.71	32.36	40.56	0.00764	27.10354424
36.75	38.14	.002640	338.64	57.10	29.85	49.40	27.20	41.32	0.00765	31.22878075
33.37	38.81	.002650	343.87	63.90	29.02	48.95	23.74	41.98	0.00766	27.10354424
35.06	-17.54	.002660	344.60	71.36	31.89	39.82	22.22	25.54	0.00767	14.06484985
33.88	-90.51	.002670	346.23	79.26	30.79	37.04	20.42	-11.44	0.00768	3.23610401
31.23	-75.07	.002680	356.83	79.73	23.44	40.53	19.15	-32.26	0.00769	1.46814537
32.26	-1.96	.002690	373.33	72.17	15.86	41.34	20.84	-12.32	0.0077	3.53076363
38.01	39.33	.002700	381.66	69.36	16.86	41.94	24.65	23.74	0.00771	0.73149592
37.56	35.56	.002710	376.06	77.63	21.43	45.31	27.96	34.99	0.00772	-0.00515347
31.30	36.00	.002720	368.55	89.01	20.89	48.02	29.02	20.67	0.00773	9.71861839
27.91	42.65	.002730	365.08	86.05	14.33	45.04	29.71	5.25	0.00774	22.97830772
36.61	26.55	.002740	372.01	73.05	12.25	39.35	33.83	-3.36	0.00775	19.81071472
49.06	2.18	.002750	385.71	61.39	17.13	36.45	41.74	-7.79	0.00776	5.00406265
56.64	2.92	.002760	399.19	57.84	21.73	37.46	48.68	-3.93	0.00777	1.91013503
55.69	9.34	.002770	403.39	60.94	22.32	39.62	52.62	7.37	0.00778	20.54736519
52.08	13.40	.002780	391.46	65.67	24.28	47.72	53.97	23.72	0.00779	40.65789413
51.12	38.81	.002790	376.35	72.91	30.64	62.39	55.00	48.36	0.0078	50.38166428
55.69	73.08	.002800	370.83	85.54	39.09	61.97	53.89	66.92	0.00781	50.67632675
59.52	76.48	.002810	368.84	95.36	45.91	38.88	51.83	60.79	0.00782	46.18276596
60.18	55.94	.002820	363.91	96.54	49.87	26.97	51.76	40.41	0.00783	44.78313065
57.90	42.65	.002830	353.89	86.64	49.03	34.77	53.23	34.08	0.00784	51.11831665
58.71	46.05	.002840	345.93	78.22	48.02	38.88	52.79	45.16	0.00785	54.21224213
56.64	46.05	.002850	343.87	82.43	48.71	41.62	50.19	55.25	0.00786	50.16067123
52.15	40.14	.002860	349.91	97.43	48.05	56.07	48.61	52.47	0.00787	43.08883667
44.56	33.34	.002870	360.88	102.89	42.23	69.39	48.05	44.30	0.00788	38.96360016
40.36	30.76	.002880	367.74	83.10	34.81	65.59	46.18	44.32	0.00789	32.18642426
36.97	27.88	.002890	369.50	60.57	29.73	48.68	40.39	48.71	0.0079	25.48291588
35.50	29.87	.002900	370.02	59.76	27.18	38.27	33.86	48.39	0.00791	26.07223511
34.18	34.01	.002910	368.69	66.48	24.80	42.97	31.82	44.64	0.00792	36.09066772
33.29	39.40	.002920	366.70	66.41	24.55	49.44	32.90	46.83	0.00793	41.24721527
26.96	43.39	.002930	364.42	69.07	26.10	50.72	29.39	54.88	0.00794	34.54370499
16.13	52.55	.002940	361.99	82.88	27.30	56.12	21.38	64.41	0.00795	20.69469452
3.97	69.53	.002950	354.92	97.94	24.16	66.55	14.62	72.63	0.00796	13.25453568
.66	94.42	.002960	347.26	117.44	16.59	72.93	13.45	82.46	0.00797	14.43317509
4.55	126.25	.002970	342.98	142.55	8.25	70.57	15.17	106.24	0.00798	20.62103081
8.32	154.76	.002980	339.01	157.10	4.73	69.58	17.06	133.64	0.00799	24.00961685
9.28	155.28	.002990	330.83	160.87	6.16	76.25	18.80	125.10	0.008	19.73705101
13.92	135.78	.003000	318.90	169.36	9.82	85.46	20.65	86.10	0.00801	8.53997993
17.23	122.71	.003010	306.15	185.46	11.00	93.90	21.16	65.57	0.00802	4.12008333
17.90	122.86	.003020	298.49	196.39	9.92	97.13	20.40	83.44	0.00803	14.7278347
17.38	120.20	.003030	294.51	190.04	9.45	90.88	19.93	112.42	0.00804	31.67077065
20.33	112.52	.003040	294.14	176.01	12.54	79.16	20.52	113.67	0.00805	38.00585474
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76.47515869	368.8406982	95.35851288	45.91265869	51.83041	38.88303757	60.79331207
55.94350815	363.9051514	96.54019165	49.86601257	51.75674438	26.9677887	40.40937042
42.64963531	353.8867188	86.64364624	49.03114319	53.23004532	34.77178574	34.08247375
46.04959892	345.9309082	78.22418976	48.02438736	52.78805161	38.88303757	45.16070175
46.04959892	343.8682861	82.43391418	48.71192932	50.18522644	41.61566544	55.25419617
40.13856888	349.9088135	97.42645264	48.04894257	48.6137085	56.0666008	52.47232819
33.34392546	360.8848877	102.8917084	42.22941208	48.04894257	69.38509369	44.29906082
30.75900459	367.7357178	83.09860992	34.81380844	46.18276596	65.59387207	44.32367706
27.87868592	369.5036926	60.57288361	29.73092842	40.38779068	48.6811142	48.70573425
29.87274742	370.0193481	59.76047897	27.17720985	33.85616302	38.26758194	48.38569641
34.0086174	368.6933594	66.48126984	24.79537582	31.81810188	42.96967316	44.6437149
39.4000206	366.7044067	66.4074173	24.54982758	32.89852142	49.44428253	46.8347435
43.38318359	364.4208069	69.06619263	26.09679031	29.38715744	50.7244339	54.88492203
52.54618454	361.9898682	82.87704468	27.29998589	21.38223457	56.1158371	64.41220093
69.53279877	354.9180298	97.94343567	24.15694809	14.92427444	66.5539856	72.63470459
94.42188263	347.2568665	117.4411163	16.59401321	13.45097637	72.93012238	82.45739746
126.2533264	342.984314	142.5517578	8.24532032	15.18982365	70.56677246	106.2386627
154.7612915	339.0064087	157.1011658	4.73395777	17.06055832	69.58203888	133.6388092
155.2782745	330.8295898	160.8677673	6.15814686	18.80396271	76.25359344	125.0962677
135.7805939	318.895874	169.3610687	9.81683826	20.64558601	85.46083069	86.10090637
122.7082901	306.151825	185.4614258	10.99547768	21.16123962	93.9048996	65.56925964
122.8560028	298.4906921	196.3919525	9.91505909	20.40003586	97.12989807	83.44213104
120.1972275	294.5127869	190.0404358	9.44851398	19.93349075	90.67990875	112.4178467
112.5163193	294.1444397	176.0080109	12.54244137	20.52280998	79.15854645	113.6733856
103.3583221	291.9345093	164.1912384	17.99364662	20.57192039	71.8469162	80.31561279
95.89897919	287.4409485	154.3685455	22.78186798	17.94453812	75.7858429	48.50878525
89.03047943	282.7263794	132.1382294	24.2060585	12.93632085	85.23926544	46.5393219
86.81483459	277.1278381	101.9315949	24.84448624	8.83463955	88.11960602	65.39692688
82.97438049	271.6766357	94.54611206	29.90281296	7.23856592	84.15605927	79.89709473
79.13393402	268.6563721	112.0497131	37.88318253	8.88374901	86.15014648	85.14079285

	.003090			60.25	73.45	25.11	88.74	4.34	90.29	14.88	97.01	-2.88	59.71
	.003100			76.75	67.24	25.11	100.11	11.78	91.10	13.55	67.02	2.57	109.27
	.003110			78.74	74.85	26.66	126.11	15.54	93.90	14.06	58.23	7.66	115.03
	.003120			69.61	84.60	26.59	136.67	14.21	95.38	15.76	77.14	5.00	63.92
	.003130			58.78	90.95	24.16	116.36	12.22	92.72	13.99	107.79	-1.77	18.72
	.003140			47.73	92.28	22.83	96.05	15.02	104.76	9.94	111.85	-5.90	27.58
	.003150			41.03	89.77	18.85	95.09	13.55	138.29	7.51	80.02	-3.54	57.72
	.003160			37.56	85.12	13.55	104.10	9.13	155.65	6.77	60.23	-4.43	63.26
	.003170			36.24	79.13	8.25	105.87	8.25	123.89	2.79	72.78	-11.35	54.10
	.003180			32.92	75.81	7.29	102.18	16.57	89.62	-2.29	86.08	-16.14	57.13
	.003190			28.50	83.57	10.68	100.85	24.97	92.35	-4.65	74.92	-10.61	77.21
	.003200			20.25	98.34	17.01	103.51	28.43	112.96	-3.47	60.15	-3.76	94.13
	.003210			9.87	108.53	18.93	107.27	23.86	114.07	-1.48	72.19	-1.48	97.89
	.003220			2.06	108.53	14.51	111.19	19.74	101.88	-2.80	94.79	-4.28	94.94
	.003230			-1.70	105.43	5.89	112.22	17.23	95.23	-5.75	98.19	-6.12	94.20
	.003240			-3.76	105.28	1.84	110.30	20.40	104.17	-6.34	81.05	-4.57	91.54
	.003250			-4.43	108.09	2.79	107.86	25.04	114.95	-3.54	59.05	.51	82.24
	.003260			-1.99	109.19	4.93	109.12	26.59	118.57	-1.85	45.68	2.65	74.26
	.003270			5.00	108.45	4.93	112.07	20.40	114.29	-2.66	58.75	1.91	79.28
	.003280			13.84	109.27	4.19	109.93	14.43	112.96	-3.25	89.62	-1.15	89.18
	.003290			22.02	115.69	1.91	99.15	14.51	125.37	-.59	105.50	1.10	96.79
	.003300			27.47	122.56	3.53	88.44	21.36	157.27	5.00	100.92	3.46	98.34
	.003310			34.47	122.71	10.75	84.60	26.66	166.73	9.35	94.72	6.33	95.68
	.003320			42.43	115.47	20.62	90.36	32.41	137.48	13.40	94.42	5.89	88.66
	.003330			52.15	112.89	24.23	103.28	34.54	108.90	16.20	90.06	5.45	82.53
	.003340			61.58	117.61	21.80	117.83	30.05	101.88	16.13	77.80	5.67	78.84
	.003350			68.72	125.29	20.40	118.57	20.18	100.99	14.43	72.12	5.81	78.10
	.003360			69.24	127.44	26.00	107.05	19.59	109.41	15.17	77.14	4.19	74.85
	.003370			67.62	124.85	32.26	101.22	26.96	121.53	17.67	80.68	6.04	72.19
	.003380			67.18	121.08	36.31	106.53	35.06	126.99	19.15	79.13	10.46	74.26
	.003390			68.43	119.61	36.24	110.82	33.59	122.12	20.18	79.13	17.01	79.36
	.003400			66.07	121.38	37.56	120.20	29.68	119.02	20.92	81.20	22.09	77.66
	.003410			60.03	126.25	36.83	117.32	28.65	119.31	20.47	79.87	27.69	74.70
	.003420			52.44	130.39	33.29	88.22	34.69	118.72	19.30	80.39	27.84	74.26
	.003430			47.44	131.94	25.41	68.20	38.60	110.30	17.01	85.41	20.77	73.82
	.003440			41.69	141.91	18.34	78.32	39.04	102.62	13.18	85.26	13.84	68.35
	.003450			32.85	165.69	16.42	88.59	35.35	103.80	12.67	75.74	18.12	64.88
	.003460			22.54	170.71	21.43	84.23	33.95	117.76	18.12	67.76	27.03	67.46
	.003470			16.35	140.73	27.47	80.17	33.07	133.64	22.98	79.21	30.64	69.31
	.003480			11.71	110.74	29.31	86.52	33.73	139.33	20.92	106.53	28.06	58.90
	.003490			7.73	107.20	25.78	91.69	35.65	124.63	14.88	106.38	27.10	43.24
	.003500			7.21	113.40	21.06	86.96	38.82	105.28	11.85	67.17	28.87	35.12
	.003510			11.78	110.60	19.59	79.58	37.71	95.75	11.93	39.77	31.97	39.92
	.003520			18.71	103.58	21.95	79.72	34.76	97.60	11.63	53.95	29.83	43.39
	.003530			27.55	105.50	22.90	82.46	32.70	100.99	10.31	74.85	27.40	38.07
	.003540			36.83	111.93	23.20	81.72	34.40	105.20	8.61	73.89	27.77	34.01
	.003550			44.71	113.55	22.39	77.36	36.24	106.76	6.33	64.07	29.17	41.39
	.003560			49.94	108.09	21.21	76.92	35.87	104.54	8.32	66.28	25.11	51.29
	.003570			55.83	103.88	20.69	79.06	32.55	100.26	14.43	75.15	23.13	54.39
	.003580			60.99	106.90	23.71	84.01	31.45	100.11	20.62	79.72	27.32	53.14
	.003590			66.15	113.92	28.43	88.44	30.93	100.03	23.35	79.72	31.67	56.68

9.72	82.97	.003090	271.68	94.55	29.90	84.16	7.24	79.90	0.0081	78.74266815
10.53	79.13	.003100	268.66	112.05	37.88	86.15	8.88	85.14	0.00811	69.60821533
10.38	73.96	.003110	272.12	129.33	40.31	98.29	10.70	82.41	0.00812	58.77946854
10.53	65.47	.003120	283.91	137.16	36.80	105.55	10.43	68.84	0.00813	47.7297287
9.35	50.55	.003130	296.35	142.63	31.72	100.01	7.19	59.02	0.00814	41.02621841
11.63	40.88	.003140	305.12	154.00	28.53	97.70	5.23	60.10	0.00815	37.56396484
12.44	43.39	.003150	304.31	159.83	24.48	107.72	5.47	60.37	0.00816	36.23799896
11.93	55.94	.003160	298.27	156.58	20.08	114.95	4.76	59.81	0.00817	32.92307663
8.61	68.35	.003170	299.30	153.85	17.58	102.96	.02	65.08	0.00818	28.50317955
6.18	79.28	.003180	310.06	156.14	18.93	89.20	-4.08	74.16	0.00819	20.25270462
1.47	86.22	.003190	320.74	163.82	21.38	92.26	-4.60	79.45	0.0082	9.86594868
-3.32	91.39	.003200	318.09	173.20	21.90	104.93	-3.52	81.89	0.00821	2.05746484
-6.49	91.76	.003210	307.04	182.80	17.55	109.96	-3.15	87.28	0.00822	-1.69944715
-5.01	89.18	.003220	298.86	189.15	12.10	107.20	-4.03	92.97	0.00823	-3.76206541
-1.48	92.72	.003230	296.94	186.94	7.14	104.29	-4.45	95.04	0.00824	-4.42504978
1.32	109.86	.003240	298.27	179.26	6.16	106.58	-3.20	94.15	0.00825	-1.99410689
.73	129.43	.003250	299.23	174.97	7.80	110.30	-.77	90.24	0.00826	5.00406265
1.62	136.45	.003260	303.65	176.01	9.84	112.29	.81	85.46	0.00827	13.84385586
4.41	127.66	.003270	312.05	178.08	10.11	111.61	1.22	88.56	0.00828	22.02066422
7.51	116.65	.003280	316.91	177.19	10.82	110.72	1.37	98.48	0.00829	27.47187042
5.00	105.94	.003290	314.18	170.54	12.81	113.40	1.84	102.74	0.0083	34.47003937
7.38	97.45	.003300	311.16	160.65	17.45	122.76	5.27	98.90	0.00831	42.42585373
16.94	92.06	.003310	315.21	155.62	23.96	124.68	10.67	94.15	0.00832	52.14962387
26.44	93.31	.003320	320.15	154.15	31.82	114.44	15.24	92.13	0.00833	61.57873535
26.22	92.87	.003330	320.88	150.82	36.97	108.36	15.96	88.49	0.00834	68.72423553
24.30	88.14	.003340	323.68	146.69	37.81	112.44	15.37	81.60	0.00835	69.23989105
23.13	75.88	.003350	330.61	147.65	36.43	114.95	14.46	75.37	0.00836	67.6192627
23.79	65.54	.003360	338.86	153.11	38.28	114.63	14.38	72.51	0.00837	67.17726898
23.57	62.07	.003370	339.60	157.84	42.28	115.86	15.76	71.65	0.00838	68.42957306
27.10	63.33	.003380	335.91	161.31	46.18	118.20	18.90	72.24	0.00839	66.07229614
32.85	59.56	.003390	333.56	167.22	46.08	117.51	23.35	72.68	0.0084	60.03177261
39.26	56.90	.003400	330.68	167.74	44.44	120.20	27.42	71.92	0.00841	52.44428635
41.54	61.93	.003410	324.27	161.09	41.84	120.96	29.90	72.17	0.00842	47.43507004
38.60	75.81	.003420	317.50	153.56	40.14	112.44	28.58	76.82	0.00843	41.68920135
31.23	90.06	.003430	319.04	150.16	37.15	103.48	23.00	83.10	0.00844	32.84941101
26.29	95.53	.003440	327.74	152.82	33.02	107.62	17.77	83.05	0.00845	22.53631783
24.16	91.47	.003450	332.08	158.87	28.21	119.36	18.31	77.36	0.00846	16.34846306
20.84	91.54	.003460	329.06	164.93	25.97	124.23	22.00	75.59	0.00847	11.70757198
13.70	99.07	.003470	322.06	166.41	25.63	118.18	22.44	82.53	0.00848	7.72966528
8.69	99.96	.003480	320.44	166.55	24.92	112.20	19.22	89.13	0.00849	7.21401072
8.25	89.92	.003490	324.49	170.25	23.05	107.84	16.74	80.51	0.0085	11.78123665
11.27	86.52	.003500	328.40	174.53	22.36	101.88	17.33	82.94	0.00851	18.70574188
10.90	89.33	.003510	331.20	175.42	23.03	95.31	18.26	56.34	0.00852	27.54553413
9.42	86.52	.003520	333.41	173.05	25.14	93.63	16.66	61.29	0.00853	36.82731628
8.69	75.29	.003530	337.53	172.39	27.72	96.32	15.46	62.74	0.00854	44.70946503
12.44	72.19	.003540	343.06	174.09	31.47	99.82	16.27	60.03	0.00855	49.93967819
14.21	76.77	.003550	346.67	174.97	34.45	99.22	16.57	60.74	0.00856	55.83287048
13.62	82.24	.003560	345.86	176.08	35.67	96.51	15.69	66.60	0.00857	60.98941803
11.49	84.16	.003570	339.15	174.97	36.36	94.40	16.35	71.23	0.00858	66.14596558
15.39	87.18	.003580	332.82	171.95	38.72	97.01	21.11	73.35	0.00859	69.68187714
21.06	88.00	.003590	334.66	168.18	41.84	100.80	25.36	74.80	0.0086	71.59716797

26.66155434	15.53814888	14.06484985	7.65600061	10.38160324
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22.83097839	15.02249432	9.93961334	-5.89834881	11.63390732
18.85307121	13.54919529	7.50867033	-3.5410707	12.4442215
13.54919529	9.12929916	6.77202129	-4.42504978	11.92856693
8.24532032	8.24532032	2.79411435	-11.34955406	8.6136446
7.28767586	16.56945801	-2.28876662	-16.13777542	6.18270159
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17.01144791	28.42951393	-3.4674058	-3.76206541	-3.32007575
18.92673683	23.86228752	-1.47845232	-1.47845232	-6.48766804
14.50683975	19.73705101	-2.80442119	-4.27771997	-5.01436849
5.88804197	17.23244286	-5.751019	-6.11934376	-1.47845232
1.83547001	20.40003586	-6.34033823	-4.57237959	1.32081544
2.79411435	25.04092598	-3.5410707	0.51050109	0.73149592
4.93039751	26.58789063	-1.84677696	2.64678431	1.61547518
4.93039751	20.40003586	-2.65709138	1.91013503	4.41474295
4.193748	14.43317509	-3.24641085	-0.15248336	7.50867033
1.91013503	14.50683975	-0.594473	1.09982061	5.00406265
3.53076363	21.35767937	5.00406265	3.45709872	7.36134052
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24.2306118	34.54370499	16.20113373	5.44605207	26.21956635
21.79966927	30.05014229	16.12746811	5.66704702	24.30427742
20.40003586	20.17904091	14.43317509	5.81437683	23.12563705
25.9985714	19.58972168	15.1698246	4.193748	23.7886219
32.26008987	26.9562149	17.67443275	6.03537178	23.58762695
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36.23799896	33.58605957	20.17904091	17.01144791	32.84941101
37.56396484	29.68181801	20.91588947	22.09432793	39.25825882
36.82731628	28.65050888	20.47389957	27.69286346	41.54187393
33.29140091	34.69103241	19.29506111	27.8401947	38.59527588
25.40925026	38.59527588	17.01144791	20.76836014	31.22878075
18.3374176	39.03726578	13.18087101	13.84385586	26.29323006
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27.47187042	33.07040405	22.97830772	30.63946152	13.69652557
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19.58972168	37.71129608	11.92856693	31.96543121	10.8972578
21.9469986	34.76469803	11.63390732	29.82914734	9.42395878
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23.19930267	34.39637375	8.6136446	27.76652908	12.4442215
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20.69469452	32.55474854	14.43317509	23.12563705	11.48657703
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28.42951393	30.93412209	23.346632	31.67077065	21.0630188
32.40742111	31.08145142	25.18825722	29.90281296	27.47187042
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74.85034943	126.1056137	93.9048996	58.23300934	115.0273895
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89.76902771	95.08657837	138.2916718	80.02018738	57.71602631
85.11517279	104.0968704	155.6475525	60.22708893	63.2551364
79.13393402	105.8693848	123.8899689	72.7824173	54.09713745
75.81046295	102.1766434	89.62132263	86.07628632	57.12518692
83.56522369	100.8472595	92.3539505	74.92420197	77.21370697
98.33518927	103.5060272	112.9594498	60.15323639	94.12646484
108.5281601	107.2726288	114.057276	72.1915741	97.89305878
108.5281601	111.1869354	101.8812256	94.79116058	94.93886566
105.4262543	112.2209015	95.23429108	98.18848419	94.20031738
105.2785492	110.3006744	104.170723	81.05415344	91.54154205
108.0850296	107.8634644	114.9535294	59.04541016	82.23583221
109.1928558	109.1190033	118.5724182	45.67768478	74.25951385
108.4543076	112.0731964	114.2888413	58.74999237	79.2816391
109.2567084	109.9314041	112.9594498	89.62132263	89.17819214
115.6920776	99.14859772	125.3670654	105.5001144	96.78524017
122.560585	88.43964386	157.2723541	100.9211121	98.33618927
122.7082901	84.59918976	166.7257843	94.71730042	95.67741394
115.47052	90.35987091	137.4792633	94.42188263	88.66120811
112.8855972	103.2844696	108.8974381	90.0644455	82.53125763
117.6123047	117.8338699	101.8812256	77.80454254	78.83850861
125.2932129	118.5724182	100.9949646	72.11772156	78.09996033
127.4350052	107.0510635	109.4144211	77.1398468	74.85034943
124.8500824	101.2165299	121.5266113	80.68488312	72.1915741
121.0834885	106.5340805	126.9918747	79.13393402	74.25951365
119.6063843	110.8176575	122.1174545	79.13393402	79.35549927
121.3789063	120.1972275	119.0155487	81.20186615	77.65683746
126.2533264	117.3168869	119.3109665	79.8724823	74.70263672
130.3891907	88.21807861	118.7201309	80.38946533	74.25951365
131.940155	68.20341492	110.3006744	85.41159058	73.81638336
141.910553	78.32152557	102.6197739	85.2638855	68.35112
165.6918182	88.58734894	103.8014526	75.73661041	64.87994385
170.7139435	84.2299118	117.7600174	67.76028442	67.46486664
140.7288818	80.16790009	133.6388092	79.20778656	69.31123352
110.7438049	86.51941681	139.3256378	108.5281601	58.89770126
107.1987763	91.68925476	124.6285172	108.3804474	43.2404747
113.4025803	86.9625473	105.2785492	67.16944885	35.11643982
110.5960999	79.57705688	95.75127411	39.76929474	39.91700745
103.5798874	79.72476959	97.59764099	53.94942856	43.39818359
105.5001144	82.45739746	100.9949646	74.85034943	38.07063675
111.9254837	81.71884918	105.204689	73.8902359	34.0086174
113.550293	77.36141205	106.7556458	64.06754303	41.394104
108.0850296	76.91828918	104.5400009	66.28318787	51.29065323
103.8753052	79.06007385	100.2564163	75.14576721	54.39255524
106.9033508	84.00835419	100.1087112	79.72476959	53.13702393
113.9195633	88.43964386	100.0348511	79.72476959	56.68205643
116.5044861	90.80299377	102.0289307	78.54309082	60.81792831
115.1750946	87.99651337	104.9831314	73.96408844	60.52251053

73.96408844	272.1186218	129.3317413	40.31412506	10.70081806	98.28695679	82.40816498
65.47078705	283.9050293	137.1603546	36.80276108	10.43071365	105.5493469	68.8434906
50.55210495	296.3544006	142.6256256	31.71988106	7.18945599	100.010231	59.02079391
40.87712097	305.1205139	153.9992676	28.52773285	5.22505713	97.69611359	60.10400009
43.38818359	304.3102112	159.8338013	24.47616196	5.4706068	107.7157593	60.37479782
55.94350815	298.2696838	156.5841827	20.08082008	4.75851297	114.9535294	59.80857849
68.35112	299.3009949	153.8515625	17.57621384	0.01940163	102.9644318	65.07688904
79.2816391	310.0560913	156.1410523	18.92673683	-4.08128023	89.20281219	74.16104126
86.22399902	320.7374878	163.8219605	21.38223457	-4.5969348	92.25547791	79.45397186
91.39383698	318.0855713	173.2015228	21.89788818	-3.51651573	104.9338913	81.89118195
91.7631073	307.0358276	162.8026581	17.55165863	-3.14819098	109.9560242	87.28257751
89.17819214	298.8590088	189.1541748	12.10045147	-4.0321703	107.1987763	92.96940613
92.72322083	296.9437256	186.9385223	7.14034605	-4.44960499	104.2938156	95.03733826
109.8575516	298.2696838	179.2576294	6.15814686	-3.19730091	106.583313	94.1510849
129.4290772	299.2273254	174.9740448	7.80333042	-0.7663579	110.3006744	90.23677063
136.4452972	303.6472168	176.0080109	9.84139347	0.80516082	112.2947617	85.46083069
127.6565628	312.045044	178.075943	10.11149883	1.22259557	111.6054459	88.56272888
116.6521912	316.9069214	177.189682	10.82359314	1.36992538	110.7191849	98.48390198
105.9432373	314.1813049	170.5427551	12.81254673	1.83647013	113.4025803	102.7428665
97.44993591	311.1610413	160.6462097	17.45343781	5.27416706	122.7575302	98.90241241
92.05853271	315.212616	155.8240692	23.96050644	10.8727026	124.6777573	94.1510849
93.31406403	320.1481628	154.1489727	31.81810188	15.24348927	114.436554	92.13238525
92.87093353	320.8848267	150.8235016	36.97464752	15.95558357	108.355835	88.48887634
88.14422607	323.684082	146.6876373	37.80951691	15.36626434	112.4424667	81.59575653
75.88431549	330.6086121	147.6477509	36.4344368	14.45772934	114.9535294	75.36733246
65.54463959	338.8590698	153.1130066	38.27606201	14.38406467	114.6334992	72.51161194
62.07345963	339.5957336	157.8397217	42.27852249	15.75914383	115.8644104	71.64997101
63.32899475	335.9124756	161.3108978	46.18276215	18.90218163	118.2031479	72.24081421
59.562397	333.5552063	167.2192841	46.08454514	23.34663391	117.5138321	72.6839447
56.90362167	330.682251	167.7362671	44.43936157	27.4227581	120.1972275	71.92077637
61.92575073	324.273407	161.089325	41.83653259	29.90281296	120.9603958	72.16695404
75.81046295	317.4962463	153.5581371	40.14223862	28.57684326	112.4424667	76.81981659
90.0544455	319.0432129	150.1588135	37.14653015	23.00286293	103.4814148	83.09747314
95.52970886	327.7356567	152.8175812	33.02129364	17.77265167	107.6172867	83.04824066
91.46768951	332.0819092	158.8736877	28.20851898	18.3128624	119.3602066	77.36141205
91.54154205	329.0616455	164.9297791	25.97401619	21.99610901	124.2346268	75.58889771
99.07473755	322.0634766	166.4068756	25.63024521	22.43809891	118.1785278	82.53125
99.96099854	320.4428406	166.554596	24.91815186	19.22139549	112.1962891	89.12895203
89.91674042	324.4944153	170.2473297	23.05197334	16.74134254	107.8388519	80.51255798
86.51941681	328.3986511	174.5309143	22.36443329	17.33066177	101.8812256	62.93510056
89.32589722	331.1979065	175.4171753	23.02741814	18.26375198	95.30814362	56.33739853
86.51941681	333.4078674	173.0538178	25.1391468	16.96233749	93.63410187	61.28567505
75.29347992	337.5331116	172.3891296	27.71741867	15.46448421	96.31748962	62.73815536
72.1915741	343.0579834	174.0877838	31.4743309	16.27479935	99.61634064	60.03014374
76.77057648	346.6675415	174.9740448	34.44548416	16.58945801	99.22245026	60.74407578
82.23583221	345.8572388	176.0818634	35.67323303	15.68547916	96.51444244	66.60322571
84.15605927	339.153717	174.9740448	36.36077118	16.34846306	94.39726257	71.23146057
87.18411255	332.8185425	171.9459992	38.71805191	21.11212921	97.00680542	73.34863281
87.99651337	334.6601563	168.1793976	41.83653259	25.36013985	100.7980194	74.80111694
86.59326935	339.8167114	163.4526825	44.39025116	27.52098063	103.1121368	75.31809998
81.4234314	342.1003418	161.3847504	43.87459564	29.26438332	102.7182465	71.97000885

003600	69.68	116.50	32.41	90.80	31.08	102.03	25.19	78.54	29.90	60.82
003610	71.60	115.18	31.08	88.00	28.95	104.98	28.28	73.96	30.05	60.52
003620	71.82	113.40	28.95	83.27	29.76	112.59	30.64	65.69	34.25	55.50
003630	71.01	114.95	28.06	77.51	31.89	116.14	28.72	58.97	34.84	51.00
003640	66.15	116.36	29.90	75.00	36.83	114.73	22.98	55.06	26.81	45.83
003650	58.93	117.32	28.58	73.23	38.30	109.71	21.36	54.17	20.47	39.77
003660	54.65	118.72	27.40	74.26	36.83	110.60	25.34	50.33	20.62	31.79
003670	56.13	121.08	27.40	75.22	34.62	118.65	28.80	42.21	24.67	27.21
003680	57.60	120.12	28.13	75.22	37.20	124.92	26.81	36.52	23.57	25.81
003690	54.58	116.80	26.29	71.45	40.51	119.24	21.95	37.18	19.88	26.40
003700	49.35	114.44	25.11	65.84	42.72	119.53	19.15	46.64	15.46	31.28
003710	46.55	112.29	27.99	61.70	40.81	130.76	19.88	66.50	11.93	57.57
003720	46.70	109.41	30.57	58.90	40.51	125.00	23.13	69.53	7.80	85.63
003730	46.33	108.75	29.39	55.50	39.04	96.34	25.04	39.77	6.62	69.83
003740	38.96	110.89	26.22	52.40	36.83	81.28	22.83	15.54	7.95	23.45
003750	28.65	111.93	22.17	52.32	34.84	91.39	15.91	24.63	8.69	6.24
003760	22.54	108.82	18.85	54.32	36.46	102.99	9.72	43.09	5.52	21.23
003770	20.33	107.49	16.50	54.91	37.05	99.81	7.51	44.42	2.20	31.42
003780	15.32	109.71	17.38	62.89	37.27	95.53	8.98	37.18	-1.63	22.86
003790	14.14	109.49	19.22	75.44	36.75	96.27	8.98	36.89	-4.28	13.99
003800	28.87	105.43	20.33	73.15	38.01	97.82	8.25	43.98	-5.31	13.11
003810	55.17	104.61	20.03	56.02	38.15	95.97	7.29	46.56	-2.80	16.14
003820	71.01	107.35	22.24	48.34	38.45	96.49	8.17	45.01	.07	18.13
003830	71.97	109.56	24.23	53.73	38.01	98.56	11.04	43.24	4.41	21.90
003840	61.87	108.53	25.11	56.90	39.48	102.92	14.29	40.14	9.79	24.19
003850	47.44	106.16	22.09	52.10	41.47	104.47	15.91	33.71	11.27	23.74
003860	37.34	102.32	23.13	52.69	45.67	101.07	15.17	26.18	2.20	19.68
003870	40.22	99.52	27.10	60.74	46.55	90.51	15.91	21.08	-6.34	16.43
003880	50.09	96.34	31.52	67.69	44.34	84.97	17.45	19.24	-6.86	13.11
003890	55.83	94.20	29.98	63.99	41.98	86.74	18.34	16.87	.44	13.99
003900	54.80	93.90	30.27	56.39	45.23	91.10	20.18	14.73	5.89	17.61
003910	53.18	95.90	34.47	50.77	50.31	90.58	23.13	15.54	8.47	22.04
003920	57.16	94.79	39.33	49.89	53.92	88.14	26.59	18.20	8.91	24.19
003930	63.35	89.92	40.07	47.97	51.41	85.04	29.46	19.39	12.96	25.96
003940	65.41	86.74	39.33	46.93	48.10	83.42	32.26	18.87	18.56	25.37
003950	60.03	85.93	40.81	46.64	46.77	84.38	33.88	16.36	23.71	25.96
003960	53.55	82.53	44.49	44.72	50.38	90.21	35.80	14.29	24.08	28.17
003970	51.12	76.48	44.93	38.96	53.92	93.02	36.90	13.85	23.86	32.01
003980	50.75	69.31	44.64	33.49	54.73	89.33	37.05	15.47	20.84	29.28
003990	49.28	65.25	46.55	31.57	52.74	84.60	37.34	15.84	18.26	23.23
004000	51.27	64.73	50.46	34.08	53.55	85.49	41.25	14.95	16.64	15.91
004010	56.20	62.44	51.41	35.71	54.43	84.89	43.90	10.82	19.44	9.86
004020	57.53	57.86	50.38	36.96	54.14	79.43	40.58	3.43	22.17	3.88
004030	54.51	56.24	48.76	38.22	49.94	75.00	33.73	-12.30	24.53	.85
004040	50.53	58.90	51.27	43.31	45.30	79.28	31.23	-35.19	23.86	-3.07
004050	47.58	61.85	51.41	44.57	40.73	82.46	32.19	-38.89	26.44	-7.57
004060	45.30	60.67	48.47	39.10	39.04	80.46	32.26	-10.08	33.59	-11.41
004070	46.62	58.68	42.20	30.24	37.93	76.33	30.05	16.06	40.95	-12.89
004080	52.37	59.49	40.07	27.58	38.15	74.70	31.08	11.70	40.36	-14.22
004090	57.16	60.45	41.10	27.29	40.07	72.86	36.24	-2.70	37.42	-10.82
004100	57.45	61.78	45.96	25.81	46.11	71.31	40.95	-5.65	36.46	-6.09

27.47	86.59	.003600	339.82	163.45	44.39	103.11	27.52	75.32	0.00861	71.81816101
29.46	81.42	.003610	342.10	161.38	43.87	102.72	29.26	71.97	0.00862	71.00785065
27.99	77.44	.003620	340.26	159.02	43.51	103.09	30.96	66.21	0.00863	66.14596558
23.71	74.33	.003630	340.11	153.70	43.65	102.87	29.09	61.43	0.00864	58.92679977
23.42	72.49	.003640	341.14	145.28	44.29	102.03	24.40	57.79	0.00865	54.65423203
24.89	65.54	.003650	340.70	140.93	41.93	100.08	22.24	53.16	0.00866	56.12753296
27.91	55.13	.003660	341.07	144.25	39.63	101.19	24.62	45.75	0.00867	57.60083008
28.58	44.72	.003670	340.92	147.35	39.38	104.98	27.35	38.05	0.00868	54.58056641
27.99	39.03	.003680	338.71	145.58	40.98	106.76	26.12	33.79	0.00869	49.35035706
26.22	33.71	.003690	335.03	142.26	40.46	102.50	22.68	32.43	0.0087	46.55109024
24.23	28.69	.003700	331.27	141.00	39.06	99.94	19.61	35.53	0.00871	46.69841766
18.12	25.88	.003710	331.86	144.69	38.45	101.59	16.64	49.99	0.00872	46.33009338
11.49	28.47	.003720	330.53	147.65	39.26	97.77	14.14	61.21	0.00873	38.96360016
6.70	31.42	.003730	326.63	150.45	38.25	86.86	12.79	47.01	0.00874	28.65050888
8.25	33.42	.003740	322.14	153.41	34.00	81.52	13.01	24.14	0.00875	22.53631783
9.42	31.87	.003750	321.62	154.44	28.55	85.21	11.34	20.91	0.00876	20.32637024
10.60	31.87	.003760	326.19	153.63	25.95	88.71	8.61	32.06	0.00877	15.31715393
10.31	31.87	.003770	330.39	152.89	24.62	87.41	6.67	35.90	0.00878	14.13851547
11.49	34.89	.003780	331.05	152.60	23.32	89.38	6.28	31.65	0.00879	28.87150383
10.09	39.18	.003790	330.02	151.86	23.37	93.73	4.93	30.02	0.0088	55.16988754
9.20	46.71	.003800	327.81	150.08	29.07	92.13	4.05	34.60	0.00881	71.00785065
10.38	51.07	.003810	324.94	148.83	37.78	85.53	4.95	37.92	0.00882	71.96549225
17.23	54.61	.003820	322.36	148.68	43.90	84.06	8.49	39.25	0.00883	61.87339783
23.20	58.16	.003830	323.68	149.12	44.73	87.28	12.89	41.10	0.00884	47.43507004
23.94	62.07	.003840	324.27	144.55	42.16	89.45	16.00	42.13	0.00885	37.3429718
20.18	61.26	.003850	322.43	138.27	37.00	87.58	15.78	39.57	0.00886	40.21590424
20.03	58.45	.003860	319.56	138.49	35.38	85.36	12.47	34.77	0.00887	50.08700562
22.90	54.76	.003870	317.05	145.58	37.96	83.59	10.82	30.76	0.00888	55.83287048
25.04	50.77	.003880	318.82	151.49	41.98	83.00	11.88	27.71	0.00889	54.80156326
24.89	45.75	.003890	323.61	150.08	42.60	81.64	14.56	25.54	0.0089	53.18093491
26.37	42.13	.003900	326.41	142.55	43.43	80.46	17.48	24.83	0.00891	57.15884018
27.99	36.82	.003910	325.97	138.56	45.99	79.08	19.86	24.80	0.00892	63.34669495
31.08	28.84	.003920	323.83	139.08	50.14	77.61	22.19	23.74	0.00893	65.40931702
36.61	20.27	.003930	325.38	138.19	51.61	74.31	26.34	21.87	0.00894	60.03177261
42.28	16.21	.003940	326.63	131.70	50.95	72.36	31.03	20.15	0.00895	53.54925919
40.95	14.14	.003950	326.93	128.81	49.20	72.31	32.65	18.82	0.00896	51.11831665
35.43	13.70	.003960	323.83	129.33	49.47	72.49	31.77	18.72	0.00897	50.74999237
27.99	12.59	.003970	320.59	127.71	49.99	69.48	29.58	19.48	0.00898	49.27669144
25.70	15.77	.003980	320.74	121.36	50.04	64.04	27.66	20.17	0.00899	51.26564407
25.04	19.98	.003990	326.85	116.33	49.52	60.47	26.88	19.68	0.009	56.20119476
26.37	24.92	.004000	333.78	114.27	51.76	61.43	28.09	18.60	0.00901	57.52716446
25.34	24.92	.004010	334.95	114.19	54.02	61.01	29.56	15.20	0.00902	54.5069046
26.22	25.59	.004020	330.90	111.61	54.02	58.09	29.66	10.97	0.00903	50.52899551
25.63	28.62	.004030	330.09	108.87	51.07	56.49	27.66	5.72	0.00904	47.58239746
26.22	32.16	.004040	332.38	109.69	49.03	60.50	27.10	-2.03	0.00905	45.29878616
26.51	30.46	.004050	335.91	119.73	46.58	62.96	28.38	-5.33	0.00906	46.62475586
31.01	28.40	.004060	336.35	132.14	44.27	60.08	32.28	2.30	0.00907	52.37062073
34.84	25.59	.004070	335.18	134.35	42.25	55.08	35.28	9.59	0.00908	57.15884018
33.22	21.31	.004080	336.65	129.33	43.53	53.92	34.89	6.26	0.00909	57.45349884
26.51	17.61	.004090	340.33	126.82	46.11	53.53	33.39	1.36	0.0091	54.43323898
24.23	18.35	.004100	340.33	129.55	49.84	52.96	33.88	2.20	0.00911	50.38166428

28.94516754	29.75548172	30.63946152	34.24904251	27.98752403
28.06118965	31.89176559	28.72417259	34.83836365	23.71495819
29.90281296	36.82731628	22.97830772	26.80888557	23.42029762
28.57684326	38.30061722	21.35767937	20.47369957	24.89359665
27.3982048	36.82731628	25.33558655	20.62103081	27.91385841
27.3982048	34.61737061	26.79793821	24.6726017	28.57684326
28.13485336	37.19564056	26.80888557	23.56762695	27.98752403
26.29323006	40.5105629	21.9489988	19.88438034	26.21956635
25.1145916	42.72051239	19.14773178	15.46448421	24.2306118
27.98752403	40.80522537	19.88438034	11.92856693	18.11642265
30.56579781	40.5105629	23.12563705	7.80333042	11.48657703
29.38715744	39.03726578	25.04092598	6.62469101	6.69835615
26.21956635	36.82731628	22.83097839	7.95066023	8.24532032
22.16799355	34.83836365	15.90647411	8.68730927	9.42395878
18.85307121	36.458992	9.71861839	5.51971722	10.60259819
16.49579239	37.04831314	7.50867033	2.20479465	10.30793858
17.37977219	37.26930618	8.98196888	-1.62578213	11.48657703
19.22139549	36.75365067	8.98196888	-4.27771997	10.08694363
20.32637024	38.00595474	8.24532032	-5.3090291	9.20296363
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22.24165916	38.44794464	8.1716547	0.06851147	17.23244286
24.2306118	38.00595474	11.04458809	4.41474295	23.19930267
25.1145916	39.47925568	14.2858448	9.79278401	23.93595314
22.09432793	41.46820831	15.90647411	11.26558208	20.17904091
23.12563705	45.66711044	15.1698246	2.20479465	20.03170967
27.10354424	46.55109024	15.90647411	-6.34033823	22.90464401
31.52344131	44.34114075	17.45343781	-6.85599279	25.04092598
29.97647667	41.98386383	18.3374176	0.43683618	24.89359665
30.27113724	45.22512054	20.17904091	5.88804197	26.36689568
34.47003937	50.30800247	23.12563705	8.46631432	27.98752403
39.33192444	53.91758347	26.58789063	8.90830421	31.08145142
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46.55109024	52.73894501	37.3429718	18.26375198	25.04092598
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51.41297531	54.43323898	43.89915085	19.44239044	25.33558655
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48.76103592	49.93967819	33.73339081	24.52527237	25.63024521
51.26564407	45.29878616	31.22878075	23.86228752	26.21956635
51.41297531	40.73155975	32.18642426	26.44055939	26.51422501
48.48837726	39.03726578	32.26008987	33.58605957	31.0077858
42.20485687	37.93229294	30.05014229	40.9525528	34.83836365
40.068573	38.15328598	31.08145142	40.36323547	33.21773529
41.09988403	40.068573	36.23796896	37.41663742	26.51422501
45.9617691	46.10910034	40.9525528	36.458992	24.2306118
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56.93784714	50.08700562	42.94150543	40.14223862	36.23799896

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94.79116058	49.88740921	88.14422607	18.20368004	24.18592262
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65.2492218	31.57140923	84.59918976	15.84032536	23.225811
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59.48854065	27.58324623	74.70263672	11.70445442	-14.21859837
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46.71165085	327.8093262	150.0849609	29.06794357	4.04641819	92.13238525	34.59945679
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28.83877945	323.8314209	139.0805817	50.13611603	22.19254875	77.60759735	23.74279404
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17.61284256	340.3323669	126.8206787	46.10910034	33.38962173	53.53091812	1.36477542
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	004110		54.43	75.96	51.41	22.63	49.87	68.65	42.65	-4.32	38.30	-2.70
	004120		50.38	97.45	56.94	23.74	50.09	65.84	42.94	-10.38	40.14	-2.40
	004130		48.47	94.35	56.50	25.22	45.96	62.00	42.87	-19.54	42.72	- .92
	004140		50.01	73.23	52.15	26.25	41.47	60.74	42.43	-22.93	43.02	.55
	004150		51.41	74.19	48.17	24.19	37.56	59.19	43.09	-21.16	44.27	.40
	004160		50.23	88.22	49.94	24.04	38.30	56.90	44.71	-20.64	46.77	-1.07
	004170		48.02	76.48	51.12	23.67	40.44	50.92	45.74	-24.04	49.94	.04
	004180		49.57	48.93	50.01	22.04	40.07	45.01	48.10	-25.89	50.31	2.92
	004190		53.11	41.17	48.32	19.31	38.30	41.91	52.44	-24.41	51.27	8.53
	004200		57.90	55.43	49.72	19.90	42.79	44.27	57.09	-21.75	51.71	13.55
	004210		60.77	68.13	51.56	21.75	47.80	48.56	59.88	-22.93	49.87	17.91
	004220		61.06	64.14	54.29	22.41	47.14	49.74	63.42	-24.26	42.28	20.20
	004230		59.44	49.44	57.16	22.41	41.98	45.68	68.58	-22.64	37.42	21.90
	004240		57.45	40.43	61.06	23.15	40.36	44.35	70.42	-18.87	37.93	20.35
	004250		53.77	41.62	61.28	22.41	41.25	48.63	61.73	-15.99	39.63	17.32
	004260		48.83	44.13	57.09	22.78	40.66	54.84	50.23	-12.74	36.09	13.77
	004270		45.52	42.65	46.62	22.56	37.05	56.46	47.14	-8.53	32.19	11.70
	004280		46.26	40.29	38.96	24.48	34.76	54.69	50.38	-6.46	32.33	6.31
	004290		48.39	40.36	34.91	24.04	34.62	51.73	51.04	-7.87	38.82	-1.59
	004300		48.76	39.18	34.18	23.00	37.20	51.22	46.26	-10.60	45.23	-9.94
	004310		47.58	36.74	32.41	21.08	36.68	49.67	38.60	-11.34	46.85	-14.51
	004320		47.29	33.79	33.14	21.97	34.40	49.30	34.10	-7.57	41.03	-18.80
	004330		47.36	32.31	30.79	21.60	31.08	50.40	35.35	-2.84	37.56	-21.75
	004340		46.85	30.54	24.67	21.38	34.69	52.99	41.10	-2.25	37.93	-27.66
	004350		44.49	29.21	16.57	22.63	41.54	51.36	45.89	-5.87	38.37	-31.50
	004360		41.76	29.87	16.20	23.74	43.97	43.68	43.68	-11.71	34.62	-35.05
	004370		38.60	32.75	25.48	20.71	39.48	35.78	37.49	-18.95	29.53	-37.56
	004380		36.75	34.45	36.24	17.61	37.12	36.22	35.06	-25.74	26.07	-40.51
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	004400		33.51	24.92	28.65	15.54	35.28	36.89	39.33	-33.27	31.23	-39.40
	004410		31.89	21.82	24.75	13.99	28.72	29.95	33.37	-34.09	34.10	-37.11
	004420		35.13	27.66	27.25	14.51	25.34	25.96	28.58	-30.91	31.82	-34.23
	004430		40.14	37.63	27.77	16.65	25.19	24.85	33.44	-26.11	27.03	-29.88
	004440		45.37	38.44	25.11	18.87	28.50	25.81	44.05	-21.97	22.76	-26.77
	004450		47.14	26.40	25.78	19.61	33.51	25.52	52.67	-20.72	22.68	-25.74
	004460		42.20	15.84	32.70	19.39	41.10	27.29	55.10	-19.54	22.76	-26.18
	004470		33.88	16.58	39.77	18.50	46.26	28.91	52.00	-18.65	21.87	-25.59
	004480		34.62	22.04	45.89	19.16	47.07	30.02	49.35	-19.09	19.07	-23.75
	004490		46.04	24.11	47.73	19.61	44.78	28.62	47.51	-22.27	19.22	-19.54
	004500		50.68	24.63	46.99	20.86	45.59	27.44	47.21	-24.26	21.06	-13.70
	004510		45.52	28.25	42.87	19.61	46.26	25.88	47.80	-23.52	23.13	1.29
	004520		43.46	30.09	41.69	17.17	44.78	26.25	50.09	-19.31	22.09	20.35
	004530		48.39	27.88	42.57	14.51	41.91	25.00	52.00	-13.63	21.58	21.60
	004540		49.57	25.07	46.04	13.03	42.65	22.63	52.15	-9.34	24.01	2.18
	004550		41.54	25.37	46.33	9.41	41.03	19.75	51.41	-7.87	31.08	-11.56
	004560		34.18	26.48	44.34	7.72	36.83	20.05	51.85	-9.79	33.59	-14.07
	004570		36.83	25.00	39.85	6.31	30.93	21.97	50.46	-12.22	32.78	-15.84
	004580		44.93	23.89	38.30	7.64	30.27	24.41	48.10	-10.75	31.82	-22.64
	004590		48.69	24.26	39.11	9.05	31.08	25.37	46.85	-5.36	33.95	-26.92
	004600		47.88	24.78	40.36	11.04	31.97	26.11	46.85	-2.62	34.03	-29.88
	004610		47.66	23.96	40.07	10.15	29.31	24.63	45.52	-5.80	32.85	-32.24

28.21	17.83	.004110	338.86	135.09	51.90	55.75	36.39	3.61	0.00912	48.46637726
36.24	16.51	.004120	335.10	135.09	52.47	62.34	39.77	1.24	0.00913	50.01334
37.12	14.29	.004130	335.91	131.33	50.31	60.52	40.90	-2.06	0.00914	51.41297531
33.00	15.03	.004140	338.56	123.35	47.88	53.41	39.48	-2.45	0.00915	50.23433685
30.93	19.02	.004150	340.33	116.04	45.72	52.52	39.43	-.58	0.00916	48.02438736
34.47	26.84	.004160	339.30	112.79	46.16	56.39	41.88	1.71	0.00917	49.5713501
36.24	32.46	.004170	338.27	116.92	46.53	50.36	43.97	2.82	0.00918	53.10726929
37.49	35.71	.004180	335.69	127.71	46.55	38.86	45.30	4.25	0.00919	57.89548874
38.67	37.11	.004190	332.60	143.22	46.58	34.13	47.46	7.08	0.0092	60.76842117
39.70	39.40	.004200	328.91	146.91	50.14	39.87	49.50	10.40	0.00921	61.06308365
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32.33	29.36	.004220	340.04	107.62	54.16	45.43	46.01	8.43	0.00923	57.45349884
33.44	20.64	.004230	348.29	95.88	52.86	39.18	46.48	6.63	0.00924	53.77025223
37.12	14.81	.004240	348.21	92.55	52.96	35.98	48.49	5.43	0.00925	48.83470154
35.50	9.41	.004250	345.12	91.81	52.10	37.55	45.62	3.58	0.00926	45.51977921
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35.28	2.77	.004280	346.08	87.60	39.99	39.82	39.33	.87	0.00929	48.76103592
42.50	.70	.004290	342.84	84.28	39.31	38.71	44.12	-2.92	0.0093	47.58239746
46.26	-.11	.004300	340.63	87.23	40.04	37.80	45.91	-6.88	0.00931	47.2877388
41.91	-1.52	.004310	344.24	99.42	38.89	35.83	42.45	-9.12	0.00932	47.36140442
36.83	-1.07	.004320	349.61	116.41	38.28	35.02	37.32	-9.15	0.00933	46.8457489
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31.08	-6.54	.004350	349.54	155.40	34.20	34.40	38.45	-14.64	0.00936	38.59527588
29.39	-8.68	.004360	348.88	159.39	33.98	32.43	35.69	-18.48	0.00937	36.75365067
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38.67	1.14	.004460	367.96	68.92	38.67	20.84	38.84	-14.86	0.00947	34.61737061
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42.87	-3.81	.004480	366.85	65.67	42.52	23.74	37.10	-15.55	0.00949	50.67632675
42.87	-2.11	.004490	365.23	67.88	46.18	24.11	36.53	-14.64	0.0095	45.51977921
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42.43	-9.49	.004520	366.04	52.82	43.31	24.51	38.20	-2.82	0.00953	49.5713501
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46.85	-7.87	.004570	362.21	41.15	35.87	17.76	43.36	-11.98	0.00958	48.68737411
45.08	-8.83	.004580	357.86	40.71	37.83	18.65	41.66	-14.07	0.00959	47.87705994
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-2.10540264	365.2311096	67.88451385	46.18276596	36.53265762	24.11206818	-14.63710785
-1.7371285	365.3784485	66.03813934	47.75428391	36.99920273	24.30901527	-13.23386689
-6.83311319	365.8204346	60.20360947	44.88135147	37.44119263	24.57981491	-9.68883419
-9.49188805	366.0414429	52.81812286	43.30982971	38.20239639	24.50596046	-2.82033348
-8.01479053	368.9880371	45.28492737	44.29203033	38.86537933	22.46264458	-0.01384862
-3.95277381	371.271637	37.1608963	46.08454514	40.46145248	20.24699783	-3.70659113
-2.47567701	372.0083008	33.39429855	42.96606064	43.11339188	18.17906189	-7.3008604
-4.17433834	366.7780762	33.6158638	38.44794464	44.63579941	18.08058929	-9.3441782
-7.86708069	362.210846	41.14905548	35.86867468	43.35894012	17.76055145	-11.97833443
-8.82719421	357.864624	40.7059288	37.83407211	41.68464996	18.64681053	-14.07088852
-11.2544043	357.7172852	26.59985134	39.62658691	41.71375656	19.55768585	-14.51401806
-15.69569492	359.1905823	14.48745728	40.06857681	41.68920135	20.64089012	-16.06497002
-20.86553383	360.4429016	18.54947281	39.01271057	39.82302475	19.58230591	-19.63462067
-23.00732422	363.3894959	27.55976486	40.33868027	37.93228912	17.5882225	-22.83499718
-26.18308258	370.4613342	30.36624908	41.44365311	36.72909546	14.1170454	-25.00140572

004620	48.91	22.71	43.09	7.05	29.02	23.00	44.05	-10.08	31.74	-35.41
004630	46.33	19.90	46.33	1.51	31.67	20.94	44.64	-11.41	30.64	-37.41
004640	42.94	16.73	47.80	-1.11	34.76	18.94	47.29	-11.26	26.96	-39.26
004650	45.08	13.85	46.11	-5.56	33.44	16.58	48.61	-13.63	27.40	-40.36
004660	54.65	13.85	47.44	-.63	33.51	17.10	48.83	-18.72	28.72	-44.20
004670	60.33	14.66	49.94	-2.92	35.50	17.24	49.42	-24.41	26.51	-51.15
004680	58.12	13.85	51.12	-6.54	38.61	14.88	51.85	-26.77	24.01	-57.28
004690	55.54	10.45	49.72	-10.67	34.99	10.45	51.71	-27.81	29.76	-58.31
004700	58.71	9.41	49.72	-11.41	34.03	8.01	49.65	-30.17	37.86	-58.97
004710	62.46	10.01	50.82	-4.03	34.25	4.98	46.85	-35.93	41.03	-61.34
004720	62.24	10.97	52.74	14.44	36.24	.85	49.50	-39.77	37.86	-65.18
004730	60.47	8.68	52.15	25.29	37.71	-3.29	53.48	-40.22	35.13	-65.03
004740	60.47	.55	50.68	15.91	40.95	-1.96	56.50	-35.34	33.88	-63.26
004750	60.55	-4.91	49.72	.40	41.39	1.29	58.26	-30.17	33.88	-62.82
004760	58.93	1.44	54.51	-.33	39.92	4.02	59.15	-25.22	32.70	-63.48
004770	56.57	10.97	58.63	4.84	38.97	4.32	57.45	-21.46	35.35	-56.91
004780	55.83	10.89	59.37	7.13	35.35	5.72	54.65	-20.50	40.73	-45.24
004790	54.21	5.50	54.80	4.98	33.59	8.16	54.21	-20.87	46.85	-35.27
004800	49.65	4.10	48.17	5.80	33.37	12.00	58.19	-19.54	47.44	-31.43
004810	39.63	5.28	40.73	6.90	32.19	12.96	63.05	-19.68	46.40	-26.77
004820	30.49	7.94	41.62	9.86	30.20	11.34	65.11	-22.05	46.55	-20.27
004830	32.70	11.34	50.38	12.81	25.11	6.17	61.87	-23.97	47.66	-16.51
004840	42.13	11.04	54.36	14.44	22.39	3.21	56.27	-24.93	47.21	-17.84
004850	43.60	5.28	45.30	10.38	21.06	2.03	50.60	-26.18	50.38	-13.48
004860	40.07	.85	35.65	6.76	22.98	2.77	48.76	-28.10	54.14	-3.44
004870	39.41	-.04	35.06	5.13	25.48	2.10	50.23	-28.55	55.76	3.21
004880	45.81	-.48	41.98	4.54	26.44	2.55	51.85	-25.89	56.94	3.65
004890	49.28	-4.03	45.96	1.07	23.71	2.92	51.12	-22.79	58.48	5.28
004900	46.11	-6.39	46.40	.18	23.57	2.47	48.76	-22.34	57.01	9.19
004910	39.92	-8.46	45.15	2.55	25.78	.40	43.02	-24.63	56.57	17.76
004920	40.95	-10.82	46.62	4.10	27.84	1.07	36.97	-23.08	58.48	26.70
004930	45.67	-12.89	46.40	.40	25.92	4.76	32.26	-18.43	60.11	23.37
004940	47.66	-7.72	46.62	-2.70	24.60	7.79	31.23	-13.78	57.75	8.90
004950	43.90	2.18	47.66	-1.66	23.94	6.39	30.20	-14.29	54.88	2.25
004960	38.30	5.06	49.57	3.21	26.22	5.50	31.08	-15.40	50.90	1.88
004970	34.84	-2.40	46.62	3.80	30.79	6.61	30.71	-16.66	47.66	-2.84
004980	35.65	-9.94	43.90	2.47	34.99	8.82	30.34	-16.73	45.52	-14.81
004990	39.18	-10.38	42.13	2.62	32.11	7.49	29.90	-16.80	47.21	-23.01
005000	39.48	-6.46	42.87	5.57	27.91	4.25	29.83	-17.03	49.35	-27.00
005010	36.31	-3.88	40.95	4.91	26.66	1.59	28.87	-16.14	53.25	-28.92
005020	34.69	-2.03	39.99	4.10	28.58	2.62	27.32	-11.78	52.74	-34.45
005030	39.18	1.07	39.33	6.39	27.25	8.01	26.59	-2.03	48.61	-38.59
005040	46.77	3.80	40.58	10.74	24.45	21.75	27.47	5.57	41.54	-38.81
005050	52.44	2.25	39.33	11.41	23.71	33.79	30.05	2.69	39.55	-32.39
005060	53.18	-1.59	38.30	13.62	27.55	29.06	32.48	-1.37	38.82	-26.18
005070	45.67	-4.03	37.42	16.95	29.46	13.26	31.08	2.69	39.48	-20.72
005080	31.89	-3.51	35.94	19.46	29.68	9.86	26.59	6.83	39.70	-16.14
005090	18.93	-4.32	30.49	19.46	27.25	17.10	23.86	3.06	41.17	-9.49
005100	18.85	-5.73	27.91	21.08	24.60	21.60	26.88	-.78	41.54	-4.32
005110	27.69	-7.13	30.05	22.27	23.86	18.28	33.22	2.55	42.35	1.73
005120	37.49	-4.84	36.24	24.04	28.36	16.65	39.77	9.34	42.57	9.64

38.01	-23.01	.004620	363.39	27.56	40.34	17.59	37.93	-22.83	0.00963	42.94150543
34.91	-26.18	.004630	370.46	30.37	41.44	14.12	36.73	-25.00	0.00964	45.07778931
36.90	-28.99	.004640	369.58	27.19	41.84	11.85	37.05	-26.50	0.00965	54.65423203
38.23	-34.90	.004650	361.18	29.04	41.54	9.96	38.08	-29.63	0.00966	60.32643127
39.63	-39.11	.004660	352.56	30.37	45.20	10.10	39.06	-34.01	0.00967	58.1164856
39.04	-42.43	.004670	353.81	28.52	48.59	9.66	38.33	-39.33	0.00968	55.53821182
43.90	-41.99	.004680	358.97	24.61	48.61	7.40	39.92	-42.01	0.00969	58.70580292
49.94	-42.87	.004690	362.36	20.62	48.75	3.41	43.80	-43.00	0.0097	62.46271515
53.33	-42.95	.004700	363.02	17.66	47.48	2.00	46.94	-44.03	0.00971	62.24172211
51.56	-44.35	.004710	363.98	15.00	49.18	3.65	46.48	-47.21	0.00972	60.47376251
50.16	-43.98	.004720	365.60	15.30	50.41	8.75	45.84	-49.64	0.00973	60.47376251
47.88	-45.02	.004730	367.59	17.96	50.11	10.23	45.50	-50.09	0.00974	60.54742813
48.32	-43.17	.004740	367.29	19.51	50.70	4.84	46.23	-47.26	0.00975	58.92679977
48.98	-38.89	.004750	369.65	23.28	50.55	-1.07	47.04	-43.96	0.00976	56.56952286
51.56	-32.53	.004760	371.27	22.91	51.12	1.71	47.80	-40.41	0.00977	55.83287048
54.14	-27.07	.004770	375.40	20.10	50.73	6.71	48.68	-35.14	0.00978	54.21224213
56.20	-21.83	.004780	375.84	13.38	50.19	7.91	50.53	-29.19	0.00979	49.64501572
54.06	-17.39	.004790	373.33	10.35	47.53	6.21	51.71	-24.51	0.0098	39.6265831
52.08	-12.08	.004800	367.29	11.68	43.73	7.30	52.57	-21.01	0.00981	30.49213219
52.74	-7.50	.004810	360.30	12.79	37.51	8.38	54.06	-17.99	0.00982	32.70207977
54.14	-4.47	.004820	353.15	10.43	34.10	9.71	55.27	-15.60	0.00983	42.13119125
51.41	-3.73	.004830	350.65	9.54	36.07	10.10	53.65	-14.74	0.00984	43.60449219
49.06	-2.70	.004840	350.35	10.94	39.63	9.56	50.85	-15.15	0.00985	40.068573
48.32	-4.84	.004850	353.44	15.00	36.66	5.89	49.77	-14.83	0.00986	39.40559006
51.41	-8.38	.004860	354.33	16.04	32.90	3.46	51.44	-13.31	0.00987	45.81443787
53.11	-11.56	.004870	355.14	19.29	33.32	2.40	53.03	-12.30	0.00988	49.27669144
53.11	-12.74	.004880	351.38	21.58	38.08	2.20	53.97	-11.66	0.00989	46.10910034
50.31	-17.76	.004890	346.74	24.01	39.65	-0.1	53.30	-11.76	0.0099	39.92124557
52.08	-18.50	.004900	343.72	25.64	38.69	-1.24	52.62	-10.55	0.00991	40.9525528
55.10	-15.77	.004910	343.57	28.22	36.95	-1.84	51.56	-7.55	0.00992	45.66711044
56.42	-12.45	.004920	340.92	29.92	38.47	-1.88	50.63	-2.94	0.00993	47.65606308
51.04	-14.59	.004930	336.50	29.63	39.33	-2.57	47.80	-3.21	0.00994	43.89915085
46.11	-13.33	.004940	335.32	30.37	39.63	-8.8	45.03	-6.07	0.00995	38.30061722
40.88	-11.56	.004950	339.74	35.68	38.50	2.30	41.98	-7.87	0.00996	34.83836365
40.58	-8.90	.004960	342.98	43.07	38.03	4.59	40.85	-7.47	0.00997	35.64867783
41.91	-7.79	.004970	344.60	52.15	37.42	2.67	40.09	-9.10	0.00998	39.1845932
42.65	-7.72	.004980	346.08	55.92	38.18	.45	39.50	-13.09	0.00999	39.47925568
39.77	-8.68	.004990	350.50	55.11	37.81	-0.9	38.96	-16.16	0.01	36.31166077
40.51	-9.34	.005000	347.99	48.68	36.75	1.12	39.90	-17.79	0.01001	34.69103241
45.45	-10.08	.005010	338.71	41.59	34.64	.87	42.52	-18.38	0.01002	39.1845932
51.41	-7.28	.005020	329.87	39.15	34.42	1.56	43.63	-17.84	0.01003	46.77208328
53.55	2.77	.005030	329.72	45.58	35.26	5.16	42.92	-12.62	0.01004	52.44428635
50.75	26.55	.005040	333.26	53.19	37.27	12.10	39.92	-2.23	0.01005	53.18093491
42.43	41.98	.005050	338.42	54.81	38.50	15.82	37.34	4.10	0.01006	45.66711044
36.46	30.32	.005060	339.45	50.18	39.88	13.70	35.92	.92	0.01007	31.89176559
35.65	8.60	.005070	340.48	54.52	37.51	8.73	35.40	-3.14	0.01008	18.92673683
37.56	6.53	.005080	337.46	63.08	32.51	8.60	34.62	-.92	0.01009	18.85307121
37.20	16.06	.005090	335.62	69.58	25.66	10.74	34.08	3.21	0.0101	27.69286346
38.52	24.48	.005100	333.11	66.11	23.79	12.32	35.65	6.46	0.01011	37.49030304
37.34	27.44	.005110	332.45	54.37	27.20	11.14	37.64	10.57	0.01012	39.5529213
35.72	31.42	.005120	331.93	40.12	34.03	11.95	39.36	16.80	0.01013	34.39637375

47.80339432	34.76469803	47.2877388	26.9562149	36.9009819
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47.43507004	33.51239395	48.83470154	28.72417259	39.6265831
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45.9617691	23.71495819	51.11831665	58.48480988	50.30800247
46.403759	23.56762695	48.76103592	57.01150894	52.07595825
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-4.9128871	0.40466216	1.29092038	-30.17124557	-62.81509018
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10.96590519	4.83595324	4.31896925	-21.45637321	-56.90670013
10.89205074	7.12545347	5.72221136	-20.49625969	-45.23763275
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4.09740446	5.79606628	11.99987316	-19.53614616	-31.42677669
5.2790823	6.9038887	12.95996669	-19.68385696	-26.77392197
7.93785667	9.85808277	11.33517933	-22.0472126	-20.27469635
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-43.16969681	367.2937317	19.50958633	50.70088196	46.23187256	4.83595324	-47.2563324
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	005130	39.55	- .63	37.42	24.92	29.53	16.95	42.50	18.57	44.27	19.02
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	005150	27.47	2.77	33.66	32.01	9.28	15.77	35.21	37.63	48.17	33.12
	005160	26.66	1.07	34.91	33.27	10.31	17.02	35.80	22.49	48.02	37.18
	005170	29.90	2.03	32.70	29.95	21.43	19.53	38.60	7.79	47.44	38.37
	005180	30.64	4.91	30.34	28.91	30.86	22.27	42.13	9.86	47.73	38.66
	005190	26.44	8.01	29.02	30.54	33.29	21.90	44.34	17.39	49.65	41.47
	005200	22.68	8.01	32.26	35.71	34.18	18.87	44.19	21.82	50.01	42.21
	005210	23.05	4.54	33.14	39.99	33.73	17.83	41.17	22.63	51.12	40.14
	005220	26.96	4.54	31.23	42.65	33.22	22.86	41.76	22.63	48.54	34.97
	005230	29.98	7.35	28.87	41.62	30.93	27.58	48.10	22.78	43.97	32.61
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	005260	32.11	8.53	36.75	40.43	35.94	18.57	45.23	24.19	46.55	25.37
	005270	31.89	10.23	36.53	34.97	36.24	19.46	41.32	26.55	46.26	24.48
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	005590	35.80	18.28	22.54	42.80	3.83	33.05	46.33	40.43	53.62	34.97
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33.29	36.00	.005130	329.21	39.67	35.50	13.75	40.02	24.53	0.01014	27.47187042
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37.71	58.75	.005150	320.59	66.85	23.47	16.85	40.36	43.17	0.01016	29.90281296
36.46	62.37	.005160	317.94	66.92	23.96	17.12	40.09	40.68	0.01017	30.63946152
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26.81	35.04	.005240	318.97	78.37	31.52	26.33	40.17	29.65	0.01025	32.11276245
26.81	34.30	.005250	321.70	83.39	33.37	24.36	40.71	28.89	0.01026	31.89176559
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34.32	33.34	.005270	320.96	86.05	34.89	21.55	40.63	28.12	0.01028	24.89359665
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33.29	47.38	.005310	318.09	101.12	29.29	25.05	43.04	32.14	0.01032	27.69286346
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26.22	58.31	.005370	342.54	107.62	33.61	27.83	44.24	38.91	0.01038	24.89359665
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19.88	54.98	.005430	322.51	119.73	21.60	29.01	38.45	48.80	0.01044	19.22139549
22.17	58.75	.005440	328.25	119.73	22.54	27.71	41.08	51.81	0.01045	20.25270462
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23.71	57.05	.005490	325.89	131.77	23.03	26.25	43.63	49.72	0.0105	23.93595314
22.09	59.49	.005500	328.32	131.10	19.88	26.01	40.61	49.10	0.01051	28.57684326
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29.53	50.48	.005540	332.23	129.04	19.32	31.13	42.45	47.18	0.01055	31.52344131
32.26	50.77	.005550	325.08	128.22	18.39	30.02	45.42	45.97	0.01056	32.70207977
31.60	54.91	.005560	318.82	130.14	17.67	29.85	46.40	46.02	0.01057	35.05935669
27.77	54.24	.005570	318.16	135.61	17.40	29.48	44.78	45.38	0.01058	35.79600906
27.03	49.59	.005580	320.59	139.82	19.30	30.00	42.99	43.49	0.01059	35.72234344
27.55	44.13	.005590	323.91	143.14	20.72	31.37	42.50	39.84	0.0106	32.99673843
29.53	45.97	.005600	323.24	141.30	21.14	33.00	44.54	39.28	0.01061	31.08145142
29.24	49.08	.005610	324.27	137.46	19.44	31.72	44.44	42.50	0.01062	32.84941101
30.05	51.36	.005620	329.58	133.54	18.95	30.34	40.71	46.29	0.01063	38.44794464
30.79	49.44	.005630	335.77	131.33	18.21	29.80	35.62	44.72	0.01064	41.46820831

33.65972519	9.27662945	35.20688793	48.1717186	37.71129608
34.91202927	10.30793858	35.79600906	48.02438736	36.458992
32.70207977	21.43134499	36.59527588	47.43507004	31.52344131
30.34480286	30.86045647	42.13119125	47.7297287	30.63946152
29.01883316	33.29140091	44.34114075	49.64501572	31.4497757
32.26008987	34.17538071	44.19380951	50.01334	32.62841415
33.14408967	33.73339081	41.17354965	51.11831665	29.90281296
31.22878075	33.21773529	41.76286697	48.54004288	26.9562149
28.87150383	30.93412209	48.09805298	43.97281647	25.63024521
32.26008987	30.93412209	52.37052073	41.32087708	26.80888557
35.35401917	32.77574539	50.4553299	44.85679626	26.80888557
36.75365067	35.94333649	45.22512054	46.55109024	30.05014229
36.53265762	36.23799896	41.32087708	46.25642776	34.32270813
35.94333649	33.73339081	42.86784363	41.24721527	37.56396484
31.30244637	32.62841415	47.36140442	37.56396484	36.60632324
27.54553413	35.72234344	52.95993805	37.49030304	35.64867783
27.91385841	36.9009819	54.28590775	41.54187393	33.29140091
31.81810188	35.57501221	54.43323898	41.91019821	31.81810188
32.11276245	33.29140091	55.39088058	38.81626892	30.63946152
31.52344131	35.35401917	56.77946854	37.93229294	32.03909663
31.30244637	37.71129608	62.09439087	41.54187393	30.34480286
35.42768476	38.81626892	64.81999207	44.48847198	28.72417259
38.00595474	35.57501221	62.02072525	44.48847198	26.21956635
38.2269516	31.15511703	55.98020172	42.86784363	28.57684326
34.61737061	26.66155434	50.23433685	41.68920135	30.05014229
31.96543121	23.71495819	50.08700562	38.88993454	29.46082306
27.69286346	21.43134499	51.92863083	36.67998886	25.04092598
24.15994809	21.0630188	53.77025223	36.53265762	21.35767937
21.65233994	21.79966927	53.03360367	42.42585373	19.88438034
24.59893808	22.24165916	51.70763397	49.35035706	22.16799355
25.48291588	21.9469986	51.04485103	54.35957336	23.27296829
24.15894809	23.42029762	53.47559357	54.5069046	24.89359665
22.38998849	24.00961685	56.05396734	54.28590775	24.74626732
25.18825722	23.86228752	57.01150894	53.25460052	25.26192093
25.04092598	20.76836014	54.65423203	52.51794815	23.71495819
19.51905606	17.8954277	49.20302582	50.52899551	22.09432793
12.66521645	14.80149937	41.91019821	50.16067123	19.73705101
12.14958188	12.0022316	38.07962036	49.35035706	21.0630188
15.1698246	7.65600061	39.70024872	50.67632675	24.15694809
16.93778229	7.72966528	45.22512054	52.59161377	29.53448868
12.51788616	11.19191742	48.1717186	55.83287048	32.26008987
7.65900061	13.84385586	49.42402267	58.19015121	31.59710693
8.98196888	10.52893353	47.36140442	59.22145844	27.76652908
16.49579239	6.33003139	45.15145493	56.7905159	27.02988052
22.53831783	3.82542348	46.33008338	53.6229248	27.54553413
24.30427742	3.38343382	51.85496521	52.22328949	29.53448868
22.97830772	2.35212469	51.26564407	52.81261063	29.23982811
23.86228752	1.91013503	40.65789413	51.41297531	30.05014229
23.42029762	-1.62578213	25.48291588	50.60266113	30.78679276
23.64129257	-6.19300842	22.68364906	49.49768829	31.74443626
21.72800365	-5.82468367	30.27113724	49.27669144	32.33375549

2.76801729	32.01453781	15.76647091	37.62750626	33.12236023
1.06935585	33.27006912	17.02200317	22.48726273	37.18437576
2.02946877	29.94660187	19.5330677	7.79014683	38.36605453
4.90980816	28.9126339	22.26569748	9.85808277	38.66147232
8.01171112	30.53744125	21.89642334	17.39127731	41.46795654
8.01171112	35.70727921	18.86837387	21.82256889	42.20650462
4.54053354	39.99085999	17.8344059	22.63497162	40.13856888
4.54053354	42.64963531	22.85653687	22.63497162	34.96873093
7.34701777	41.61566925	27.58324623	22.78268051	32.6053772
9.04567909	42.64963531	27.28782654	23.44737434	30.4635849
8.15942097	42.79734421	22.11798059	23.59508514	28.764925
8.52869511	40.43399048	18.57295418	24.18592262	25.35760139
10.22735691	34.96873093	19.45921326	26.54927826	24.48134232
11.33517933	33.86090851	23.44737434	29.50347328	21.23172951
8.8241148	36.1504097	24.18592262	31.05442429	18.27753639
6.31305027	40.50784683	24.11206818	31.12827873	16.20960045
5.42679167	42.20650482	27.50939178	30.31587601	18.72066498
8.45484066	42.72349167	34.52560043	29.94660187	19.75463295
10.96590519	43.2404747	39.03074646	29.57732773	17.76055145
11.18747044	46.63779831	39.17845917	30.90671539	15.78647091
9.11953449	47.89332962	34.45174789	31.71911812	18.42524529
10.00579262	45.82539368	31.79297256	32.3099556	23.74279404
11.03976059	41.32024765	31.12827873	30.38973045	28.02637482
11.03976059	40.36013412	31.27598953	28.17408562	28.39664896
10.89205074	40.13856888	28.98648834	24.33363342	28.32179451
12.4430027	42.50192642	27.28782654	22.48726273	30.09431076
14.51093864	43.31433105	26.99240685	21.82256889	36.07655334
17.09585762	44.71757126	27.14011765	23.89050484	48.26260376
19.16379356	43.2404747	24.62905312	26.9185524	64.51067352
19.97619629	41.32024765	21.82256889	28.32179451	68.35112
18.86837387	36.44582748	22.33955193	28.6172142	59.2669754
17.8344059	35.11643982	26.69698906	31.42369843	53.35858917
16.50501823	37.33208466	28.02637482	35.70727921	59.78396225
15.9880352	40.58169937	27.36168289	35.8549881	62.88586426
14.51093864	37.25823212	26.99240685	33.63934326	58.45457458
15.76647091	33.19621658	29.06034279	34.08247375	53.72786331
19.01608467	34.0086174	28.9126339	37.25823212	54.76182938
23.74279404	39.03074646	26.99240685	39.25231171	54.54026794
25.81072998	39.76929474	27.0662632	40.87712097	52.10305786
25.58916473	37.9967804	29.79889107	41.91108704	49.14886093
24.40748787	35.8549881	29.79889107	40.50784683	46.63779831
24.92447281	35.70727921	28.9126339	39.76929474	43.39818359
22.11798859	35.48571396	30.83285904	40.36013412	41.5418129
19.01608467	37.47979736	33.49163437	42.20650482	38.66147232
18.27753839	42.79734421	33.04850388	40.43399048	34.96873093
18.86837387	46.63779831	33.49163437	39.4000206	32.4576883
17.53898621	42.79734421	34.82102203	44.42215347	34.0086174
17.09585762	37.77521515	36.1504097	52.76774979	34.74716568
17.02200317	36.74124908	35.63342667	50.18283081	34.52560043
17.61284256	40.36013412	36.00270081	42.35421753	32.09839417
16.2834549	40.43399048	36.36605453	40.28628159	30.24202156

58.74999237	320.5901794	66.85054779	23.46940804	40.36323547	16.84967613	43.16661835
62.36888123	317.9382324	66.92440033	23.96050644	40.0931282	17.12047577	40.68017197
47.37634659	317.7908936	65.52115631	28.01207924	39.18459702	17.16971207	31.17751694
33.78705215	317.4225769	66.55512238	30.61490631	40.16679382	18.69604683	27.43553543
33.56549072	316.0229492	69.95244598	29.58359718	41.81197739	20.14852524	30.80824089
37.11052322	310.3507385	71.06027222	29.70637321	42.27852249	20.86245537	33.71319962
31.20213318	306.0045166	73.34976959	29.97647858	40.73155975	20.78859901	31.32522392
26.40156937	306.4465027	73.79290009	30.46757698	39.08637619	23.34890175	28.00175667
29.35576248	312.3396912	74.6053009	29.92736816	39.23370361	25.51531029	28.24794006
35.04258728	318.9695435	78.37190247	31.52344131	40.16679382	26.32771301	29.65118217
34.304039	321.6951294	83.39402771	33.36506653	40.70700455	24.35625157	23.88801575
32.4576683	320.2955017	85.01883698	34.93658447	40.60878372	22.51187897	27.33706474
33.34392548	320.9584961	86.05280304	34.88747406	40.63333893	21.55176735	28.12484932
37.62750626	321.3268127	87.82532501	33.19318008	40.55867331	22.88115311	29.45423698
39.99085999	320.9584961	97.27873993	29.60815239	40.5105629	23.05348206	29.77427292
43.53589249	317.3489075	102.5224381	28.47862434	42.03297424	23.64432144	30.29125786
47.37634659	318.0855713	101.119194	29.28893852	43.03972626	25.04756355	32.13763046
52.39847565	320.8848267	97.50030518	31.49888611	42.72051239	28.56797791	34.03323746
54.38339462	321.9898071	99.64209747	31.03234291	41.61553574	31.07904243	34.10709
57.71802631	324.4207459	103.7041168	31.10600662	42.91695404	32.33457565	34.79640579
58.23300934	331.7872315	105.6243439	31.27789116	44.66035461	30.48820496	36.12578964
59.63824954	339.6693726	106.5844498	33.78250122	46.01087952	29.20805359	38.56299973
58.30886188	342.5423279	107.6184235	33.61061478	44.24291992	27.82942963	38.90765381
56.53434753	335.9124756	106.289032	31.52344131	42.47496414	27.55862808	37.70136261
54.90954206	326.7780151	106.4367447	28.7241745	40.65789413	26.672369	35.8549881
56.53434753	318.0855713	109.1693726	27.8401947	39.47925568	27.41091919	36.37197495
55.35266876	315.4336243	115.9640198	25.48291588	37.88318253	28.27255821	37.75059509
54.1709936	316.9805908	119.7306137	22.97830772	37.22019577	29.65118217	42.10803223
54.98339462	322.5054627	119.7306137	21.60322952	38.44794464	29.01110649	48.80420685
58.74999237	328.2513123	119.7306137	22.53631783	41.07532883	27.70633698	51.80763626
59.63824954	330.682251	124.0141983	22.21710396	42.89239883	25.88458443	49.17348099
59.93167114	327.8829956	128.6670532	22.60998344	44.29203033	26.54927826	48.23798752
58.60228348	325.894043	132.0643768	23.39574242	45.02867889	27.28782654	51.36450958
57.64216995	323.9050903	131.1042633	24.86904144	45.17601013	27.97713852	52.1276741
57.05133057	325.894043	131.7689514	23.02741814	43.62904739	26.25385857	49.71508408
59.48954065	328.3249817	131.1042633	19.88438034	40.60878372	26.00767708	49.09962463
59.19312286	333.5552063	130.5872803	17.13422394	37.26930618	27.31244469	50.40439606
57.71802631	336.6491089	129.6271668	17.57621193	36.16433334	29.92198181	50.50286885
53.06316757	336.2807922	129.9225922	18.23919678	38.17784119	30.88209534	48.6811142
50.4782486	332.2292175	129.0353312	19.31961632	42.45040894	31.12827873	47.17939758
50.7736702	325.0837402	128.2239227	18.38652611	45.42155838	30.02045631	45.97310638
54.90954206	318.8222046	130.1441498	17.67443275	46.403759	29.84812927	46.02233887
54.24484634	318.1592102	135.6094055	17.40432739	44.78313065	29.47885323	45.38226318
49.59199142	320.5901794	139.8191376	19.2950592	42.99061584	29.96583817	43.48665619
44.12673187	323.9050903	143.1426086	20.71924973	42.49651935	31.37446213	39.84315109
45.97310257	323.242096	141.2962341	21.13668442	44.5375824	32.96926758	39.27693176
49.07500839	324.273407	137.45578	19.44239044	44.43936157	31.71911812	42.50192642
51.36450958	329.577301	133.5414734	18.95129204	40.70700455	30.34049416	46.29314041
49.44428253	335.7651367	131.3258209	18.21464157	35.62412262	29.79889297	44.71757126
46.04995992	333.1868591	130.0702972	18.63207626	34.64192581	31.32522583	40.16318893
41.98494339	323.3157654	130.5872803	19.12317657	37.29386139	31.68449997	37.50441742

	005640		38.45	17.61	23.64	40.36	-6.19	36.00	22.68	42.35	49.50	32.09
	005650		41.47	16.28	21.73	40.43	-5.82	38.37	30.27	40.29	49.28	30.24
	005660		40.66	16.36	20.92	37.78	.44	41.02	37.56	45.75	47.58	30.83
	005670		37.27	17.02	18.85	35.12	2.94	40.29	38.23	47.38	47.58	35.71
	005680		35.06	17.76	18.93	37.18	-.15	38.37	38.01	42.65	46.11	37.85
	005690		33.66	16.14	18.71	39.55	-4.28	36.08	39.63	39.18	44.34	36.96
	005700		33.59	12.37	18.93	41.76	-6.86	30.83	40.51	41.76	42.94	33.64
	005710		34.54	8.75	18.78	41.32	-7.52	27.14	37.56	43.83	45.52	34.01
	005720		34.91	10.45	22.61	40.66	-3.39	31.50	34.76	43.24	47.51	34.67
	005730		29.31	15.10	26.44	40.21	1.76	39.25	34.84	42.50	48.69	36.45
	005740		22.24	16.95	26.81	39.84	3.83	41.84	38.67	43.83	46.70	36.15
	005750		20.33	14.66	22.24	38.22	2.94	39.10	40.81	43.46	46.11	34.89
	005760		26.81	15.25	19.37	39.10	5.67	38.74	39.48	42.95	46.48	32.16
	005770		31.16	18.20	19.74	40.43	11.49	42.65	35.65	43.98	48.61	33.79
	005780		28.72	20.35	20.33	41.10	16.20	46.86	35.06	48.56	47.66	37.11
	005790		22.68	19.46	16.20	39.70	15.10	45.90	37.42	54.69	46.18	40.73
	005800		22.02	21.16	11.93	39.18	12.15	42.35	38.89	59.41	44.78	42.65
	005810		23.27	23.15	12.52	37.70	9.06	40.73	35.72	57.49	43.60	43.39
	005820		24.01	24.48	15.83	36.59	6.26	42.28	34.47	55.20	41.03	42.35
	005830		25.19	24.92	15.02	34.23	1.69	43.98	35.72	55.20	39.85	42.95
	005840		29.17	26.33	13.11	32.53	-1.99	42.35	37.56	56.09	40.14	45.90
	005850		29.68	26.40	11.19	29.80	-1.77	39.70	36.31	52.03	41.98	48.56
	005860		28.13	26.99	9.79	29.06	4.41	39.70	36.75	47.60	40.51	47.08
	005870		27.10	26.70	8.25	27.88	8.25	40.43	36.24	43.91	38.45	45.01
	005880		28.21	25.88	10.31	27.95	5.00	39.33	35.06	41.17	37.27	43.24
	005890		28.13	25.37	10.46	27.14	-.01	37.18	32.63	39.25	39.11	44.42
	005900		25.48	26.84	8.98	28.99	-.15	36.96	34.18	42.65	39.77	44.57
	005910		21.95	27.36	7.21	32.16	-.96	36.89	37.49	45.09	37.20	42.80
	005920		19.44	26.62	6.11	33.57	-5.97	34.67	41.84	43.98	31.08	38.14
	005930		18.56	27.51	3.31	27.44	-9.66	32.16	45.30	43.46	27.25	37.41
	005940		18.71	28.91	2.35	21.82	-6.86	32.46	47.58	49.00	22.46	39.40
	005950		19.74	28.54	2.65	22.78	-2.36	34.23	49.94	57.57	20.99	41.54
	005960		20.25	28.91	3.83	25.66	1.17	36.45	49.94	62.00	24.75	39.33
	005970		18.26	30.76	5.23	24.70	3.68	36.59	44.19	59.78	31.30	37.48
	005980		19.52	34.97	9.57	26.40	4.27	35.85	40.51	56.39	32.78	36.74
	005990		24.45	35.19	11.19	30.54	.88	35.04	41.91	54.76	31.67	38.81
	006000		29.76	34.82	11.78	31.72	-2.07	35.12	45.23	53.95	32.48	41.47
	006010		30.93	35.93	12.59	30.39	-3.25	33.79	42.87	51.36	37.93	44.20
	006020		31.38	37.92	15.02	30.83	-.82	33.20	38.15	48.26	41.69	45.75
	006030		30.71	33.71	14.21	29.65	2.20	33.34	37.78	44.72	40.44	47.45
	006040		31.97	28.03	13.55	27.73	3.90	35.12	42.94	44.64	36.68	50.92
	006050		33.73	25.96	18.19	26.18	.36	35.93	43.75	44.72	36.97	56.68
	006060		36.83	30.39	28.95	27.21	-2.14	36.89	42.28	44.72	39.48	59.12
	006070		35.80	35.19	36.61	29.06	-1.33	39.18	41.98	42.95	40.88	59.05
	006080		34.84	38.00	36.68	31.42	-.23	43.31	46.33	43.02	39.85	59.12
	006090		35.21	34.97	30.34	30.83	-2.66	45.97	48.76	44.13	41.91	63.18
	006100		37.56	31.50	25.70	30.39	-2.22	45.90	47.88	47.01	45.45	65.77
	006110		39.99	28.91	23.57	28.91	2.79	43.83	43.90	49.89	46.85	65.18
	006120		40.07	27.66	25.04	29.87	7.95	42.65	41.84	51.96	43.68	58.01
	006130		33.44	25.81	25.11	28.76	12.22	44.13	40.14	50.55	42.65	49.96
	006140		24.30	24.33	22.98	25.88	17.23	41.76	38.45	48.11	43.09	47.01

31.74	46.05	.005640	333.19	130.07	18.63	31.33	34.64	40.16	0.01065	40.65789413
32.33	41.98	.005650	323.32	130.59	19.12	31.69	37.29	37.50	0.01066	37.26930618
34.18	40.43	.005660	319.93	132.14	20.67	31.72	39.77	39.01	0.01067	35.05935669
33.73	40.14	.005670	324.57	135.54	19.69	30.81	39.85	41.07	0.01068	33.65972519
34.03	43.68	.005680	324.79	136.57	17.94	31.10	39.38	41.39	0.01069	33.58605957
33.44	47.01	.005690	321.55	142.18	16.03	30.59	39.14	41.05	0.0107	34.54370499
33.29	49.22	.005700	315.88	146.61	15.22	28.32	38.91	41.54	0.01071	34.91202927
33.14	49.89	.005710	314.99	148.61	15.27	25.74	38.74	42.58	0.01072	29.31349373
34.18	50.63	.005720	314.62	147.65	18.04	27.53	38.82	42.85	0.01073	22.24165916
32.55	50.04	.005730	314.55	149.72	19.17	31.52	38.69	42.99	0.01074	20.32637024
31.08	51.81	.005740	311.09	154.07	17.63	32.88	38.62	43.93	0.01075	26.80888557
31.52	53.58	.005750	307.33	159.02	15.17	30.66	39.48	43.98	0.01076	31.15511703
35.06	54.54	.005760	308.07	163.75	17.28	31.03	40.34	43.22	0.01077	28.72417259
34.84	51.96	.005770	312.41	167.74	20.79	33.76	39.70	43.24	0.01078	22.68364906
35.13	51.59	.005780	314.25	167.44	21.75	36.10	39.28	45.75	0.01079	22.02066422
33.73	51.73	.005790	313.67	166.26	17.99	35.02	39.11	49.05	0.0108	23.27296829
32.63	52.62	.005800	310.35	166.92	15.37	34.23	38.77	51.56	0.01081	24.00961685
30.71	49.22	.005810	308.36	171.87	14.95	33.86	36.68	50.04	0.01082	25.18825722
32.41	42.65	.005820	306.74	174.97	15.37	34.45	35.57	46.74	0.01083	29.16616249
34.32	36.00	.005830	309.10	175.12	13.97	34.38	36.63	44.72	0.01084	29.68181801
37.20	41.02	.005840	313.22	171.21	13.43	33.74	38.30	47.67	0.01085	28.13485336
37.27	49.81	.005850	316.91	167.00	13.03	31.97	38.52	50.13	0.01086	27.10354424
35.28	50.92	.005860	318.90	165.15	14.11	31.92	37.51	48.53	0.01087	28.20851898
32.19	43.61	.005870	320.00	163.90	14.53	31.67	35.62	44.18	0.01088	28.13485336
35.06	40.36	.005880	319.63	161.24	14.51	31.05	35.60	41.59	0.01089	25.48291588
36.37	40.43	.005890	320.44	160.72	12.86	29.90	36.70	41.37	0.0109	21.9469986
37.86	39.84	.005900	320.37	162.20	11.44	30.93	37.27	42.35	0.01091	19.44239044
33.00	39.70	.005910	322.06	165.52	9.40	32.14	35.89	42.53	0.01092	18.55841255
32.85	43.31	.005920	323.83	163.16	6.53	31.62	35.26	41.81	0.01093	18.70574188
37.05	45.90	.005930	327.37	161.24	4.07	29.04	36.53	42.26	0.01094	19.73705101
41.62	47.89	.005940	325.45	160.65	4.73	27.73	37.22	45.43	0.01095	20.25270462
39.92	48.85	.005950	320.30	159.39	6.67	28.52	36.95	49.32	0.01096	18.26375198
37.20	50.40	.005960	316.83	154.89	8.42	30.34	37.29	50.58	0.01097	19.51605606
34.54	51.22	.005970	317.79	151.64	9.06	30.69	36.68	49.49	0.01098	24.45160675
34.91	54.32	.005980	319.26	154.15	11.12	32.41	36.07	49.15	0.01099	29.75548172
33.00	55.57	.005990	320.00	160.06	12.17	33.59	35.53	49.72	0.011	30.93412209
31.08	55.06	.006000	319.41	162.12	13.16	33.89	36.26	50.16	0.01101	31.37611198
30.49	53.14	.006010	320.74	161.61	13.43	33.37	37.10	49.57	0.01102	30.71312714
33.73	56.17	.006020	320.66	159.32	15.19	33.98	37.66	50.06	0.01103	31.96543121
34.99	58.23	.006030	320.00	160.20	15.71	32.24	37.74	50.13	0.01104	33.73339081
37.27	59.49	.006040	318.82	162.27	16.47	30.29	38.96	51.68	0.01105	36.82731628
39.18	55.94	.006050	319.41	162.57	17.43	29.36	39.97	52.45	0.01106	35.79600906
42.13	52.55	.006060	323.39	160.06	21.21	31.50	41.30	52.13	0.01107	34.83836365
42.43	51.14	.006070	327.66	158.28	23.69	34.48	41.76	51.04	0.01108	35.20668793
42.13	53.28	.006080	327.96	160.65	23.76	37.58	42.77	51.81	0.01109	37.56396484
40.81	53.43	.006090	322.80	162.27	20.96	37.26	43.83	53.58	0.0111	39.99491119
40.51	50.55	.006100	317.05	160.35	20.35	35.93	44.61	54.44	0.01111	40.068573
38.37	47.08	.006110	317.05	158.87	22.12	33.89	43.04	54.05	0.01112	33.43872833
35.50	49.67	.006120	320.59	157.69	24.35	33.39	40.34	53.21	0.01113	24.30427742
33.37	55.06	.006130	327.66	157.69	23.59	32.90	38.72	51.86	0.01114	17.67443275
35.94	59.19	.006140	333.26	155.40	21.51	30.66	39.16	51.44	0.01115	17.82176208

20.91568947	0.43683618	37.56396484	47.58239746	34.17538071
18.85307121	2.94144416	38.2269516	47.58239746	33.73339081
18.92673683	-0.15248336	36.00595474	46.10910034	34.02804947
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18.92673683	-6.85599279	40.5105629	42.94150543	33.29140091
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22.60998344	-3.39374065	34.76489803	47.50873184	34.17538071
26.44055939	1.7628051	34.83836365	48.68737411	32.55474854
26.80888557	3.82542348	38.6689415	46.69841766	31.08145142
22.24165916	2.94144416	40.80522537	46.10910034	31.52344131
19.36372673	5.66704702	39.47925568	46.47742462	35.05935669
19.73705101	11.48657703	35.64857783	48.6137085	34.83836365
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11.92856893	12.14956188	38.8893454	44.78313065	32.62841415
12.51788616	9.0556345	35.72234344	43.60449219	30.71312714
15.83280849	6.25636673	34.47003937	41.02621841	32.40742111
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8.24532032	8.24532032	36.23798896	38.44794464	32.18642426
10.30793858	5.00406265	35.05935669	37.26930618	35.05935669
10.45526791	-0.00515347	32.62841415	39.1109314	38.37427902
8.98196886	-0.15248336	34.17538071	39.77391434	37.85862732
7.21401072	-0.9627977	37.49030304	37.19564056	32.99673843
6.10903645	-5.97201347	41.83653259	31.08145142	32.84941101
3.30976892	-9.65526104	45.29878616	27.25087547	37.04831314
2.35212469	-6.85599279	47.58239746	22.46265411	41.61553955
2.64878431	-2.36243153	49.93967819	20.98935509	39.92124557
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5.22505713	3.67809367	44.19380951	31.30244637	34.54370499
9.57128906	4.26741314	40.5105629	32.77574539	34.91202927
11.19191742	0.87882584	41.91019821	31.67077065	32.99673843
11.78123665	-2.06777191	45.22512054	32.48108673	31.08145142
12.59155178	-3.24641085	42.86784363	37.93229294	30.49213219
15.02249432	-0.81546783	38.15328598	41.68920135	33.73339081
14.21218014	2.20479465	37.7849617	40.43689728	34.98569489
13.54919529	3.89908838	42.94150543	36.67998886	37.26930618
18.19008636	0.36317122	43.75181961	36.97464752	39.1845932
28.94516754	-2.14143682	42.27852249	39.47925568	42.13119125
36.60632324	-1.3311224	41.98386383	40.87888718	42.42585373
36.67998886	-0.22614829	46.33009338	39.84757996	42.13119125
30.34480286	-2.65709138	48.76103592	41.91019821	40.80522537
25.70391083	-2.21510172	47.87705994	45.44611359	40.5105629
23.56762695	2.79411435	43.89915085	46.8457489	38.37427902
25.04092598	7.95066023	41.83653259	43.67815781	35.50134659
25.1145916	12.22322655	40.14223862	42.64684677	33.36506653
22.97830772	17.23244286	38.44794464	43.08883667	35.94333649
15.68547916	22.53631783	36.00595474	43.16250229	38.30061722
9.49762344	21.21035004	40.58422852	40.9525528	37.71129608

16.35730934	37.77521515	41.02482986	45.75154114	30.83285904
17.02200317	35.11643982	40.28628159	47.37634659	35.70727921
17.76055145	37.18437576	36.36605453	42.64963531	37.8490715
16.13574409	39.54773331	36.07655334	39.17845917	36.96281052
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10.4489212	40.65555573	31.49755287	43.2404747	34.67331314
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16.94814873	39.84315109	41.83723068	43.83131409	36.1504097
14.65864754	38.21834564	39.10460281	43.46203995	34.89487839
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18.20368004	40.43399048	42.64963531	43.97902298	33.78705215
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19.45921326	39.6954422	45.89925003	54.68797684	40.72940826
21.15787506	39.17845917	42.35421753	59.41468811	42.64963531
23.15195465	37.70136261	40.72940826	57.49446106	43.38818359
24.48134232	36.59353638	42.28036118	55.20495987	42.35421753
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26.32771492	32.53152084	42.35421753	56.09121704	45.89925003
26.40156937	29.79889107	39.6954422	52.02920151	48.55802536
26.99240685	29.06034279	39.6954422	47.59791183	47.08092499
26.69898906	27.87866592	40.43399048	43.90516663	45.01298804
25.88458443	27.95252037	39.32616806	41.17253876	43.2404747
25.36760139	27.14011765	37.18437576	39.25231171	44.42215347
26.84469795	28.98648834	36.96281052	42.64963531	44.56986237
27.36168289	32.1622467	36.88895798	45.0868454	42.79734421
26.62313271	33.56549072	34.67331314	43.97902298	38.14448929
27.50939176	27.43553734	32.1622467	43.46203995	37.40594101
28.9126339	21.82256889	32.4576683	49.00115204	39.4000206
28.54335976	22.78268051	34.23018265	57.5683136	41.5418129
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35.92884445	30.38973045	33.78705215	51.36450958	44.20058823
37.92292404	30.83285904	33.19621658	48.26260376	45.75154114
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53.28473282	327.956665	160.6462097	23.7640686	42.7696228	37.57826996	51.80763626
53.43244171	322.8001099	162.2710114	20.96479988	43.82548523	37.25823212	53.5801506
50.55210495	317.0542603	160.3507843	20.35092545	44.6112442	35.92884445	54.44179535
47.08092499	317.0542603	158.8736877	22.11888504	43.03972626	33.88552856	54.04789734
49.66584776	320.5901794	157.6920013	24.35338593	40.33868027	33.39316177	53.21088028
55.05725098	327.6619873	157.6920013	23.59218216	38.71805191	32.90079498	51.85687256
59.19312286	333.2605286	155.4025116	21.5050087	39.16003799	30.660532	51.43836212
58.74999237	336.57547	153.1130066	18.63207626	39.82302475	27.2632103	53.43244171
58.15915298	337.0911255	151.0450745	16.17657852	39.74835913	25.93382263	56.0173645

	.006150			17.67	21.45	15.69	23.60	22.54	36.74	38.01	47.67	43.16	53.88
	.006160			17.82	20.20	9.50	23.89	21.21	33.71	40.58	49.81	40.95	60.08
	.006170			20.40	19.61	6.33	22.93	11.85	35.93	41.69	51.00	41.98	61.63
	.006180			25.34	22.71	6.48	21.53	2.13	39.99	40.29	49.89	42.13	56.53
	.006190			28.43	24.19	4.34	23.45	-1.40	41.62	40.51	48.56	41.39	50.04
	.006200			30.42	23.89	1.91	28.03	-.37	41.02	44.78	47.08	39.85	43.91
	.006210			28.50	20.05	2.35	29.73	.51	41.17	45.67	44.72	41.62	43.39
	.006220			26.29	17.54	8.32	29.65	-.74	42.80	41.84	42.95	43.75	45.01
	.006230			23.71	15.54	11.49	27.07	-1.92	42.95	38.89	41.39	45.52	44.05
	.006240			24.16	16.95	5.89	25.66	-1.85	39.92	41.17	41.25	44.78	39.40
	.006250			27.40	18.57	-4.87	24.63	-3.54	34.38	41.54	39.55	43.68	37.33
	.006260			33.44	21.82	-6.78	26.55	-8.03	31.05	38.67	36.00	42.50	36.22
	.006270			34.25	20.94	.29	28.25	-11.35	31.50	35.58	27.95	41.54	34.53
	.006280			29.90	19.31	7.36	28.62	-10.02	35.26	36.83	24.33	39.18	30.54
	.006290			23.20	16.73	8.98	23.60	-8.55	35.26	37.56	29.36	40.51	28.17
	.006300			22.83	16.43	13.99	19.75	-9.14	29.95	38.30	37.33	41.62	27.36
	.006310			22.54	17.10	21.06	19.90	-11.50	24.63	36.16	34.08	39.33	31.28
	.006320			19.00	19.02	24.01	27.73	-13.34	26.33	33.66	27.88	35.50	39.10
	.006330			16.79	22.12	17.97	34.16	-13.71	31.79	30.93	27.95	36.53	44.27
	.006340			20.77	25.37	12.67	35.26	-13.34	36.22	32.11	32.90	40.66	41.02
	.006350			23.27	25.07	11.56	32.31	-10.17	36.59	34.54	35.34	45.08	37.48
	.006360			20.33	23.60	14.88	32.09	-8.78	33.27	35.80	37.70	42.72	38.22
	.006370			17.09	21.45	15.98	31.57	-5.31	29.21	34.03	40.43	39.04	45.75
	.006380			20.62	21.38	15.61	31.28	-8.11	27.88	35.65	41.69	37.56	51.51
	.006390			25.34	22.12	12.96	30.69	-9.73	31.13	42.28	39.55	39.26	53.51
	.006400			26.51	25.96	10.82	30.32	-10.39	32.83	47.14	37.48	36.53	51.29
	.006410			20.99	29.43	9.13	27.29	-11.13	30.83	42.87	35.93	33.00	49.44
	.006420			17.16	30.32	9.20	23.00	-12.45	27.58	35.80	33.05	31.82	47.52
	.006430			15.91	26.33	10.31	19.16	-12.53	26.84	34.62	28.25	36.09	48.04
	.006440			18.34	24.48	12.67	18.57	-12.53	28.62	37.12	25.22	38.37	48.19
	.006450			19.15	23.82	14.73	19.16	-14.30	30.32	38.01	25.07	40.44	50.92
	.006460			21.51	24.26	16.35	21.97	-17.24	31.35	38.08	25.22	41.03	52.55
	.006470			22.39	22.71	14.58	24.33	-18.42	30.61	37.05	23.00	40.14	52.99
	.006480			20.47	20.27	11.04	23.82	-15.11	28.40	37.27	22.93	38.30	51.22
	.006490			15.46	16.14	7.51	19.90	-10.17	27.36	36.09	25.37	39.04	49.15
	.006500			12.08	14.81	8.69	21.67	-5.53	29.95	35.65	29.21	41.32	46.12
	.006510			9.64	14.58	11.04	28.32	-3.17	31.87	34.54	28.84	42.72	44.05
	.006520			9.87	16.36	12.00	32.83	-3.91	31.42	33.44	28.17	38.89	40.29
	.006530			13.18	18.35	8.54	30.02	-7.00	30.39	30.34	27.88	33.88	36.59
	.006540			18.04	19.61	6.48	25.96	-10.69	31.57	30.71	29.36	30.71	32.46
	.006550			18.41	17.91	7.51	25.59	-14.15	32.61	31.16	28.47	34.25	30.24
	.006560			16.79	17.32	8.54	27.44	-14.44	32.24	32.26	30.46	37.42	26.70
	.006570			14.36	15.91	.88	24.26	-11.05	33.34	31.38	32.75	37.34	24.92
	.006580			15.02	15.47	-6.49	18.79	-8.70	35.56	30.34	30.39	37.27	24.33
	.006590			14.80	14.73	-1.33	15.84	-9.14	33.64	29.17	25.37	39.28	24.92
	.006600			12.74	13.77	11.56	15.91	-12.90	28.76	30.05	26.62	37.34	22.12
	.006610			9.13	10.74	14.21	14.14	-14.89	25.81	30.64	32.46	36.97	23.15
	.006620			8.83	8.53	8.02	15.54	-12.23	24.92	29.46	33.64	38.01	25.37
	.006630			11.04	9.49	3.09	19.39	-7.08	24.56	27.69	27.80	37.93	26.70
	.006640			14.43	12.52	5.15	22.27	-5.90	26.18	27.25	22.12	30.93	23.89
	.006650			15.10	11.93	8.02	19.02	-7.37	28.99	30.12	20.79	25.78	23.15

38.30	58.75	.006150	336.58	153.11	18.63	27.26	39.82	53.43	0.01116	20.40003586
37.71	58.16	.006160	337.09	151.05	16.18	25.93	39.75	56.02	0.01117	25.33558655
34.76	58.01	.006170	335.77	150.31	12.86	26.16	39.48	56.88	0.01118	28.42951393
33.37	59.93	.006180	332.01	150.38	11.31	28.08	38.60	55.45	0.01119	30.41846657
31.67	58.60	.006190	326.34	150.38	10.46	29.75	37.66	52.40	0.0112	28.50317955
31.30	56.39	.006200	320.30	150.90	10.65	30.98	38.64	49.12	0.01121	26.29323006
29.61	51.96	.006210	319.34	151.78	10.46	30.32	38.96	46.69	0.01122	23.71495819
30.12	48.85	.006220	320.96	151.93	11.29	30.00	38.57	45.60	0.01123	24.15694809
29.31	45.31	.006230	322.65	151.56	11.09	28.52	37.91	43.59	0.01124	27.3982048
28.72	44.72	.006240	321.18	149.42	9.40	27.51	38.23	41.79	0.01125	33.43872833
27.10	43.83	.006250	317.57	147.35	6.33	25.86	37.44	40.24	0.01126	34.24904251
27.47	44.50	.006260	313.81	146.32	6.21	26.48	36.21	38.91	0.01127	29.90281296
26.96	44.35	.006270	312.86	144.25	7.73	26.89	34.69	35.61	0.01128	23.19930267
27.55	45.75	.006280	317.05	141.22	9.08	27.73	34.52	33.54	0.01129	22.83097839
28.50	45.90	.006290	322.21	137.53	7.88	25.20	35.53	34.48	0.0113	22.53631783
30.57	46.49	.006300	322.43	132.29	9.23	22.04	36.83	37.06	0.01131	19.00040054
29.68	46.27	.006310	319.41	127.26	10.70	20.54	35.06	37.21	0.01132	16.79045296
27.99	47.08	.006320	317.35	124.16	9.89	24.36	32.38	38.02	0.01133	20.76836014
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31.82	54.02	.006340	320.30	128.00	6.70	32.29	34.86	42.65	0.01135	20.32637024
30.64	57.35	.006350	323.17	128.30	8.22	31.33	36.75	43.39	0.01136	17.08511353
28.13	57.72	.006360	326.85	128.67	9.47	29.65	35.55	44.55	0.01137	20.62103081
25.63	56.09	.006370	328.62	128.81	9.25	27.41	32.90	47.43	0.01138	25.33558655
27.18	55.35	.006380	327.00	127.04	9.37	26.84	33.46	49.52	0.01139	26.51422501
29.90	55.06	.006390	323.61	124.31	9.52	27.98	37.15	49.37	0.0114	20.98935509
33.29	53.73	.006400	322.95	121.95	8.98	29.70	38.99	47.50	0.01141	17.15877724
33.59	50.33	.006410	325.60	121.50	6.33	29.18	36.48	45.23	0.01142	15.90647411
34.47	50.11	.006420	326.34	119.44	4.64	26.97	34.03	43.56	0.01143	18.3374176
33.88	50.55	.006430	327.07	117.37	4.56	24.11	34.86	42.28	0.01144	19.14773178
33.81	49.67	.006440	325.67	113.90	6.16	23.89	36.43	41.02	0.01145	21.5050087
32.85	43.98	.006450	323.24	108.65	6.53	24.43	37.10	39.99	0.01146	22.38898849
37.56	42.35	.006460	322.28	102.74	6.87	25.86	38.89	40.04	0.01147	20.47369957
43.97	45.09	.006470	325.16	98.61	6.18	25.88	40.39	40.36	0.01148	15.46448421
49.94	48.78	.006480	333.48	101.12	5.47	24.16	41.84	40.98	0.01149	12.07589722
49.87	45.60	.006490	339.15	105.48	4.27	21.13	41.66	40.04	0.0115	9.64495373
46.55	40.73	.006500	337.16	105.55	5.08	22.14	41.17	38.69	0.01151	9.86594868
38.23	37.55	.006510	331.79	99.49	5.84	24.92	38.50	36.82	0.01152	13.18087101
33.37	39.77	.006520	330.17	92.70	5.99	26.87	35.23	36.08	0.01153	18.04275703
34.54	42.65	.006530	333.33	90.19	4.91	26.25	32.92	35.71	0.01154	18.41108131
38.15	44.27	.006540	334.81	91.37	4.61	25.71	33.19	35.36	0.01155	16.79045296
37.42	43.54	.006550	333.41	94.84	3.92	25.37	34.27	34.08	0.01156	14.35951042
37.27	41.62	.006560	328.84	94.62	3.63	25.86	35.65	32.93	0.01157	15.02249432
38.45	37.70	.006570	326.04	90.63	1.39	24.51	35.72	31.79	0.01158	14.80149937
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37.27	34.82	.006590	332.89	87.09	1.44	21.40	35.23	28.37	0.0116	9.12929916
37.56	34.08	.006600	338.86	90.63	3.80	19.48	34.99	27.61	0.01161	8.83463955
36.97	27.73	.006610	341.58	91.22	2.82	16.90	34.66	27.78	0.01162	11.04458809
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36.53	31.57	.006640	335.03	73.05	4.56	20.32	31.57	25.86	0.01165	14.7278347
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6.33003139	11.85490227	41.68920135	41.98386383	34.76469803
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21.3794384	31.27598953	27.87866592	41.68952179	51.51221848
22.11798859	30.68515015	31.12827873	39.54773331	53.50629807
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20.27161598	23.81664848	28.39564896	22.93039131	51.21679688
16.13574409	19.90234184	27.36168289	25.36760139	49.14886093
14.80635738	21.67485809	29.94690187	29.20805359	46.12081528
14.58479309	28.32179451	31.86682701	28.83877945	44.05287933
16.35730934	32.82694244	31.42369843	28.17408562	40.28628159
18.35139084	30.02045631	30.38973045	27.87866592	36.59353638
19.60892215	25.95843887	31.57140923	29.35576248	32.4576683
17.90826225	25.58916473	32.6053772	28.46950531	30.24202156
17.31742287	27.43553734	32.23610306	30.4635849	26.69698906
15.91418076	24.25977898	33.34392548	32.75308609	24.92447281
15.47105122	18.79451942	35.55957031	30.38973045	24.33363342
14.73250294	15.84032536	33.63934326	25.36760139	24.92447281
13.77238941	15.91418076	28.764925	26.62313271	22.11798859
10.7443409	14.14166355	25.81072998	32.4576683	23.15195465
8.52869511	15.54490662	24.92447281	33.63934326	25.36760139
9.48880863	19.38535881	24.55519676	27.80481148	26.69698906
12.51685715	22.26569748	26.18000412	22.11798859	23.89050484
11.92601871	19.01608467	28.98648834	20.78860092	23.15195465
11.11361504	14.65864754	31.42369843	21.74871254	24.92447281
11.70445442	11.40903473	32.01453781	19.38535881	26.54927826

58.01144409	335.7651367	150.3085186	12.86165619	39.47925568	26.15538597	56.87900543
59.93167114	332.0082398	150.3803711	11.3146925	38.59527588	28.07561111	55.45114136
58.60228346	326.3360291	150.3803711	10.45526791	37.85862732	29.74965477	52.39847565
56.38663864	320.2955017	150.8973694	10.65170765	38.64438629	30.98056984	49.12424469
51.95534515	319.3378601	151.7836151	10.45526886	38.96360016	30.31587601	46.68703461
48.85344315	320.9584961	151.9313355	11.29013729	38.57072067	29.96583817	45.60382843
45.30841064	322.652771	151.5620575	11.09369755	37.90773773	28.51874161	43.5851326
44.71757126	321.1794739	149.4202728	9.39940453	38.2269516	27.50939178	41.78799438
43.83131409	317.5699158	147.3523254	6.33003139	37.44119263	25.85996628	40.23704529
44.49600601	313.8129883	146.3183594	6.20725632	36.21344376	26.47542381	38.90765762
44.34329712	312.8553467	144.2504273	7.7296648	34.69103241	26.89393425	35.60880661
45.75154114	317.0542603	141.2223816	9.0801897	34.51914978	27.73095703	33.54087067
45.89925003	322.2107849	137.5296326	7.87699509	35.52590179	25.19527435	34.47636414
46.49008942	322.4317932	132.2859345	9.22751904	36.82731628	22.04413223	37.06128693
46.26852417	319.4115295	127.2638092	10.70081711	35.05935669	20.54241753	37.20899582
47.08092499	317.3489075	124.161911	9.89050293	32.38286591	24.35825157	38.02139684
49.37042618	319.1168823	126.8206787	7.0175705	32.16187266	29.35576248	40.53246307
54.0232811	320.2955017	128.0023651	6.69835615	34.86291865	32.28533936	42.64963531
57.34675217	323.1684265	128.2977753	8.22076511	36.75365067	31.32522392	43.36818359
57.71802631	326.8516846	128.6670532	9.47306919	35.550457	29.65118217	44.54524612
56.09121704	328.6196594	128.8147583	9.25207424	32.89852142	27.41091919	47.42558289
55.35268876	326.9990234	127.042244	9.37484932	33.46328354	26.84469795	49.51813507
55.05725096	323.6104431	124.3096161	9.52217865	37.14653015	27.97713852	49.37042618
53.72786331	322.9474487	121.9462585	8.98196888	38.98815536	29.70041847	47.49943924
50.3305397	325.5993958	121.5031357	6.33003187	36.48354721	29.18343353	45.23455429
50.10897446	326.3360291	119.4351959	4.63573742	34.02804947	26.9677887	43.56051254
50.55210495	327.0726929	117.3672638	4.56207323	34.86291885	24.11206818	42.28036118
49.66584776	325.6730347	113.89608	6.15814686	36.4344368	23.89050293	41.02482986
43.97902298	323.242096	108.6523895	6.52647161	37.09741974	24.43210602	39.99085999
42.35421753	322.2844544	102.7440033	6.87024069	38.88993454	25.85996628	40.04009628
45.0868454	325.1573792	98.60813141	6.18270159	40.38779068	25.88458443	40.36013412
48.77958679	333.4815369	101.119194	5.47060728	41.83653259	24.16130447	40.97559357
45.60382843	339.153717	105.4766312	4.26741314	41.66464996	21.13325691	40.04009628
40.72940826	337.1647644	105.5504837	5.07772732	41.17354965	22.14260483	38.68609238
37.5536499	331.7872315	99.49438477	5.83893204	38.49705505	24.9244709	36.81510162
39.76929474	330.1665955	92.69974518	5.98626137	35.23124313	26.8693161	36.07655334
42.64963531	333.334198	90.18857493	4.90584278	32.92307663	26.25385857	35.70727921
44.27444077	334.8074951	91.3703537	4.61118269	33.19318008	25.71225739	35.36262512
43.53589249	333.4078674	94.84152985	3.92364335	34.27359772	25.36760139	34.08247375
41.61566925	328.8406372	94.6199646	3.62898374	35.64867763	25.66302109	32.92541504
37.70136261	326.0413818	90.63190542	1.39448059	35.72234344	24.50596237	31.79297447
34.96973093	327.2200012	86.49593353	-0.05426343	35.40312958	23.2750473	29.89736557
34.82102203	332.8922119	87.08677673	1.44359016	35.23124313	21.40405655	28.37103271
34.08247375	338.8590698	90.63190542	3.80086875	34.98569469	19.48383141	27.60786438
27.73095703	341.5846863	91.22284099	2.81866932	34.86291885	16.89691052	27.78019333
22.85853887	340.4797058	86.58978607	1.54181039	34.32270813	16.33269119	27.28782654
25.95843887	338.1960754	79.77514648	2.35212469	33.58605957	17.80978775	26.8200798
31.67140923	335.0285034	73.05435181	4.56207275	31.57255173	20.32085228	25.85996819
30.98056984	336.4281311	73.05435181	5.24961233	30.02558899	19.97619629	24.97370911
28.9126339	340.6270447	77.19022369	5.86348677	31.10600662	19.06532097	25.19527245
26.77084351	344.015625	80.73525238	6.4773612	31.85721039	18.37600899	24.23516083

	.006660			14.73	11.11	10.90	14.66	-8.03	31.42	34.54	21.75	24.45	24.92
	.006670			15.10	11.70	10.38	11.41	-6.05	32.01	32.63	19.39	26.22	26.55
	.006680			18.56	10.45	7.44	7.72	-6.27	29.50	28.58	16.51	26.81	23.30
	.006690			20.69	5.28	5.37	4.39	-10.24	25.96	27.10	14.22	28.06	18.28
	.006700			22.46	8.31	10.01	7.79	-12.16	24.70	30.86	13.11	27.10	13.55
	.006710			23.49	18.57	15.02	12.07	-10.54	25.22	33.07	10.01	25.63	15.84
	.006720			25.85	25.22	15.69	13.77	-8.84	25.52	33.07	7.86	25.04	21.38
	.006730			24.67	21.82	13.48	12.37	-8.70	24.63	31.23	8.97	26.29	24.41
	.006740			22.09	19.16	15.39	15.62	-7.81	23.82	31.82	14.58	25.26	21.53
	.006750			21.51	22.56	18.41	20.86	-7.45	22.19	33.22	17.24	24.23	19.16
	.006760			25.34	27.44	20.33	23.82	-8.99	20.64	34.62	15.91	22.68	19.02
	.006770			28.65	27.66	16.27	18.87	-10.61	20.57	33.29	11.48	23.57	21.90
	.006780			29.02	25.22	11.78	14.14	-9.88	21.31	32.41	11.48	25.85	23.45
	.006790			26.37	23.08	8.69	13.18	-9.60	19.46	31.89	16.14	30.12	23.37
	.006800			27.40	24.63	9.87	16.73	-12.09	15.47	33.88	21.53	31.89	18.50
	.006810			32.63	26.99	10.90	16.95	-11.79	14.58	35.28	21.82	33.44	15.18
	.006820			40.95	28.03	14.58	15.69	-8.84	16.51	37.78	20.79	32.92	14.22
	.006830			43.90	25.59	17.97	14.73	-5.24	17.39	40.36	22.27	31.23	14.88
	.006840			41.91	20.42	19.15	13.40	-3.69	15.32	40.95	24.48	26.66	11.70
	.006850			38.89	14.36	14.58	7.35	-1.85	14.29	37.71	21.75	26.59	8.09
	.006860			43.02	16.43	10.75	5.87	-2.80	14.29	34.84	18.57	30.42	6.46
	.006870			54.29	21.16	11.49	10.38	-8.12	14.36	35.50	20.35	36.75	7.94
	.006880			68.06	24.19	17.67	13.11	-8.55	13.92	36.68	24.92	39.33	8.97
	.006890			69.09	23.00	22.68	10.23	-4.72	14.95	33.59	25.74	39.04	9.56
	.006900			58.04	21.60	25.34	9.49	-.89	15.84	30.93	26.48	34.18	7.86
	.006910			46.40	19.75	23.71	12.00	-.59	16.51	29.90	27.14	30.64	7.49
	.006920			44.71	20.79	21.06	15.47	-1.48	18.87	30.93	27.73	30.05	6.90
	.006930			43.31	22.12	20.33	14.29	-1.33	21.01	30.64	26.11	31.52	6.68
	.006940			40.36	24.33	21.95	12.37	-2.80	20.35	31.67	29.06	31.89	5.65
	.006950			39.33	24.11	22.32	11.19	-6.34	19.24	32.41	33.34	33.88	6.76
	.006960			43.83	23.37	24.16	11.93	-8.70	20.35	34.47	34.23	38.37	9.41
	.006970			43.90	22.86	28.65	12.07	-8.03	21.45	35.50	28.32	40.14	12.22
	.006980			37.34	23.15	33.51	13.55	-4.06	21.16	37.27	21.31	36.61	10.89
	.006990			31.82	21.67	31.67	14.14	-2.29	20.79	39.26	18.13	34.99	7.72
	.007000			38.15	20.79	25.48	12.96	-3.47	21.53	39.26	19.16	34.99	8.38
	.007010			49.20	22.04	19.30	8.23	-4.94	21.23	33.73	17.10	35.06	18.13
	.007020			55.83	26.55	18.85	4.76	-2.95	21.75	29.61	13.40	29.90	22.49
	.007030			52.15	26.99	20.40	5.65	2.20	22.86	30.64	9.86	27.03	18.13
	.007040			46.62	24.48	22.39	12.22	6.48	20.20	35.43	9.71	28.80	15.54
	.007050			45.37	20.64	22.09	15.32	7.07	19.31	35.80	7.86	32.33	24.63
	.007060			49.94	20.05	22.09	15.54	3.02	22.49	35.50	7.49	30.34	31.72
	.007070			47.36	20.79	22.32	15.54	-1.92	26.11	35.80	9.86	27.99	31.28
	.007080			38.52	22.78	23.13	19.31	-5.75	25.07	35.94	13.70	25.63	26.84
	.007090			31.52	22.56	22.54	22.27	-4.72	24.19	34.62	16.14	23.86	28.84
	.007100			28.87	23.74	21.51	23.00	-2.58	26.70	37.42	18.43	19.00	30.76
	.007110			25.11	22.71	19.07	21.53	-2.36	29.73	41.69	19.68	17.90	31.13
	.007120			26.22	21.67	18.26	20.94	-2.66	29.95	41.84	21.31	22.68	29.36
	.007130			29.53	18.87	19.30	19.68	.58	29.95	35.06	22.78	28.72	28.32
	.007140			32.19	20.27	20.47	19.31	5.15	30.61	30.20	26.18	28.36	26.77
	.007150			30.93	21.60	18.12	18.28	7.51	30.02	31.52	26.48	24.16	26.62
	.007160			31.08	22.12	18.26	17.24	5.67	27.29	35.58	26.84	21.43	26.70

34.32	28.91	.006660	340.63	77.19	5.86	19.07	31.11	25.20	0.01167	18.55841255
36.75	26.77	.006670	344.02	80.74	6.48	18.38	31.87	24.24	0.01168	20.69469452
39.18	24.78	.006680	346.81	80.44	6.58	15.89	31.52	21.53	0.01169	22.46265411
36.46	19.16	.006690	347.11	75.42	5.27	11.88	30.54	17.22	0.0117	23.49396324
35.50	16.51	.006700	345.64	71.72	6.77	13.60	31.16	14.39	0.01171	25.85124016
36.16	16.73	.006710	343.57	70.91	9.33	18.62	31.62	14.19	0.01172	24.6726017
37.27	19.61	.006720	344.90	73.35	10.90	21.50	31.79	16.28	0.01173	22.09432793
36.24	19.31	.006730	348.73	76.38	9.82	19.61	31.25	17.56	0.01174	21.5050087
34.91	16.36	.006740	349.39	75.57	9.89	19.53	30.66	17.49	0.01175	25.33558655
32.63	11.26	.006750	349.10	71.87	10.82	21.87	30.03	15.89	0.01176	28.65050888
33.14	10.30	.006760	348.95	67.59	12.22	23.96	30.15	15.08	0.01177	29.01883316
35.58	10.52	.006770	346.37	65.82	11.44	22.36	30.81	14.63	0.01178	26.36689568
38.08	10.08	.006780	340.85	67.22	10.31	20.22	32.11	15.00	0.01179	27.3982048
39.48	8.16	.006790	340.63	69.51	8.42	18.57	33.83	15.89	0.0118	32.62841415
38.96	4.84	.006800	348.14	68.77	8.39	18.94	34.91	14.95	0.01181	40.9525528
34.69	.77	.006810	353.15	64.27	10.58	19.51	34.47	12.59	0.01182	43.89915085
33.00	1.44	.006820	347.55	60.28	15.56	20.07	34.57	12.15	0.01183	41.91019821
34.25	3.14	.006830	338.71	59.39	18.88	19.24	35.28	13.43	0.01184	38.88993454
34.91	1.73	.006840	337.46	60.13	19.12	16.38	34.18	12.64	0.01185	43.01517105
30.57	-2.99	.006850	341.81	61.09	17.21	12.00	31.62	8.95	0.01186	54.28590775
28.06	-2.55	.006860	341.66	62.12	16.99	12.20	31.11	7.49	0.01187	68.06124878
27.91	2.77	.006870	339.01	65.23	19.88	15.30	33.39	10.35	0.01188	69.09255981
30.79	8.31	.006880	339.23	70.40	25.73	17.07	35.60	14.07	0.01189	58.04281968
32.41	6.61	.006890	341.36	74.09	29.02	16.06	35.01	13.97	0.0119	46.403759
33.07	4.17	.006900	343.57	74.83	27.50	15.54	32.73	12.84	0.01191	44.70946503
33.73	4.25	.006910	341.81	70.62	23.17	16.09	31.43	12.96	0.01192	43.30983353
37.71	7.94	.006920	340.33	68.33	21.43	18.38	32.90	14.19	0.01193	40.36323547
38.23	7.49	.006930	339.89	70.47	20.77	19.14	33.46	13.43	0.01194	39.33192444
35.06	4.84	.006940	340.70	75.05	19.84	19.02	32.87	13.18	0.01195	43.82548523
29.09	1.29	.006950	342.54	78.22	18.44	18.18	31.79	13.80	0.01196	43.89915085
29.24	1.00	.006960	341.58	78.82	19.76	18.55	34.03	14.88	0.01197	37.3429718
29.76	1.44	.006970	338.56	79.63	21.51	18.79	35.13	13.99	0.01198	31.81810188
28.65	4.10	.006980	334.14	82.80	22.27	19.29	34.18	12.10	0.01199	38.15328598
27.69	6.61	.006990	330.76	85.24	20.40	18.87	33.98	10.82	0.012	49.20302582
31.38	8.09	.007000	331.27	87.97	20.06	18.43	35.21	11.88	0.01201	55.83287048
35.80	6.39	.007010	336.13	88.79	21.19	17.17	34.66	13.87	0.01202	52.14962387
38.60	5.94	.007020	338.79	87.68	23.91	17.69	32.70	13.94	0.01203	46.62475586
37.71	7.64	.007030	328.03	84.06	24.92	18.50	31.79	11.88	0.01204	45.37245178
35.65	9.86	.007040	311.16	82.21	25.16	18.97	33.29	11.70	0.01205	49.93967819
33.44	10.08	.007050	306.23	85.61	24.84	18.43	33.66	14.19	0.01206	47.36140442
30.64	11.63	.007060	313.74	89.15	25.02	19.36	32.16	16.95	0.01207	38.52161026
26.51	13.70	.007070	320.88	89.75	22.59	20.81	30.10	18.28	0.01208	31.52344131
26.22	17.54	.007080	319.12	89.75	18.63	22.39	29.26	19.36	0.01209	28.87150383
26.07	18.13	.007090	309.84	91.44	16.45	23.00	28.18	21.03	0.0121	25.1145916
24.75	18.13	.007100	301.95	93.96	15.93	24.48	27.05	22.44	0.01211	26.21956635
21.87	16.65	.007110	298.93	92.26	13.94	24.65	27.15	22.49	0.01212	29.53448868
22.39	17.54	.007120	304.53	90.34	13.94	24.19	28.67	22.73	0.01213	32.18642426
21.28	16.21	.007130	310.57	90.34	16.47	22.83	28.36	22.44	0.01214	30.93412209
20.18	14.14	.007140	311.46	94.47	19.27	23.40	26.24	22.36	0.01215	31.08145142
18.56	12.37	.007150	306.74	96.91	18.85	23.30	24.75	21.82	0.01216	31.67077065
19.74	15.03	.007160	303.35	94.99	18.34	22.22	25.58	22.86	0.01217	29.01883316

7.43500566	-6.26667356	28.57684326	26.80888557	39.1845832
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9.86594868	-12.08620358	33.88071823	31.89176559	38.96360016
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25.21989059	13.77238941	25.51531029	7.86400175	21.3794384
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25.21989059	14.14166355	21.30558395	11.48288918	23.44737434
23.0781002	13.18155098	19.45921326	16.13574409	23.3735199
24.62905312	16.72658348	15.47105122	21.5271492	18.49909973
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.007180	29.02	23.45	27.10	18.28	1.47	26.84	29.83	33.20	27.84	26.40
.007190	22.76	22.86	22.24	22.04	.14	31.05	27.99	35.26	26.81	26.99
.007200	21.51	22.56	18.93	24.78	-2.95	33.20	30.42	37.18	22.17	24.70
.007210	24.75	24.78	23.20	22.56	-4.43	32.97	30.57	36.15	21.80	21.45
.007220	26.44	30.24	29.46	21.16	.14	33.71	30.79	33.34	23.05	19.31
.007230	22.24	33.93	25.48	22.63	4.41	33.64	29.68	29.58	24.89	20.57
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.007250	10.31	31.87	12.08	24.92	1.62	30.32	23.42	26.55	27.84	19.75
.007260	2.79	29.95	15.32	26.40	4.34	30.09	22.39	25.66	27.84	17.24
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.007320	18.12	28.47	7.73	27.44	11.63	33.34	22.09	20.20	32.78	28.32
.007330	20.84	28.10	4.05	13.55	12.37	34.89	18.85	20.64	29.76	31.57
.007340	20.69	29.06	4.56	.48	12.30	39.25	17.23	21.82	24.75	31.87
.007350	16.05	28.03	7.36	5.06	13.33	42.87	16.42	21.67	24.16	30.54
.007360	15.54	31.20	9.13	24.92	12.22	41.84	17.53	21.08	26.37	29.36
.007370	18.78	35.41	8.83	37.70	10.60	40.14	19.00	20.79	31.16	32.46
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.007420	21.58	35.85	7.58	32.46	9.06	39.99	22.46	31.13	30.20	38.66
.007430	20.40	34.67	15.32	35.41	8.91	44.13	21.36	31.28	29.61	40.51
.007440	20.25	34.38	20.77	38.66	6.33	43.83	20.77	35.12	25.34	39.62
.007450	18.41	36.15	19.88	37.63	2.65	39.10	19.59	39.70	24.45	37.78
.007460	16.05	40.73	17.60	36.96	2.20	35.85	18.93	43.46	26.44	33.34
.007470	14.21	42.21	13.25	39.03	4.05	38.14	13.99	43.39	28.50	31.87
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.007510	17.16	39.77	14.88	42.80	-.52	42.87	15.54	40.06	23.49	34.53
.007520	17.53	43.24	12.37	45.90	-.45	42.50	17.31	40.88	19.74	31.72
.007530	17.67	43.83	6.33	48.78	-3.39	43.17	17.38	39.40	19.74	33.71
.007540	18.26	43.09	4.49	48.63	-7.30	44.27	17.09	39.10	22.39	37.63
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.007570	16.20	37.92	6.11	50.04	-6.63	52.99	13.92	34.38	18.12	37.78
.007580	21.87	39.70	5.15	52.32	-6.63	49.74	14.58	36.30	17.38	40.14
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.007620	12.08	37.33	.22	55.80	-7.81	57.20	10.09	34.23	11.49	40.43
.007630	15.24	35.63	1.76	58.09	-8.55	60.60	10.31	35.26	12.44	41.54
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.007660	18.71	45.68	-2.36	58.53	-7.08	58.31	12.67	41.17	13.77	43.24
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19.37	16.95	.007170	303.21	91.52	19.10	21.16	26.00	24.26	0.01218	22.75731277
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20.11	27.29	.007200	311.60	97.80	12.49	26.84	24.23	29.73	0.01221	26.44055939
19.81	27.73	.007210	312.71	97.87	14.51	26.77	24.06	28.44	0.01222	22.24165916
17.38	28.32	.007220	310.57	99.20	18.68	28.37	23.74	26.99	0.01223	17.37977219
14.29	30.24	.007230	308.36	101.41	17.38	30.07	22.95	26.80	0.01224	10.30793858
15.46	33.64	.007240	309.84	103.93	12.69	30.37	23.08	27.51	0.01225	2.79411435
16.94	33.86	.007250	312.93	106.29	8.00	29.04	22.73	26.72	0.01226	2.64678431
18.04	33.12	.007260	311.75	108.65	7.48	28.81	22.76	25.34	0.01227	19.07406616
19.30	33.64	.007270	309.69	111.09	10.82	28.81	23.71	25.24	0.01228	33.43872833
21.28	37.63	.007280	308.66	112.20	17.04	28.91	24.77	26.72	0.01229	31.52344131
19.37	38.96	.007290	309.69	112.57	19.30	29.73	24.06	27.04	0.0123	19.95804596
14.88	38.51	.007300	311.75	111.90	16.50	31.57	23.44	27.24	0.01231	18.11642265
13.25	37.48	.007310	311.82	108.73	13.03	31.79	23.91	27.78	0.01232	20.84202385
17.90	37.78	.007320	312.19	111.24	12.49	29.75	24.26	28.76	0.01233	20.69469452
20.25	36.82	.007330	310.20	116.48	12.42	25.52	22.95	29.68	0.01234	16.0538044
19.37	37.78	.007340	310.06	119.73	12.52	22.93	20.45	30.49	0.01235	15.53814888
15.98	37.63	.007350	311.31	118.33	12.25	25.32	18.65	29.95	0.01236	18.77940559
17.82	37.78	.007360	311.60	119.21	12.30	32.65	20.57	29.40	0.01237	22.31532288
23.27	37.48	.007370	312.19	126.01	12.74	37.75	24.48	30.24	0.01238	21.28401375
27.69	37.78	.007380	312.63	132.14	13.92	38.37	26.42	32.31	0.01239	21.21035004
23.27	34.97	.007390	314.03	133.76	13.06	34.99	23.35	32.65	0.0124	20.98935509
15.54	33.05	.007400	317.35	134.06	11.95	32.93	19.81	32.78	0.01241	21.57867432
11.27	32.16	.007410	319.26	135.76	10.95	33.32	19.71	33.29	0.01242	20.40003586
16.05	33.71	.007420	320.00	139.45	12.74	36.10	22.90	34.50	0.01243	20.25270462
22.39	33.27	.007430	315.88	139.45	14.88	38.07	24.45	35.02	0.01244	18.41108131
25.92	33.49	.007440	313.08	140.26	15.78	38.96	24.01	36.08	0.01245	16.0538044
21.80	34.30	.007450	311.46	146.54	13.65	37.63	21.95	37.26	0.01246	14.21218014
15.91	36.30	.007460	309.02	154.81	11.95	37.85	20.42	37.70	0.01247	16.49579239
14.36	36.74	.007470	306.89	160.94	10.50	39.79	18.95	37.33	0.01248	18.55841255
16.64	36.59	.007480	304.97	166.55	10.06	42.65	16.82	37.26	0.01249	18.92673683
15.91	37.18	.007490	304.02	175.27	9.52	42.82	15.49	37.53	0.0125	17.15877724
14.14	39.84	.007500	304.97	184.58	9.84	41.64	16.35	38.29	0.01251	17.52710152
13.03	42.35	.007510	308.66	188.56	10.50	41.81	17.36	38.98	0.01252	17.67443275
13.48	43.61	.007520	315.88	190.04	9.82	43.88	16.84	38.74	0.01253	18.26375198
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10.09	49.08	.007550	303.79	198.53	5.96	45.26	16.13	41.69	0.01256	16.20113373
14.51	52.84	.007560	301.07	201.41	6.01	46.32	16.05	41.39	0.01257	21.87333488
14.51	52.69	.007570	302.62	203.04	5.23	46.98	15.51	41.62	0.01258	22.02066422
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16.05	52.62	.007620	302.98	194.25	1.49	50.11	12.54	42.43	0.01263	18.77940559
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	.007710		7.51	41.25	-2.95	55.43	-12.38	61.48	7.66	44.79	12.00	55.65
	.007720		4.78	40.66	-.52	55.72	-13.71	63.62	5.37	46.05	10.90	51.51
	.007730		4.27	42.50	1.10	55.65	-12.60	67.39	4.12	46.49	8.39	49.67
	.007740		7.51	46.71	-1.33	55.43	-13.26	71.45	5.67	48.11	7.07	50.77
	.007750		6.62	45.75	-5.31	55.35	-16.65	74.85	7.36	51.00	9.79	52.40
	.007760		4.86	43.83	-7.59	55.57	-18.13	75.88	8.69	55.80	11.34	50.70
	.007770		3.46	42.87	-8.48	54.84	-12.90	75.44	8.98	58.16	12.67	51.29
	.007780		5.00	46.12	-6.63	55.35	-9.95	73.37	9.20	57.72	13.40	55.20
	.007790		.58	47.82	-2.36	56.68	-13.04	72.78	5.52	55.94	17.01	59.71
	.007800		-5.60	49.96	1.76	57.79	-19.01	73.74	2.20	56.68	18.41	58.23
	.007810		-9.95	50.63	.22	57.42	-19.38	73.08	1.69	57.49	16.57	56.39
	.007820		-7.96	51.51	-1.92	60.37	-16.80	71.60	5.52	57.57	8.98	55.28
	.007830		-5.01	49.30	-2.80	63.48	-14.89	72.86	6.18	56.31	5.37	57.13
	.007840		-6.34	46.34	-1.70	63.77	-14.15	76.25	7.07	59.78	5.15	57.72
	.007850		-15.33	44.72	-2.44	60.82	-13.34	78.54	8.25	61.85	6.85	57.13
	.007860		-18.42	47.15	-1.55	62.66	-13.49	79.50	10.16	60.52	7.07	57.27
	.007870		-10.39	49.15	-1.11	66.73	-12.09	81.64	7.51	57.27	7.14	59.86
	.007880		1.91	51.00	-1.11	68.94	-10.54	81.42	3.31	60.67	5.08	59.64
	.007890		5.08	51.73	-3.25	67.17	-11.28	80.09	1.62	62.89	3.02	57.35
	.007900		3.02	52.69	-3.25	65.99	-14.15	80.46	5.00	61.63	1.54	57.42
	.007910		1.62	52.25	-.45	65.99	-16.36	82.61	7.73	58.16	4.27	63.77
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	.007940		7.66	45.97	-4.72	69.46	-15.03	80.32	10.01	59.78	.88	66.73
	.007950		6.92	46.49	-8.48	66.87	-10.91	82.68	6.48	59.56	.14	67.69
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	.007990		.95	48.41	-5.82	71.01	-14.96	80.17	5.67	54.76	2.35	76.25
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	.008020		3.83	51.22	2.13	78.84	-22.55	79.72	11.93	56.76	3.53	75.15
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	.008160		8.83	56.68	.44	85.19	-13.25	93.31	7.36	68.65	9.57	82.38
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53.58015442	81.054115344	87.84880066	64.80609131	89.47360992
53.28473282	81.49728394	90.28601074	63.91983032	89.99059296
53.28473282	82.82667542	92.20623779	65.54463959	86.44556427
54.0232811	83.71292877	93.01864624	67.76028442	83.71292877
56.68205643	85.19002533	93.31406403	68.64654541	82.38354492
58.74999237	83.1220932	93.75719452	66.87402344	82.08812714
58.30686186	82.38354492	93.4617691	68.05570221	79.42935181
55.05725096	84.15605927	94.93896566	68.79425049	78.54309062
56.38663864	87.99651337	93.68333435	68.12955475	77.87839508

46.34237671	302.1739197	166.8500061	-0.91368794	11.21647263	52.37385941	47.79485703
47.81947327	300.3323059	162.1233063	-2.6079812	11.02003288	52.71851349	49.41966248
49.00115204	304.5312195	161.9755859	-3.14819098	8.78553009	53.33396912	48.85344315
47.89332962	309.5404358	160.4246368	-2.41154146	6.64924622	55.18033981	48.01642227
48.33646011	313.076355	157.9874268	-2.36243176	7.21401072	57.8637352	49.07500839
48.70573425	310.7927246	156.0671997	-5.11258984	9.00652409	58.65151978	50.69981384
50.4782486	305.1205139	156.9534607	-6.95421267	10.35704803	58.42995453	52.32461929
49.00115204	298.3433533	156.6580353	-5.97201347	10.35704803	57.71602249	52.81698608
48.70573425	294.954773	153.408432	-3.86028552	10.97092247	58.28224564	53.8755722
49.37042618	297.1647034	150.0849609	-4.94070435	11.58479691	59.09465027	55.00801468
52.10305786	302.4685974	150.4542389	-7.61719751	12.4687767	60.49789047	55.6727066
51.51221848	304.5312195	152.7437286	-9.7043705	12.19867229	60.37479782	55.13110733
52.98931503	303.2789002	156.8796082	-8.89405632	10.82359219	61.16258621	55.27881622
56.90362167	300.8479614	159.7599487	-7.56808758	8.48631527	61.87651443	58.78052902
61.77804184	304.8995361	161.5324554	-7.39620256	7.75422049	62.12269592	59.75934219
62.29502487	312.1186829	160.2030792	-10.36735535	8.02432537	61.3595314	60.42403793
60.96563721	313.1499939	160.9416199	-11.15311432	8.90830421	63.1074295	59.58701324
57.12518692	306.0045166	161.8278809	-7.86274719	8.63819865	65.84005737	58.08530045
54.76182938	305.5625305	163.4526825	-3.24641085	7.41045094	67.12020874	58.35609818
54.46841159	311.9713745	161.5324554	-3.14819098	6.10903645	66.33242798	58.23300934
55.79579926	313.9603272	156.2149048	-4.79337454	6.33003139	66.38166046	58.28224564
56.09121704	309.6877441	152.2287456	-5.06347942	7.41045046	66.94788361	59.34083176
57.49446106	308.6564331	153.1130066	-2.80442119	7.95066023	68.20341492	60.86716461
58.89770126	312.1186829	154.2208252	-2.92719626	7.33678579	67.0463562	61.87651443
58.60228346	314.3286438	155.3286591	-4.0321703	6.33003139	65.2492218	61.7041893
56.60320389	308.5091248	153.6296866	-4.15494537	5.93715191	65.3476944	61.28567886
57.5683136	307.6987915	153.4822846	-1.6503371	6.77202129	68.1541748	62.49197006
59.93167114	314.6969605	153.3345795	-0.86457777	7.11579037	69.48356628	64.33834076
63.18128204	321.62146	154.4423981	-3.24641085	6.52647161	68.08032227	65.17536163
63.62441254	320.51651	155.6240692	-6.61044312	5.47060728	66.52937317	64.87994385
64.28910828	316.7595825	156.2887726	-7.19976234	5.71615696	67.16944885	65.3476944
61.99960709	317.2015686	153.2607117	-5.80012894	5.61793709	68.62192535	65.15074921
61.33491135	320.5901794	149.715683	-5.53002405	5.86348677	69.92668915	64.41220093
61.26105881	321.62146	148.3852915	-7.3225379	5.83893204	70.71447754	64.6583786
65.10150909	323.1684265	150.8235016	-7.78908253	5.64249229	71.87153625	67.36639404
67.39100647	321.62146	152.3744659	-6.78232813	4.09552813	71.57611847	69.63127136
69.23738098	320.5901794	158.8736877	-4.81792974	3.99730825	71.05913544	70.56677246
68.05570221	319.485199	164.9297791	-5.08803415	4.51296282	70.76371765	70.51753235
67.76028442	320.0745239	163.4526825	-5.82468367	5.81437683	71.50226593	71.64997101
68.05570221	320.0745239	153.8515625	-6.78232813	5.85348677	71.7484436	72.53623199
70.71447754	321.0321655	147.5738983	-6.09478855	5.54427195	72.21619415	73.74252319
71.37917328	321.9899071	146.7614899	-3.90939546	4.7585125	72.70655713	74.53031158
71.60073853	323.3894348	150.4542389	-1.74855697	5.42149734	74.16103363	75.29347992
70.86219025	324.6417236	153.8515625	-1.0855726	6.62469101	75.02267456	76.92420197
70.93804279	326.7780151	155.3286591	-0.5699181	8.02432537	76.10588074	74.30874634
70.41905975	324.4207459	152.8175812	-1.0119077	8.26987457	76.91828918	73.96408844
71.7484436	320.7374878	151.9313355	-1.3311224	8.68730927	78.39538574	74.25951385
71.89615631	317.7908936	151.9313355	-1.42934239	8.83463955	78.54309082	73.61943817
71.89615631	318.0855713	151.9313355	-2.95175099	8.44175911	78.05072784	73.12706757
70.940625	315.6546021	150.0849609	-6.4140029	6.37914133	78.05072784	72.65932465
68.79425049	312.6343384	149.1248474	-7.73997211	3.99730825	79.35549927	71.6007309

	.008190		8.61	55.06	-12.90	84.16	-14.96	94.94	8.98	68.79	4.56	78.54
	.008200		10.16	56.39	-13.12	88.00	-20.26	93.68	5.45	68.13	3.16	77.88
	.008210		14.65	58.90	-7.37	88.00	-20.93	89.62	5.00	66.43	2.57	78.32
	.008220		21.21	60.30	-2.66	85.12	-17.02	86.45	8.32	66.80	3.02	78.69
	.008230		22.61	58.60	-4.43	83.27	-12.90	89.62	9.28	64.44	5.74	81.64
	.008240		20.18	59.64	-8.33	82.53	-17.02	92.87	10.60	62.15	5.59	82.31
	.008250		16.72	61.19	-8.55	82.31	-21.22	91.76	11.63	60.82	7.21	83.57
	.008260		17.23	62.74	-6.56	82.09	-22.40	88.96	12.30	60.97	7.66	82.68
	.008270		17.31	62.07	-4.57	81.79	-19.31	88.44	10.16	59.27	7.51	82.97
	.008280		15.98	62.44	-2.66	81.35	-19.31	86.08	7.80	58.45	6.11	84.30
	.008290		11.12	62.30	-1.70	80.17	-20.34	85.78	4.78	58.38	7.29	88.81
	.008300		9.50	63.18	-1.40	81.05	-20.48	89.84	4.71	61.70	4.78	90.58
	.008310		9.42	65.47	-4.57	79.58	-17.61	95.97	4.71	63.92	1.17	89.47
	.008320		11.93	70.27	-8.62	77.51	-15.84	95.83	4.84	63.92	-3.30	86.96
	.008330		14.14	72.41	-12.82	76.99	-15.77	92.50	2.35	62.74	1.39	86.08
	.008340		17.09	72.27	-14.89	80.24	-17.68	90.80	3.53	66.06	1.54	85.49
	.008350		17.75	70.42	-16.87	80.91	-18.35	92.58	5.00	70.64	2.35	86.89
	.008360		17.16	68.42	-15.84	79.72	-18.94	92.13	4.19	74.85	1.91	86.74
	.008370		14.29	64.81	-12.16	79.58	-17.39	90.51	-4.45	75.29	2.35	87.04
	.008380		11.41	61.26	-9.88	81.64	-16.14	88.81	-2.22	76.18	.73	86.22
	.008390		9.87	59.34	-11.57	82.24	-16.73	88.00	-2.22	75.66	.29	86.96
	.008400		12.22	61.04	-10.81	82.53	-18.42	86.89	-.15	75.88	-1.11	85.63
	.008410		13.40	62.89	-8.11	82.83	-17.39	88.44	2.28	75.37	-.74	85.19
	.008420		12.81	63.18	-8.55	84.16	-15.11	91.76	6.18	76.18	.29	85.34
	.008430		12.00	60.67	-12.23	83.42	-13.85	95.23	6.18	76.03	2.72	86.81
	.008440		14.36	61.26	-10.76	83.05	-15.99	96.86	4.41	75.29	3.53	86.81
	.008450		15.46	64.22	-6.49	83.64	-17.76	97.15	3.09	74.55	5.15	86.96
	.008460		14.95	66.14	-5.16	84.45	-19.08	96.56	6.18	76.18	6.04	85.63
	.008470		12.74	64.58	-7.59	82.38	-16.95	96.56	11.49	77.95	6.40	83.86
	.008480		14.14	66.58	-8.18	81.13	-15.77	94.87	16.57	78.40	4.12	80.76
	.008490		14.65	69.68	-9.29	83.12	-15.33	92.35	18.12	76.77	2.57	80.39
	.008500		15.39	71.23	-9.95	86.08	-15.47	90.80	17.67	77.36	.14	79.95
	.008510		15.46	69.39	-7.59	85.41	-14.96	92.72	16.20	77.88	.29	79.28
	.008520		15.32	68.79	-2.58	83.93	-15.77	91.98	17.53	79.06	2.06	77.58
	.008530		12.37	67.61	-.52	83.49	-14.08	91.98	18.85	79.36	5.15	78.10
	.008540		10.97	65.84	-.59	86.15	-12.23	92.87	20.40	81.13	3.24	78.17
	.008550		10.38	62.00	-2.95	86.67	-11.35	94.57	18.93	81.57	.07	79.65
	.008560		12.22	62.44	-3.54	86.37	-12.68	92.72	16.79	81.20	-2.29	79.28
	.008570		13.62	65.99	-.15	85.49	-11.20	91.76	12.81	77.88	-.30	79.28
	.008580		14.51	69.16	5.37	87.11	-8.48	92.35	12.52	76.92	3.09	79.87
	.008590		13.55	67.46	4.05	88.96	-7.00	94.20	14.73	77.51	6.70	82.61
	.008600		14.06	65.40	-1.92	90.51	-9.95	93.17	19.22	80.39	6.26	82.53
	.008610		14.95	64.66	-4.72	90.36	-11.57	92.28	19.15	79.95	4.86	84.01
	.008620		13.40	65.84	.29	89.18	-11.42	91.17	17.09	78.54	.44	85.41
	.008630		9.87	65.32	3.46	87.55	-9.73	90.88	15.61	76.18	-2.07	86.37
	.008640		10.31	65.25	1.76	88.44	-11.05	91.91	16.50	74.33	-1.04	84.97
	.008650		14.14	65.32	-.74	90.73	-12.53	94.50	12.08	71.53	4.27	84.45
	.008660		16.94	65.40	.88	93.61	-12.97	94.50	4.56	71.75	7.29	83.57
	.008670		13.62	63.03	1.76	92.13	-10.91	92.43	2.57	72.78	6.33	82.38
	.008680		9.42	63.18	.95	89.62	-8.26	90.66	9.79	74.11	5.59	80.46
	.008690		7.51	65.62	-.01	87.26	-6.34	89.99	15.54	74.33	8.61	80.54

5.59	70.64	.008190	315.65	150.08	-6.41	78.05	6.38	72.66	0.0132	14.65417004
3.38	68.79	.008200	312.63	149.12	-7.74	79.36	4.00	71.60	0.01321	21.21035004
.66	65.84	.008210	309.39	148.09	-4.55	78.84	2.75	70.20	0.01322	22.60998344
.44	66.87	.008220	306.30	148.46	.51	77.29	3.92	70.79	0.01323	20.17904091
1.62	68.94	.008230	304.46	147.20	1.76	77.16	5.54	71.67	0.01324	16.71678734
3.68	70.64	.008240	308.14	147.94	-1.72	78.35	6.62	71.70	0.01325	17.23244286
4.71	69.16	.008250	309.76	147.57	-4.35	78.42	7.85	71.18	0.01326	17.30610847
8.02	68.57	.008260	310.06	148.09	-3.91	77.93	9.33	70.74	0.01327	15.98013878
9.42	67.17	.008270	307.26	144.84	-2.19	77.44	9.03	69.80	0.01328	11.11825275
9.72	68.06	.008280	307.99	143.07	-1.99	76.52	7.88	70.27	0.01329	9.49762344
5.89	68.06	.008290	309.98	143.36	-3.64	76.08	5.99	71.75	0.0133	9.42395878
2.79	69.53	.008300	311.60	145.58	-4.13	78.03	4.10	73.94	0.01331	11.92856693
1.69	71.08	.008310	309.25	146.76	-4.25	80.34	2.52	74.83	0.01332	14.13851547
5.15	73.96	.008320	306.00	145.80	-4.18	81.20	3.16	74.95	0.01333	17.08511353
8.17	73.96	.008330	303.94	142.85	-4.82	80.54	3.97	74.26	0.01334	17.74809647
8.98	72.93	.008340	304.38	142.18	-5.16	81.10	4.68	74.83	0.01335	17.15877724
7.66	72.34	.008350	302.47	142.03	-5.82	81.30	5.00	76.62	0.01336	14.2858448
8.10	72.71	.008360	303.79	141.59	-5.87	80.09	4.73	78.10	0.01337	11.41291237
9.13	71.31	.008370	309.69	140.34	-5.09	78.30	3.68	77.88	0.01338	9.86594868
11.34	70.71	.008380	316.46	140.85	-4.87	77.24	3.29	77.71	0.01339	12.22322655
11.19	71.53	.008390	315.14	142.03	-6.14	76.52	3.09	78.05	0.0134	13.40186596
10.09	73.96	.008400	309.25	142.77	-5.60	76.82	2.94	78.49	0.01341	12.81254578
8.69	73.45	.008410	309.39	143.73	-4.03	78.05	3.41	78.00	0.01342	12.0022316
9.64	71.45	.008420	317.13	144.55	-3.61	79.70	5.37	77.66	0.01343	14.35951042
13.25	68.20	.008430	320.30	143.36	-4.70	79.77	7.39	77.02	0.01344	15.46448421
18.71	68.94	.008440	316.76	142.18	-4.13	80.39	8.88	77.02	0.01345	14.94882965
17.16	70.12	.008450	315.73	140.41	-2.93	81.67	8.47	77.21	0.01346	12.73888111
9.72	71.31	.008460	321.55	142.03	-3.10	82.38	7.31	77.71	0.01347	14.13851547
2.94	71.75	.008470	317.79	142.92	-3.93	81.18	6.94	77.85	0.01348	14.65417004
5.08	73.00	.008480	308.15	142.40	-3.27	80.86	8.59	77.39	0.01349	15.39081955
8.39	71.60	.008490	300.33	137.01	-3.32	81.72	9.69	76.25	0.0135	15.46448421
10.46	72.19	.008500	307.26	132.95	-3.34	82.70	9.42	76.50	0.01351	15.31715393
10.75	73.96	.008510	312.19	135.02	-2.36	82.51	9.08	77.04	0.01352	12.37055683
13.11	75.22	.008520	308.14	139.08	-1.01	81.57	10.90	77.29	0.01353	10.97092247
13.40	71.75	.008530	301.66	137.68	-.74	81.03	12.47	76.40	0.01354	10.38160324
14.73	69.24	.008540	303.35	136.27	-.62	81.62	12.79	76.18	0.01355	12.22322655
15.46	67.91	.008550	308.36	137.38	-1.31	81.08	11.49	76.38	0.01356	13.62286091
15.91	67.91	.008560	311.31	138.56	-1.33	80.51	10.14	76.13	0.01357	14.50683975
13.55	66.73	.008570	309.61	133.25	.76	81.08	8.69	74.63	0.01358	13.54919529
12.30	69.16	.008580	309.84	128.96	3.80	82.88	9.30	75.32	0.01359	14.06484985
11.19	71.60	.008590	309.69	128.15	3.53	83.54	10.67	77.24	0.0136	14.94882965
11.34	71.60	.008600	309.32	130.81	.73	83.02	12.27	78.17	0.01361	13.40186596
9.94	70.12	.008610	307.11	131.03	-.45	82.43	11.31	78.03	0.01362	9.86594868
9.50	71.16	.008620	306.00	130.44	.76	82.06	9.01	78.37	0.01363	10.30793858
10.53	71.82	.008630	305.86	130.96	1.20	81.25	8.02	78.12	0.01364	14.13851547
14.43	71.90	.008640	307.40	132.29	.34	81.87	9.96	77.07	0.01365	16.93778229
17.01	67.83	.008650	309.39	134.35	.29	83.52	11.12	74.60	0.01366	13.62286091
17.23	64.29	.008660	312.86	141.59	1.62	84.50	9.69	73.20	0.01367	9.42395878
13.92	63.48	.008670	313.52	142.33	1.49	82.53	7.61	72.88	0.01368	7.50867033
11.12	64.66	.008680	314.77	135.09	.71	81.15	8.83	73.08	0.01369	10.38160324
9.42	62.30	.008690	312.19	125.20	.39	80.96	11.19	72.39	0.0137	13.03354073

-7.37164736	-20.92599678	5.00406265	2.5731194	0.65783101
-2.65709138	-17.02175522	8.31898499	3.01510906	0.43683618
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-12.82285309	-15.76945114	2.35212469	1.39448035	8.1716547
-14.88547134	-17.68474007	3.53076363	1.54181027	8.98196888
-16.87442589	-18.34772301	5.00406265	2.35212469	7.65600061
-15.84311581	-18.93704414	4.193748	1.91013503	8.09799004
-12.15986919	-17.3900795	-0.44714311	2.35212469	9.12929916
-9.87525599	-16.13777542	-2.21510172	0.73149592	11.3392477
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-10.61290455	-18.42138863	-0.15248336	-1.11012757	10.08694363
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-8.55028629	-15.10646629	6.18270159	0.28950629	9.64495373
-12.23353386	-13.85416222	6.18270159	2.72044945	13.25453568
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-9.28693581	-15.32746124	18.11642265	2.5731194	8.39264965
-9.94992065	-15.47479153	17.67443275	0.1421764	10.45526791
-7.59264231	-14.95913601	16.20113373	0.28950629	10.74992752
-2.58342648	-15.76945114	17.52710152	2.05746484	13.10720634
-0.52080804	-14.07515717	18.85307121	5.15139246	13.40186596
-0.594473	-12.23353386	20.40003586	3.23610401	14.7278347
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-3.5410707	-12.67552376	16.79045296	-2.28876662	15.90647411
-0.15248336	-11.20222473	12.81254578	-0.29981324	13.54919529
5.37238741	-8.47662163	12.51788616	3.08877397	12.29689121
4.04641819	-7.00332308	14.7278347	6.69835615	11.19191742
-1.92044199	-9.94992065	19.22139549	6.25636673	11.3392477
-4.71970987	-11.57054901	19.14773178	4.85673285	9.93961334
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3.45709872	-9.7289257	15.61181355	-2.06777191	10.52893353
1.7628051	-11.05489445	16.49579239	-1.03646266	14.43317509
-0.74180287	-12.52819347	12.07589722	4.26741314	17.01144791
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1.7628051	-10.90756512	2.5731194	6.33003139	13.91752052
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58.89770126	87.99651337	89.62132263	66.43090057	78.32152557
60.30094528	85.11617279	86.44556427	66.8001709	78.69080353
58.60228346	83.26980591	89.62132263	64.43681335	81.64499664
59.63624954	82.53125763	92.87093353	62.14731598	82.30969238
61.18720245	82.30969238	91.7631073	60.81792831	83.58522369
62.73315536	82.08812714	86.95662689	60.96563721	82.67896271
62.07345963	81.79270172	88.43964386	59.2669754	82.97438049
62.44273376	81.34957886	86.07628632	58.45457458	84.30377197
62.29502487	80.16790009	85.78096853	58.38071823	88.80891418
63.18128204	81.05415344	89.84288025	61.70418549	90.58143616
65.47078705	79.57705688	95.97283936	63.91983032	89.47360992
70.27134705	77.50912476	95.82512665	63.91983032	86.9625473
72.41313934	76.99214172	92.50165558	62.73815536	86.07628632
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66.57860565	81.12801361	94.86501312	78.39538574	80.75873566
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69.38509369	85.41159058	92.72322083	77.87839508	79.2816391
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61.99960709	86.66712189	94.56959534	81.5711441	79.65091705
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69.16352844	87.11025238	92.3539505	76.91828918	79.8724823
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73.96408844	303.9418945	142.8471832	-4.81792974	3.97275329	80.63564301	74.25950623
72.93012236	304.3838806	142.1824951	-5.1616993	4.68484763	81.10339355	74.82572937
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71.45302582	317.1278992	144.5458527	-3.6147356	5.37238741	79.70014954	77.65682983
68.20341492	320.2955017	143.3641663	-4.69515467	7.38588573	79.7740097	77.01676178
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72.1915741	307.2568054	132.9506378	-3.34463096	9.42395878	82.70358276	76.49977112
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71.7484436	301.6582642	137.6773377	-0.74180281	12.4687767	81.02953339	76.40129852
69.23738098	303.3525696	136.2741089	-0.61902815	12.78799152	81.62037659	76.17974091
67.90799713	308.3617859	137.3819275	-1.30656731	11.49657703	81.0787735	76.3766861
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66.72631836	309.6140747	133.246048	0.75605094	8.68730927	81.0787735	74.62878418
69.16352844	309.835083	128.9624786	3.80086851	9.3011837	82.8759079	75.31809998
71.60073853	309.6877441	128.1500702	3.53076339	10.8727026	83.54060364	77.23832703
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67.83413696	309.3930969	134.3538818	0.28950638	11.11825275	83.51598358	74.60416412
64.28910828	312.8553467	141.5916443	1.61547494	9.69406414	84.50071716	73.20092773
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62.29502487	312.1923523	125.1958771	0.38772622	11.19191742	80.95568085	72.38851929
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.008760	10.01	65.54	6.77	82.90	-7.67	94.20	13.25	73.52	12.22	77.66
.008770	11.78	65.25	4.19	78.84	-8.11	91.25	10.09	72.12	15.02	81.20
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.008880	14.36	66.36	3.16	70.86	-6.49	83.42	14.14	68.20	18.93	72.86
.008890	14.29	65.25	2.20	67.69	-8.48	80.91	13.40	67.69	17.67	73.89
.008900	15.69	63.18	2.94	66.43	-8.33	80.68	12.30	68.28	17.38	76.48
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.008920	16.79	62.22	2.28	68.06	-6.93	81.20	12.67	68.42	22.39	78.47
.008930	16.13	62.37	1.10	67.02	-7.59	79.58	13.40	66.43	23.64	78.69
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.009030	9.87	66.36	3.83	74.70	-.15	81.64	17.82	71.90	24.38	78.10
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.009060	11.56	65.10	5.37	70.35	-5.24	79.72	19.81	72.27	18.12	75.44
.009070	14.88	62.44	5.15	73.15	.58	79.43	20.47	69.39	18.56	77.88
.009080	15.24	61.93	3.31	75.00	3.09	77.58	23.13	68.65	16.79	78.47
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.009150	15.32	61.63	6.04	75.59	.66	76.62	18.26	68.06	23.86	76.03
.009160	23.13	62.74	11.78	75.88	.95	76.62	15.83	69.68	19.74	72.19
.009170	26.66	62.30	12.96	72.63	1.47	77.73	15.46	69.61	17.82	70.49
.009180	20.62	60.82	11.27	70.71	.81	77.95	17.09	68.06	19.59	70.79
.009190	11.71	58.90	8.76	72.93	1.91	77.73	17.23	65.69	23.57	70.27
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14.21	60.08	.008700	306.96	121.36	1.25	79.87	13.08	71.60	0.01371	14.80149937
19.15	58.90	.008710	301.14	121.28	1.76	78.62	13.89	71.58	0.01372	13.77019024
21.43	59.86	.008720	302.62	118.11	2.43	79.70	14.52	71.75	0.01373	11.19191742
17.09	60.23	.008730	311.09	113.08	3.11	81.67	14.83	71.13	0.01374	8.46631432
13.84	62.00	.008740	315.73	114.56	4.00	83.02	14.02	70.94	0.01375	10.01327896
12.00	61.26	.008750	311.01	120.62	3.65	82.56	12.81	70.42	0.01376	11.78123665
14.43	59.86	.008760	306.45	123.87	3.04	80.88	13.30	70.35	0.01377	11.70757198
17.09	58.90	.008770	306.00	119.58	2.62	78.44	14.06	70.74	0.01378	8.1716547
19.00	60.52	.008780	308.80	118.33	2.89	77.76	15.22	71.99	0.01379	5.00406265
18.12	59.71	.008790	307.40	118.55	2.72	79.18	15.46	71.53	0.0138	5.96170664
19.81	58.45	.008800	306.30	118.11	1.22	79.31	15.69	70.37	0.01381	11.26558208
25.19	56.53	.008810	307.33	115.15	.88	77.51	17.55	69.19	0.01382	14.80149937
29.24	54.61	.008820	309.54	114.19	2.99	76.52	20.08	68.70	0.01383	15.39081955
25.85	53.73	.008830	309.17	113.90	5.57	76.89	19.59	68.45	0.01384	14.2858448
21.73	56.83	.008840	308.73	113.45	6.08	75.47	18.07	69.53	0.01385	15.02249432
20.47	57.72	.008850	311.75	112.71	4.95	71.75	17.82	69.93	0.01386	14.21218014
22.98	57.05	.008860	314.77	113.45	4.91	70.81	19.39	69.02	0.01387	14.35951042
22.98	57.42	.008870	310.50	112.64	4.59	72.66	19.52	67.19	0.01388	14.2858448
22.76	60.45	.008880	307.63	112.49	3.68	73.55	18.61	67.17	0.01389	15.68547916
21.51	58.01	.008890	309.25	109.54	2.67	71.28	17.53	66.53	0.0139	15.90647411
22.39	54.10	.008900	312.71	105.85	3.43	70.10	17.36	66.28	0.01391	16.79045296
22.54	51.73	.008910	311.31	99.20	4.39	70.49	17.82	66.21	0.01392	16.12746811
22.98	51.73	.008920	309.69	96.32	4.05	70.49	19.34	66.21	0.01393	16.34846306
22.98	50.77	.008930	310.50	100.45	3.21	69.66	20.01	65.30	0.01394	15.09615898
24.01	54.98	.008940	311.90	104.74	3.33	70.15	19.66	66.65	0.01395	13.25453568
21.80	58.60	.008950	309.91	102.89	3.97	72.17	18.31	68.57	0.01396	10.8972578
20.99	60.23	.008960	306.45	85.02	3.63	72.41	17.16	69.29	0.01397	10.8972578
20.69	57.27	.008970	304.38	31.99	1.84	69.56	17.43	68.15	0.01398	9.12929916
22.02	56.61	.008980	306.45	-30.49	1.49	68.47	19.66	68.10	0.01399	8.6136446
20.99	60.60	.008990	307.40	-21.55	1.96	69.21	20.20	69.78	0.014	10.01327896
20.25	72.63	.009000	310.20	58.36	3.02	69.39	18.71	75.00	0.01401	12.07589722
20.33	78.69	.009010	311.90	104.37	4.37	69.83	17.58	78.00	0.01402	9.86594868
22.46	68.65	.009020	313.22	90.04	5.45	72.07	19.69	74.41	0.01403	6.77202129
24.82	54.02	.009030	313.08	76.89	4.51	74.23	22.34	68.01	0.01404	7.06668091
25.41	52.03	.009040	312.71	90.04	2.82	74.46	22.56	66.31	0.01405	11.56024265
22.83	56.98	.009050	312.27	99.86	1.98	72.91	20.47	68.01	0.01406	14.87516499
22.09	60.01	.009060	313.37	93.81	3.90	71.72	20.01	69.24	0.01407	15.24348927
22.24	58.09	.009070	312.05	88.86	6.87	71.67	20.42	68.45	0.01408	13.25453568
21.80	56.53	.009080	312.63	94.47	7.21	71.50	20.57	67.88	0.01409	12.07589722
20.11	57.42	.009090	313.96	97.20	4.68	70.47	18.93	68.40	0.0141	10.97092247
21.73	60.82	.009100	316.02	93.88	2.79	70.07	18.24	70.32	0.01411	11.56024265
22.68	60.60	.009110	312.27	86.50	3.80	71.50	18.04	70.20	0.01412	12.14956188
22.61	61.41	.009120	308.29	82.95	5.69	73.30	19.27	69.85	0.01413	12.81254578
19.22	62.15	.009130	307.04	81.70	5.54	72.76	20.08	69.41	0.01414	15.31715393
17.90	61.85	.009140	309.76	84.50	5.00	71.31	20.94	69.31	0.01415	23.12563705
18.85	57.64	.009150	310.79	90.04	7.34	71.28	20.33	67.24	0.01416	26.66155434
23.27	57.27	.009160	307.40	91.37	11.95	71.75	19.61	66.38	0.01417	20.62103081
24.45	56.98	.009170	304.75	86.94	13.70	70.89	19.25	65.69	0.01418	11.70757198
23.71	56.24	.009180	307.48	87.60	10.90	69.83	20.13	65.03	0.01419	9.86594868
20.77	54.17	.009190	311.75	93.88	7.46	69.85	20.52	63.38	0.0142	9.93961334
19.81	53.58	.009200	315.21	99.64	5.54	70.17	21.04	61.90	0.01421	9.42395878

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3.08877397	-7.51897764	17.08511353	10.30793858	17.08511353
6.77202129	-5.97201347	17.23244286	10.97092247	13.84385586
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4.193746	-8.10829735	10.08694363	15.02249432	17.08511353
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7.50867033	-8.84494591	11.63390732	15.61181355	19.81071472
7.36134052	-10.68657017	11.11825275	16.34846306	25.18825722
7.14034557	-9.43426609	14.2058448	16.71678734	29.23982811
6.03537178	-4.13039017	16.34846306	16.56945801	25.85124016
4.70940256	-1.84677696	16.27479935	16.20113373	21.72600365
2.4994545	-1.92044199	13.54919529	19.44239044	20.47369957
3.08877397	-3.39374065	12.66521645	22.53631783	22.97830772
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3.16243887	-6.48766804	14.13851547	18.92673683	22.75731277
2.20479465	-8.47662163	13.40186596	17.67443275	21.5050087
2.94144416	-8.32929134	12.29689121	17.37977219	22.38898849
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4.48840809	-7.66630745	11.92856693	21.21035004	21.79966927
4.48840809	-6.85599279	12.51788616	17.96909142	20.98935509
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5.07772732	-1.99410689	17.67443275	14.7278347	20.32637024
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3.82542348	-0.15248336	17.82176208	24.37794113	24.81993103
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3.60442853	-4.71970987	19.00040054	19.58972168	22.83097839
5.37238741	-5.23536444	19.81071472	18.11642265	22.09432793
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12.95987606	1.46814537	15.46448421	17.82176208	24.45160675
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8.76097488	1.91013503	17.23244286	23.56762695	20.76836014
6.18270159	0.58416605	18.70574188	24.59893608	19.81071472
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67.39100647	77.80454254	84.37762451	69.08966827	82.39354492
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	009210	9.94	61.41	1.84	75.29	.58	74.85	19.81	65.10	23.57	65.54
	009220	9.42	63.99	3.83	75.74	1.03	76.11	21.80	65.69	21.87	67.24
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	009250	7.95	62.15	12.08	76.48	4.19	71.90	20.62	68.20	21.28	76.70
	009260	8.83	62.15	7.66	75.15	3.53	70.71	21.21	69.53	19.52	77.51
	009270	10.97	61.70	7.14	78.47	5.23	72.41	22.39	69.31	20.92	80.32
	009280	12.44	62.44	9.87	81.05	5.89	73.37	25.19	70.79	20.40	78.76
	009290	10.23	62.52	11.19	78.76	6.77	74.33	23.94	71.67	19.96	75.59
	009300	7.95	62.00	12.30	78.40	4.86	72.71	22.24	72.63	21.06	74.26
	009310	8.10	61.19	14.58	81.72	5.15	71.82	19.81	71.31	22.98	77.66
	009320	10.01	60.89	18.41	84.89	5.30	69.75	20.92	70.42	20.47	80.17
	009330	10.31	59.78	19.44	82.83	6.18	68.65	23.49	68.65	17.38	81.35
	009340	8.69	58.90	17.23	78.54	6.26	65.99	26.74	69.83	16.20	80.46
	009350	3.46	58.16	15.24	75.74	9.28	63.99	25.63	71.08	17.97	79.72
	009360	-3.03	57.64	16.20	76.48	11.49	62.89	22.54	71.23	18.71	77.36
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	009390	1.25	60.82	15.32	78.10	10.97	65.91	21.43	73.96	19.30	80.02
	009400	5.15	60.60	13.99	75.52	9.35	63.40	22.39	73.74	17.90	79.87
	009410	5.15	59.05	13.55	71.97	7.51	64.29	21.95	71.53	15.54	77.58
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	009570	8.39	56.83	6.55	72.71	8.25	69.83	20.84	66.43	7.66	75.96
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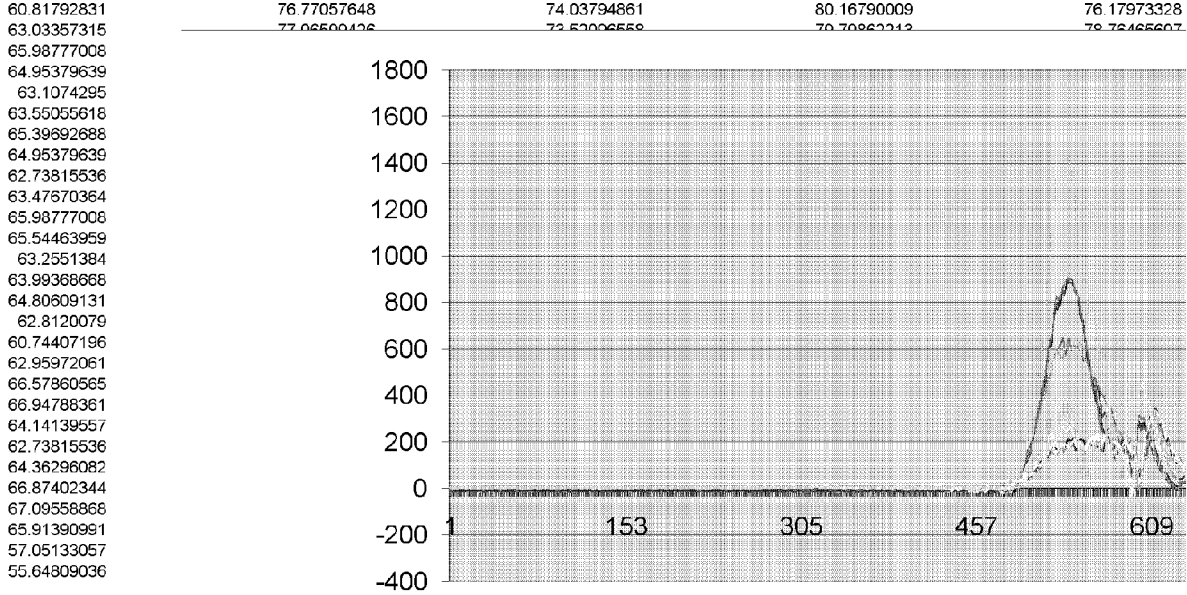
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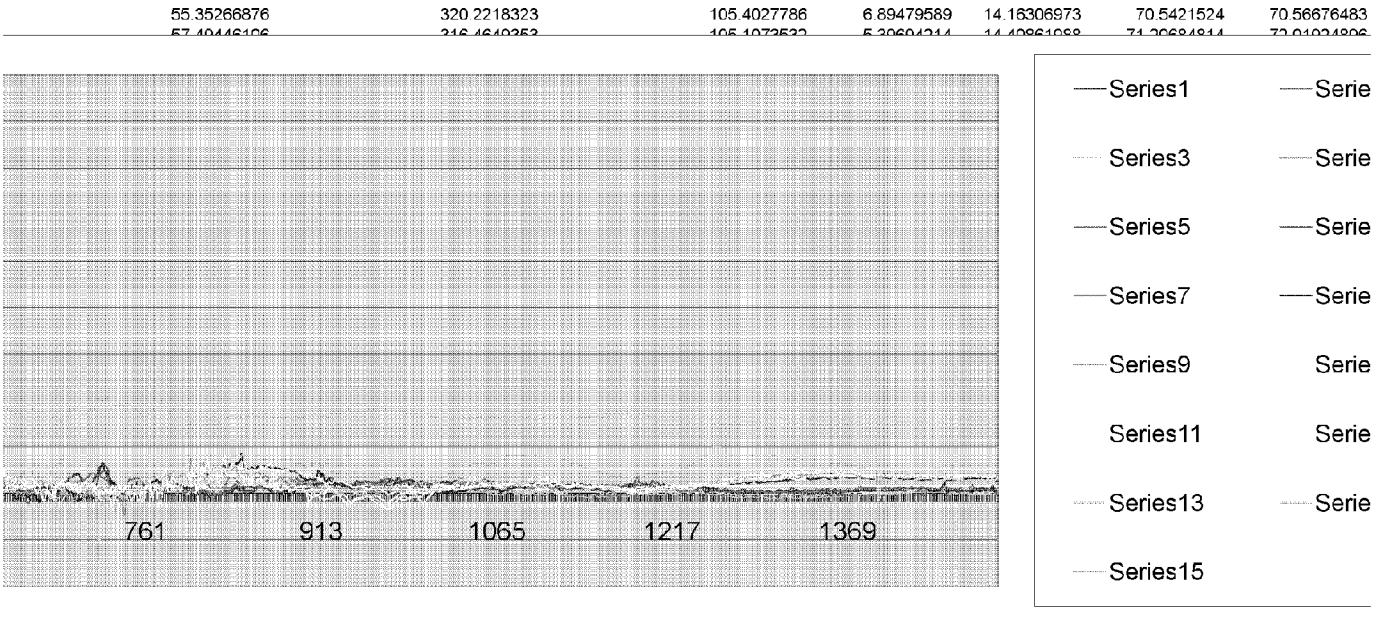
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	009760		15.61	65.99	2.72	76.62	-30	69.83	14.58	80.46	14.73	80.76
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	009980		21.80	67.10	5.59	69.90	-5.01	68.72	23.27	75.81	11.93	79.95
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s2	s4	s6	s8	s10	s12	s14
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