

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 autofire level 50 and then after every 10 rounds until the end of the test.
- Hi-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 (Gus: 3003784 / A9: 71378062

TLW Form 2305

Test Lab Work Request Form

TLW #:

2305

Requested Completion Date:

7/6/2007

- 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:
 - 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/Tlw2305

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Test Lab Work Request Form

○ 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: ○ 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: Etownadc1/HighSpeedVideo/TLw2305	m
Supplies Availability:	
Results Required:	Formal Report
*****This section to be completed by Test Lab Manager*****	
Assigned To:	Sims, Jonathan Start Date:
Assigned Date:	6/28/2007 Completion Date:
Comments:	

Test Lab Work Request Form

	Data Only
	Formal Report

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 wear every 1000 cycles.
- High Pressure Abuse (A9)
 - Perform standard high pressure abuse test.
 - See S. Franz / J. Urban for details.

Request Form

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Cont'd Procedure 2305

Test Lab Work Request Form

Engineer: James Urbon

Project #: 241230

Date Submitted: 8/29/2007

Test Description:

T&P follow up
testing on 270
Win and 7mm
Rem Mag
M770
Stainless Steel
Rifles.

Test Procedure:

- Any questions should be directed to James Urbon. If any clarification required, please ask don't assume.
- Record all test progress and data on a Daily Log Sheet and in this TL
- Label rifles (All)
 - Label with the standard information; serial number, model number, TLW number, and Test ID number
 - Label the 7mm Rem Mag rifles with ID #'s D1, D2, etc.
 - Label the 270 Win. rifles with ID #'s E1, E2, 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 Spring Scale.
 - Perform a safety function test on all of the rifles.
- 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.
- Accuracy (D1-5, E1-5)
 - Clean and inspect each rifle prior to testing.
 - Shoot at a minimum five shots to sight in and foul the rifle. If additional shots if required to sight in the rifle. Record the ex 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 gr Number the shots in each group 1 – 5 in the order in which th were fired.
 - Measure and record the three shot group size in each group us shots 1 – 3.
 - Measure and record the five shot group size in each group us all five shots fired.
 - All groups are to be measured center to center

Test Lab Work Request Form

TLW #: 2359

Requested Completion Date: 9/21/2007

ons should be directed to James Urban. If any clarification is
lease ask don't assume.
test progress and data on a Daily Log Sheet and in this TLW.
s (All)
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nber, TLW number, and Test ID number
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ce gauges.
e one standard proof cartridge per rifle in controlled
ronment via lanyard.
asure and record headspace using chamber shoulder head
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D1-5, E1-5)
an and inspect each rifle prior to testing.
ect at a minimum five shoot to sight in and foul the rifle. Fire
litional shots if required to sight in the rifle. Record the exact
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e 3 five shot groups for each rifle at 100 yards.
ep track of and mark the placement of each shot in each group.
nber the shots in each group 1 – 5 in the order in which they
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ts 1 – 3.
asure and record the five shot group size in each group using
five shots fired.
asure and record the three shot group size in each group using
ts 1 – 3.

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Test Lab Work Request Form

- Clean and inspect each rifle prior to testing.
- Shoot at a minimum five shots to sight in and foul the rifle. If additional shots are 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.

Test Lab Work Request Form

can and inspect each rifle prior to testing.
shoot at a minimum five shot to sight in and foul the rifle. Fire
ditional shots if required to sight in the rifle. Record the exact
nber of rounds fired.
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asure and record the five shot group size in each group using
five shots fired.
groups are to be measured center to center.
can and inspect each rifle after completion of testing.

Test Lab Work Request Form

Special Requirements:

Supplies Availability:

Results Required:

- o Check at a minimum five shots to sight in and zero the rifle. 1 additional shots if required to sight in the rifle. Record the ex number of rounds fired.
- o Fire 3 five shot groups for each rifle at 100 yards.
- o Keep track of and mark the placement of each shot in each gr Number the shots in each group 1 – 5 in the order in which th were fired.
- o Measure and record the three shot group size in each group us shots 1 – 3.
- o Measure and record the five shot group size in each group usi all five shots fired.
- o All groups are to be measured center to center.
- o Clean and inspect each rifle after completion of testing.

Formal Report

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

Assigned To:

Lee, Bob

Start Date:

Assigned Date:

8/30/2007

Completion Date:

Comments:

Test Lab Work Request Form

Set up a minimum five shots to sight in the rifle. Take 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 are 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 five shots fired.

Groups are to be measured center to center.

Clean and inspect each rifle after completion of testing.

	Data Only
	Formal Report
9/4/2007	
9/10/2007	

Test Lab Work Request Form

- Endurance (D1-5, E1-5)
 - In each series, the guns are to be fired to the following round levels.
 - Gun 1 to 1000 RL.
 - Gun 2 to 500 RL.
 - Guns 3, 4, & 5 to 100 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.

Request Form

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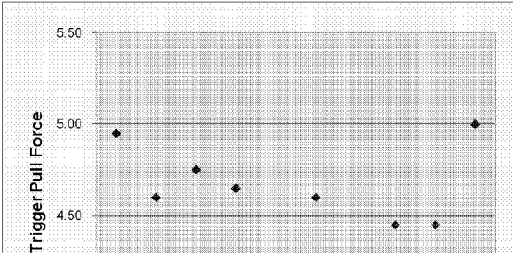
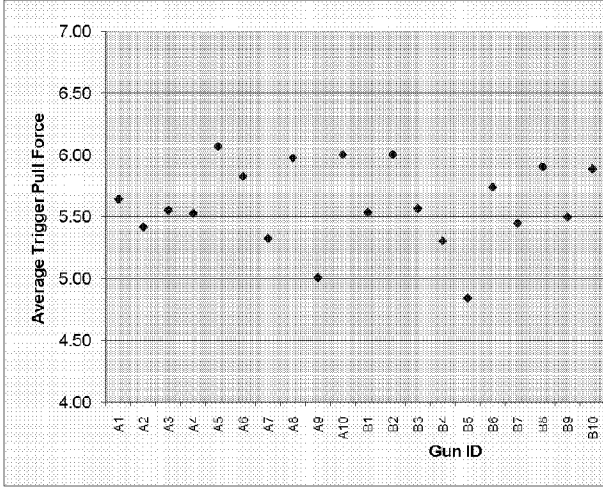
Cont'd Procedure 2359

Model 770 Stainless Steel Trial and Pilot Testing Summary												
	TLW 2305											
Caliber	300 Win Mag											
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 Dimens ons	●	●	●								●	●
HS - Proof - HS	●	●	●	●	●	●		●	●	●	●	●
Extended Proof						●						
Accuracy	●	●	●	●	●	●					●	●
Endurance to 100 RL	●	●	●	●	●	●					●	●
Endurance to 500 RL	●	●	●	●	●	●					●	●
Endurance to 1000 RL	●	●	●	●		●					●	●
Endurance to 2000 RL	●	●									●	●
Hot Function												●
Cold Function												●
Thermal Cycle												●
Metallurgical Evaluation of Barrel	●									●		
Dry Cycle												●
High Pressure Abuse												
Final Round Level	2021	2021	1021	1021	521	521	101	1	1 +	1	2021	2021
LEGEND	○	= Planned		○ = In-Progress		● = Completed & Passed						

SUBJECT TO PROTECTIVE ORDER - KINZER V. REMINGTON

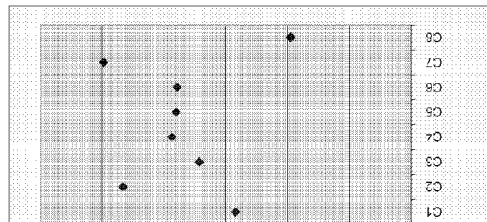
Gun ID	Serial #	Cal	Visual Inspection	Safety Fcn Check	Hole Depth			
A1	71378664	300 Win Mag	OK	OK	0.136			
A2	71378765	300 Win Mag	OK	OK	0.138			
A3	71378948	300 Win Mag	OK	OK	0.137			
A4	71378961	300 Win Mag	OK	OK	0.139	Max hole depth per Print	0.145	
A5	71378967	300 Win Mag	OK	OK	0.138	Average measured hole depth	0.1384	
A6	71378751	300 Win Mag	OK	OK	0.135	Max measured hole depth	0.142	
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	71378663	30-06	OK	OK	0.222			
B2	71378643	30-06	OK	OK	0.222	Max hole depth per Print	0.227	
B3	71378645	30-06	OK	OK	0.22	Average measured hole depth	0.2222	
B4	71378739	30-06	OK	OK	0.223	Max measured hole depth	0.227	
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	Max hole depth per Print	0.227	
C3	71378778	243 Youth	OK	OK	0.217	Average measured hole depth	0.217875	0.220277778
C4	71378875	243 Youth	OK	OK	0.222	Max measured hole depth	0.222	0.227
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			

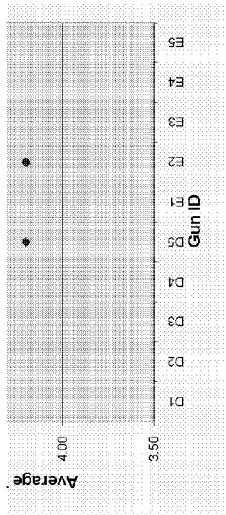
Gun ID	Serial #	Cal	Visual Inspection	Safety Fcn Check
D1	71380501	7mm Rem Mag	GOOD	GOOD
D2	71384667	7mm Rem Mag	GOOD	GOOD
D3	71384729	7mm Rem Mag	GOOD	GOOD
D4	71385284	7mm Rem Mag	GOOD	GOOD
D5	71385225	7mm Rem Mag	GOOD	GOOD
E1	71390508	270 Win	GOOD	GOOD
E2	71384790	270 Win	GOOD	GOOD
E3	71384941	270 Win	GOOD	GOOD
E4	71385409	270 Win	GOOD	GOOD
E5	71386441	270 Win	GOOD	GOOD



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 Average
						0.39

D1	5	5	5	4.75	5	4.95
D2	4.5	4.5	4.75	4.5	4.75	4.60
D3	4.76	4.75	4.5	5	4.75	4.75
D4	4.5	4.75	4.75	4.75	4.5	4.65
D5	4	4.25	4	4.5	4.25	4.20
E1	4.75	4.75	4.5	4.5	4.5	4.60
E2	4.25	4.25	4.25	4.25	4	4.20
E3	4.25	4.5	4.25	4.5	4.75	4.45
E4	4	4.75	4.25	4.5	4.75	4.45
E5	5	5	5	5	5	5.00
						4.54 Average
						0.27





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

	A-1	A-2	A-3
A	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"

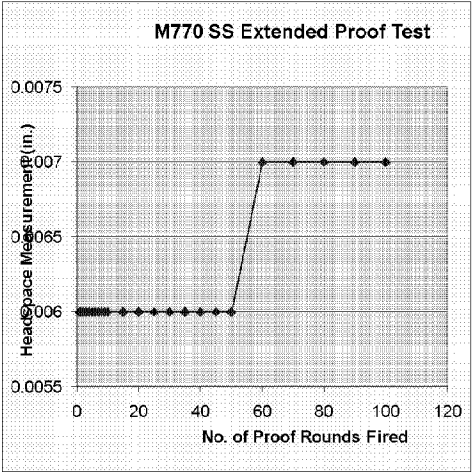
C-1	C-2	C-3
0.457	0.4571	0.4577
0.4638	0.472	0.4736
0.2789	0.2783	0.2794
0.2413	0.2447	0.2444
0.2435	0.244	0.2433
0.237	0.237	0.237

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

Gun ID	Cal	Head Space before Proof	Head Space after Proof	Head Space Growth	Condition of Proof Case
A1	300 Win Mag	0.005	0.005	0.000	O.K.
A2	300 Win Mag	0.005	0.006	0.001	O.K.
A3	300 Win Mag	0.005	0.006	0.001	O.K.
A4	300 Win Mag	0.005	0.006	0.001	O.K.
A5	300 Win Mag	0.005	0.005	0.000	O.K.
A6	300 Win Mag	0.005	0.005	0.000	O.K.
A7	300 Win Mag	0.005	0.006	0.001	O.K.
A8	300 Win Mag	0.006	0.006	0.000	O.K.
A9	300 Win Mag	0.005	0.005	0.000	O.K.
A10	300 Win Mag	0.005	0.006	0.001	O.K.
B1	30-06	0.003	0.004	0.001	O.K.
B2	30-06	0.003	0.003	0.000	O.K.
B3	30-06	0.003	0.004	0.001	O.K.
B4	30-06	0.004	0.004	0.000	O.K.
B5	30-06	0.004	0.004	0.000	O.K.
B6	30-06	0.002	0.002	0.000	O.K.
B7	30-06	0.002	0.002	0.000	O.K.
B8	30-06	0.002	0.002	0.000	O.K.
B9	30-06	0.002	0.002	0.000	O.K.
B10	30-06	Min.	0.002	0.002	O.K.
C1	243 Youth	0.003	0.003	0.000	O.K.
C2	243 Youth	0.003	0.003	0.000	O.K.
C3	243 Youth	0.003	0.003	0.000	O.K.
C4	243 Youth	0.003	0.003	0.000	O.K.
C5	243 Youth	0.003	0.003	0.000	O.K.
C6	243 Youth	0.004	0.004	0.000	O.K.
C7	243 Youth	Out of test	Out of test	Out of test	Out of test
C8	243 Youth	0.003	0.003	0.000	O.K.
D1	7mm Rem Mag	0.002	0.002	0.000	O.K.
D2	7mm Rem Mag	0.002	0.003	0.001	O.K.
D3	7mm Rem Mag	0.003	0.004	0.001	O.K.
D4	7mm Rem Mag	0.002	0.002	0.000	O.K.
D5	7mm Rem Mag	0.002	0.003	0.001	O.K.
E1	270 Win	0.002	0.002	0.000	O.K.
E2	270 Win	0.001	0.002	0.001	O.K.
E3	270 Win	0.003	0.003	0.000	O.K.
E4	270 Win	0.002	0.004	0.002	O.K.
E5	270 Win	0.003	0.003	0.000	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



TLW 2305
Guns A1-6, B1-6, C1-6
Shooter: J. Sims
Ammo type. R300W2, R30065, R243W3
Note: Accuracy was shot at 100yds. From bench, utilizing standard 3 X 9 Bushnell scope provided with firearm.
Data recorded with Oehler Accoustic target
*A1 was not recorded with Oehler, measured grps. From paper target.
C1 group 1 was a four shot group.

TLW 2359
Guns D3-5, E3-5
Shooter: PKR
Ammo type.

270 Win 130 PSP CL R270W2 C20-VAI
7mm Rem Mag 150 PSP CL R7mmm2 C13-VB1

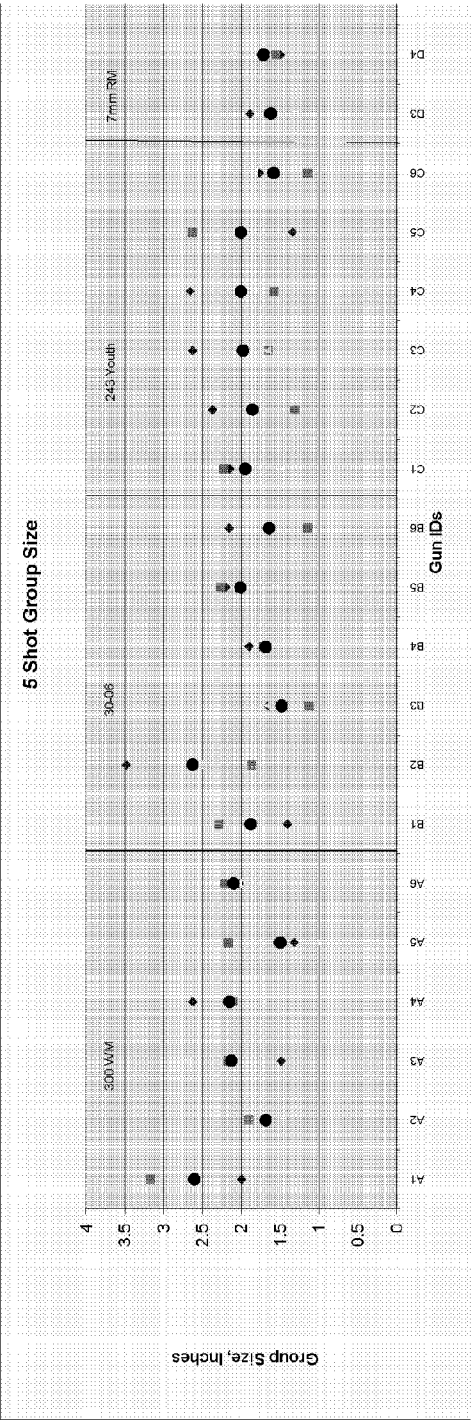
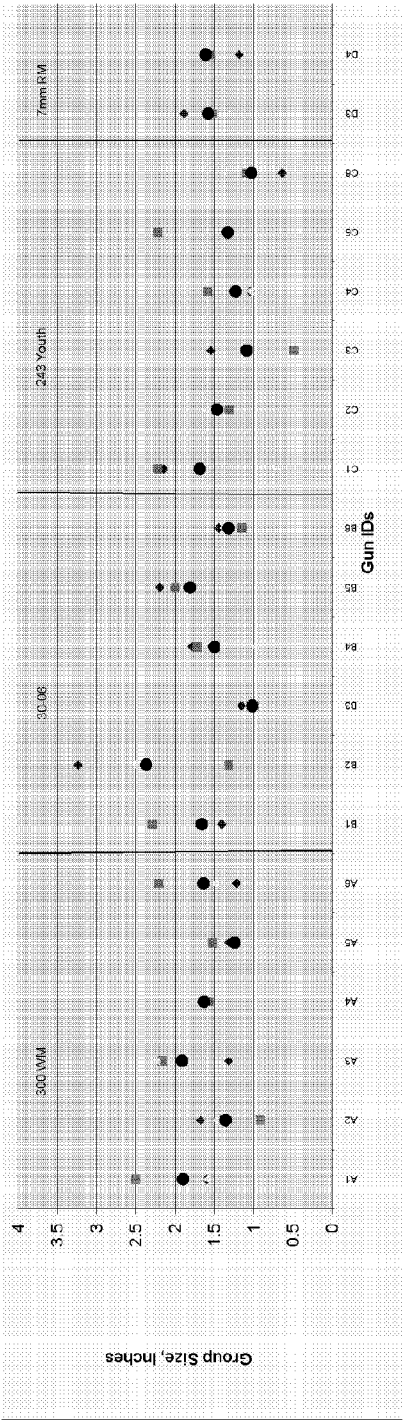
Note: Accuracy was shot at 100yds. From bench, utilizing standard 3 X 9 Bushnell scope provided with firearm.
Groups were measured directly from paper targets.

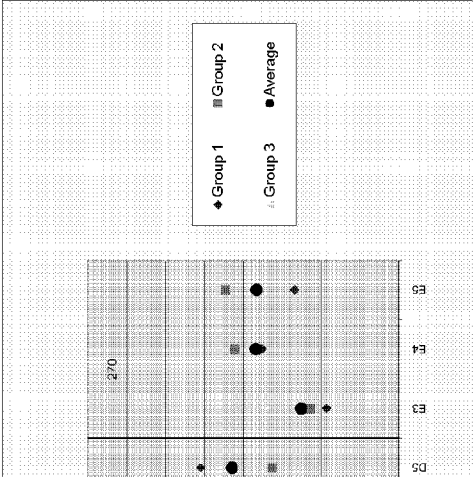
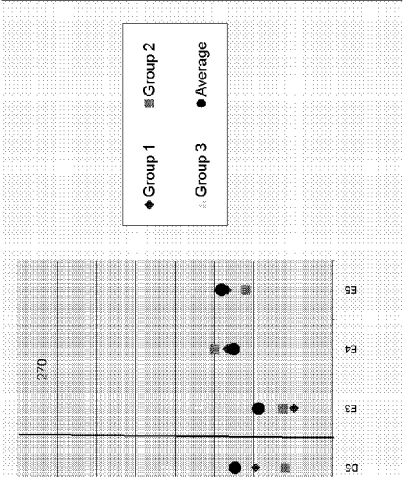
		3 shot groups	
		Group 1	Group 2
	A1	1.6	2.5
	A2	1.68	0.92
	A3	1.32	2.17
	A4	1.6	1.57
	A5	1.32	1.52
	A6	1.22	2.21
	B1	1.41	2.29
	B2	3.24	1.32
	B3	1.16	0.99
	B4	1.79	1.72
	B5	2.2	2
	B6	1.45	1.15
	C1	2.15	2.22
	C2	1.47	1.31
	C3	1.55	0.49
	C4	1.05	1.58
	C5	1.34	2.22
	C6	0.64	1.09
	D3	1.89	1.52
	D4	1.19	1.55
	D5	0.98	0.6
	E3	0.49	0.63
	E4	1.34	1.5
	E5	1.34	1.1

		3 Shot Group Size

5 shot groups													
Group 3	Average	Group 1	Group 2	Group 3	Average								
1.6	1.90	2	3.175	2.65	2.61	Overall Average group size							
1.48	1.36	1.68	1.9	1.48	1.69								
2.24	1.91	1.49	2.17	2.72	2.13								
1.73	1.63	2.63	2.11	1.73	2.16								
0.89	1.24	1.32	2.17	1.02	1.50								
1.5	1.64	2.03	2.21	2.06	2.10	Series	A	B	C	D	E	All	
					Caliber	300 Win Mag	30-06 Sprg	243 Win Youth	7mm Rem Mag	270 Win			
E town													
1.28	1.66	1.41	2.29	1.94	1.88	3 shot	Avg	1.62	1.61	1.31	1.48	1.20	1.47
2.54	2.37	3.48	1.87	2.54	2.63		Std Dev	0.44	0.63	0.55	0.51	0.46	0.54
0.9	1.02	1.66	1.13	1.67	1.49	5 shot	Avg	2.03	1.89	1.90	1.83	1.64	1.89
0.99	1.50	1.9	1.72	1.44	1.69		Std Dev	0.54	0.56	0.47	0.40	0.44	0.50
1.23	1.81	2.2	2.27	1.57	2.01								
1.37	1.32	2.16	1.15	1.63	1.65	# of guns fired		6	6	6	3	3	
0.7	1.69	2.15	2.22	1.5	1.96								
1.62	1.47	2.37	1.31	1.9	1.86								
1.23	1.09	2.63	1.65	1.67	1.98								
1.06	1.23	2.66	1.58	1.78	2.01								
0.43	1.33	1.34	2.63	2.06	2.01								
1.37	1.03	1.77	1.15	1.85	1.59								
1.33	1.58	1.89	1.65	1.33	1.62								
2.1	1.61	1.5	1.55	2.1	1.72								
2.13	1.24	2.55	1.63	2.27	2.15								
1.71	0.94	0.93	1.14	1.71	1.26								
0.93	1.26	1.76	2.11	1.65	1.84								
1.8	1.41	1.34	2.23	1.93	1.83								

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
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M770 Stainless Steel Barrel Assemblies

<autodate>

GUN PERFORMANCE

	CALIBER	LOG DATE	STAMP#	SERIAL#	GROUP SIZE	ROUNDS
1	M770 SS 300 WIN MAG	06/20/07	70	71378558	1.6250	3
2	M770 SS 300 WIN MAG	06/21/07	66	71378562	1.7500	3
3	M770 SS 300 WIN MAG	06/20/07	70	71378567	1.7500	3
4	M770 SS 300 WIN MAG	06/21/07	66	71378568	1.2500	3
5	M770 SS 300 WIN MAG	06/20/07	70	71378570	1.1250	3
6	M770 SS 300 WIN MAG	06/21/07	12	71378571	1.2500	3
7	M770 SS 300 WIN MAG	06/21/07	66	71378573	1.2500	3
8	M770 SS 300 WIN MAG	06/21/07	66	71378641	0.8750	3
9	M770 SS 300 WIN MAG	06/21/07	66	71378642	1.5000	3
10	M770 SS 300 WIN MAG	06/20/07	70	71378644	1.7500	3
11	M770 SS 300 WIN MAG	06/21/07	12	71378646	1.3750	3
12	M770 SS 300 WIN MAG	06/20/07	70	71378649	1.2500	3
13	M770 SS 300 WIN MAG	06/21/07	66	71378650	1.0000	3
14	M770 SS 300 WIN MAG	06/21/07	12	71378651	2.2500	3
15	M770 SS 300 WIN MAG	06/20/07	70	71378659	1.2500	3
16	M770 SS 300 WIN MAG	06/20/07	70	71378664	1.6250	3
17	M770 SS 300 WIN MAG	06/20/07	70	71378665	1.7500	3
18	M770 SS 300 WIN MAG	06/20/07	70	71378666	1.6250	3
19	M770 SS 300 WIN MAG	06/20/07	70	71378667	1.7500	3
20	M770 SS 300 WIN MAG	06/21/07	66	71378669	1.5000	3
21	M770 SS 300 WIN MAG	06/21/07	66	71378730	1.0000	3
22	M770 SS 300 WIN MAG	06/21/07	66	71378731	1.6250	3
23	M770 SS 300 WIN MAG	06/21/07	66	71378733	1.2500	3
24	M770 SS 300 WIN MAG	06/21/07	66	71378734	1.6250	3
25	M770 SS 300 WIN MAG	06/20/07	70	71378736	1.7500	3
26	M770 SS 300 WIN MAG	06/21/07	66	71378738	1.0000	3
27	M770 SS 300 WIN MAG	06/21/07	66	71378739	0.7500	3
28	M770 SS 300 WIN MAG	06/21/07	66	71378740	1.1250	3
29	M770 SS 300 WIN MAG	06/21/07	66	71378745	1.2500	3
30	M770 SS 300 WIN MAG	06/21/07	66	71378749	1.3750	3
31	M770 SS 300 WIN MAG	06/21/07	66	71378751	1.3750	3
32	M770 SS 300 WIN MAG	06/21/07	66	71378752	1.7500	3
33	M770 SS 300 WIN MAG	06/21/07	12	71378756	1.0000	3
34	M770 SS 300 WIN MAG	06/20/07	70	71378757	1.3750	3
35	M770 SS 300 WIN MAG	06/21/07	66	71378758	1.1250	3
36	M770 SS 300 WIN MAG	06/20/07	70	71378759	1.7500	3
37	M770 SS 300 WIN MAG	06/21/07	66	71378761	1.3750	3
38	M770 SS 300 WIN MAG	06/20/07	70	71378762	1.3750	3
39	M770 SS 300 WIN MAG	06/20/07	70	71378765	1.2500	3
40	M770 SS 300 WIN MAG	06/21/07	12	71378767	1.7500	3
41	M770 SS 300 WIN MAG	06/20/07	70	71378769	1.1250	3
42	M770 SS 300 WIN MAG	06/21/07	12	71378772	1.6250	3
43	M770 SS 300 WIN MAG	06/20/07	70	71378774	0.8125	3
44	M770 SS 300 WIN MAG	06/21/07	66	71378775	1.5000	3
45	M770 SS 300 WIN MAG	06/20/07	70	71378776	1.1250	3
46	M770 SS 300 WIN MAG	06/20/07	70	71378779	0.8750	3
47	M770 SS 300 WIN MAG	06/20/07	70	71378781	1.6250	3
48	M770 SS 300 WIN MAG	06/20/07	70	71378782	0.7500	3
49	M770 SS 300 WIN MAG	06/21/07	66	71378783	1.7500	3
50	M770 SS 300 WIN MAG	06/20/07	70	71378785	1.3750	3

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SUBJECT TO PROTECTIVE ORDER - KINZER V. REMINGTON

BARBER - RE 0000621

Mayfield Accuracy

<autofile>		M770 Stainless Steel Barrel Assemblies				<autodate>	
51	M770 SS 300 WIN MAG	06/21/07	66	71378786	1.3750	3	
52	M770 SS 300 WIN MAG	06/20/07	70	71378790	0.8750	3	
53	M770 SS 300 WIN MAG	06/21/07	66	71378791	0.7500	3	
54	M770 SS 300 WIN MAG	06/21/07	12	71378792	1.1250	3	
55	M770 SS 300 WIN MAG	06/21/07	66	71378794	1.1250	3	
56	M770 SS 300 WIN MAG	06/21/07	12	71378795	1.2500	3	
57	M770 SS 300 WIN MAG	06/21/07	66	71378797	1.0000	3	
58	M770 SS 300 WIN MAG	06/20/07	70	71378798	0.8750	3	
59	M770 SS 300 WIN MAG	06/20/07	70	71378799	1.2500	3	
60	M770 SS 300 WIN MAG	06/20/07	70	71378803	1.3750	3	
61	M770 SS 300 WIN MAG	06/20/07	70	71378804	1.0000	3	
62	M770 SS 300 WIN MAG	06/20/07	70	71378805	0.9375	3	
63	M770 SS 300 WIN MAG	06/21/07	66	71378807	1.2500	3	
64	M770 SS 300 WIN MAG	06/21/07	12	71378808	1.7500	3	
65	M770 SS 300 WIN MAG	06/20/07	70	71378809	1.5000	3	
66	M770 SS 300 WIN MAG	06/21/07	66	71378810	1.3750	3	
67	M770 SS 300 WIN MAG	06/20/07	70	71378811	1.2500	3	
68	M770 SS 300 WIN MAG	06/21/07	12	71378813	1.3750	3	
69	M770 SS 300 WIN MAG	06/20/07	70	71378815	1.6250	3	
70	M770 SS 300 WIN MAG	06/20/07	70	71378816	1.5000	3	
71	M770 SS 300 WIN MAG	06/21/07	12	71378817	1.6250	3	
72	M770 SS 300 WIN MAG	06/20/07	70	71378851	1.6250	3	
73	M770 SS 300 WIN MAG	06/21/07	66	71378852	1.3750	3	
74	M770 SS 300 WIN MAG	06/21/07	12	71378853	1.2500	3	
75	M770 SS 300 WIN MAG	06/21/07	66	71378854	1.2500	3	
76	M770 SS 300 WIN MAG	06/20/07	70	71378857	1.0000	3	
77	M770 SS 300 WIN MAG	06/20/07	70	71378858	1.6250	3	
78	M770 SS 300 WIN MAG	06/21/07	66	71378863	1.8750	3	
79	M770 SS 300 WIN MAG	06/21/07	12	71378864	2.0000	3	
80	M770 SS 300 WIN MAG	06/21/07	66	71378865	1.7500	3	
81	M770 SS 300 WIN MAG	06/20/07	70	71378867	1.3750	3	
82	M770 SS 300 WIN MAG	06/21/07	12	71378869	2.2500	3	
83	M770 SS 300 WIN MAG	06/20/07	70	71378871	1.7500	3	
84	M770 SS 300 WIN MAG	06/21/07	66	71378940	1.7500	3	
85	M770 SS 300 WIN MAG	06/20/07	70	71378941	1.3750	3	
86	M770 SS 300 WIN MAG	06/20/07	70	71378944	1.6250	3	
87	M770 SS 300 WIN MAG	06/21/07	66	71378945	1.7500	3	
88	M770 SS 300 WIN MAG	06/20/07	70	71378946	1.5000	3	
89	M770 SS 300 WIN MAG	06/20/07	70	71378946	1.2500	3	
	M770 SS 300 WIN MAG	06/20/07	70	71378946	1.5000	3	
	M770 SS 300 WIN MAG	06/20/07	70	71378946	1.2500	3	
90	M770 SS 300 WIN MAG	06/21/07	66	71378947	1.5000	3	
91	M770 SS 300 WIN MAG	06/20/07	70	71378948	1.2500	3	
92	M770 SS 300 WIN MAG	06/20/07	70	71378955	1.5000	3	
93	M770 SS 300 WIN MAG	06/20/07	70	71378961	1.5000	3	
94	M770 SS 300 WIN MAG	06/21/07	66	71378962	1.3750	3	
95	M770 SS 300 WIN MAG	06/21/07	12	71378963	1.5000	3	
96	M770 SS 300 WIN MAG	06/21/07	66	71378964	1.2500	3	
97	M770 SS 300 WIN MAG	06/20/07	70	71378966	1.3750	3	
98	M770 SS 300 WIN MAG	06/20/07	70	71378967	1.1250	3	
99	M770 SS 300 WIN MAG	06/20/07	70	71378969	1.5000	3	
AVERAGE:					1.3964		

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Mayfield Accuracy

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BARBER - RE 0000623

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M770 Stainless Steel Barrel Assemblies

<autodate>

1/1/07 TO 6/17/07CARBON STEEL BARREL AVERAGE:						Std Dev:	0.3106
							1.7085
1	M770 SS 243 WIN YOUTH	06/20/07	70	71378661	1.3750	3	
2	M770 SS 243 WIN YOUTH	06/20/07	70	71378878	1.0000	3	
3	M770 SS 243 WIN YOUTH	06/20/07	70	71378965	1.3750	3	
4	M770 SS 243 WIN YOUTH	06/20/07	70	71378875	1.1250	3	
5	M770 SS 243 WIN YOUTH	06/20/07	70	71378750	0.7500	3	
6	M770 SS 243 WIN YOUTH	06/20/07	66	71378780	0.8125	3	
7	M770 SS 243 WIN YOUTH	06/20/07	66	71378778	0.9375	3	
8	M770 SS 243 WIN YOUTH	06/20/07	66	71378796	0.8750	3	
						AVERAGE:	1.0313
						Std Dev:	0.2409
1/1/07 TO 6/17/07CARBON STEEL BARREL AVERAGE:							1.1934
1	M770 SS 30-06 SPRG	06/20/07	70	71366912	1.2500	3	
2	M770 SS 30-06 SPRG	06/18/07	70	71378550	0.7500	3	
3	M770 SS 30-06 SPRG	06/18/07	70	71378551	1.6250	3	
4	M770 SS 30-06 SPRG	06/21/07	66	71378555	0.8125	3	
5	M770 SS 30-06 SPRG	06/18/07	70	71378559	1.5000	3	
6	M770 SS 30-06 SPRG	06/18/07	70	71378560	0.7500	3	
7	M770 SS 30-06 SPRG	06/18/07	70	71378561	1.7500	3	
8	M770 SS 30-06 SPRG	06/18/07	70	71378563	1.5000	3	
9	M770 SS 30-06 SPRG	06/18/07	70	71378566	0.9375	3	
10	M770 SS 30-06 SPRG	06/18/07	70	71378569	1.5000	3	
11	M770 SS 30-06 SPRG	06/18/07	70	71378576	1.1250	3	
12	M770 SS 30-06 SPRG	06/18/07	70	71378640	1.1250	3	
13	M770 SS 30-06 SPRG	06/18/07	70	71378643	1.3750	3	
14	M770 SS 30-06 SPRG	06/18/07	70	71378645	1.1250	3	
15	M770 SS 30-06 SPRG	06/20/07	66	71378647	1.3750	3	
16	M770 SS 30-06 SPRG	06/18/07	70	71378648	1.3750	3	
17	M770 SS 30-06 SPRG	06/18/07	70	71378652	1.2500	3	
18	M770 SS 30-06 SPRG	06/20/07	70	71378653	1.3750	3	
19	M770 SS 30-06 SPRG	06/18/07	70	71378654	1.1250	3	
20	M770 SS 30-06 SPRG	06/18/07	70	71378655	1.2500	3	
21	M770 SS 30-06 SPRG	06/21/07	66	71378656	1.1250	3	
22	M770 SS 30-06 SPRG	06/20/07	66	71378657	1.5000	3	
23	M770 SS 30-06 SPRG	06/18/07	70	71378658	1.3750	3	
24	M770 SS 30-06 SPRG	06/18/07	70	71378660	1.3750	3	
25	M770 SS 30-06 SPRG	06/18/07	70	71378662	1.1250	3	
26	M770 SS 30-06 SPRG	06/18/07	70	71378668	1.2500	3	
27	M770 SS 30-06 SPRG	06/20/07	66	71378732	1.3750	3	
28	M770 SS 30-06 SPRG	06/18/07	70	71378737	1.6250	3	
29	M770 SS 30-06 SPRG	06/20/07	66	71378741	1.2500	3	
30	M770 SS 30-06 SPRG	06/18/07	70	71378742	0.5000	3	
31	M770 SS 30-06 SPRG	06/18/07	70	71378743	1.0000	3	
32	M770 SS 30-06 SPRG	06/18/07	70	71378744	0.8750	3	
33	M770 SS 30-06 SPRG	06/18/07	70	71378746	1.2500	3	
34	M770 SS 30-06 SPRG	06/20/07	66	71378747	1.6250	3	
35	M770 SS 30-06 SPRG	06/21/07	66	71378748	1.0000	3	
36	M770 SS 30-06 SPRG	06/18/07	70	71378753	1.0000	3	

BARBER - RE 0000625

Mayfield Accuracy

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BETTER /WORSE: 0.3121

BETTER /WORSE: 0.1622

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M770 Stainless Steel Barrel Assemblies

<autodate>

37	M770 SS 30-06 SPRG	06/18/07	70	71378755	0.8750	3
38	M770 SS 30-06 SPRG	06/18/07	70	71378760	0.7189	3
39	M770 SS 30-06 SPRG	06/18/07	70	71378763	1.7500	3
40	M770 SS 30-06 SPRG	06/21/07	66	71378764	1.0000	3
41	M770 SS 30-06 SPRG	06/18/07	70	71378770	1.3750	3
42	M770 SS 30-06 SPRG	06/18/07	70	71378771	1.2500	3
43	M770 SS 30-06 SPRG	06/18/07	70	71378773	0.8750	3
44	M770 SS 30-06 SPRG	06/18/07	70	71378784	1.6250	3
45	M770 SS 30-06 SPRG	06/20/07	66	71378787	1.6250	3
46	M770 SS 30-06 SPRG	06/18/07	70	71378789	1.0000	3
47	M770 SS 30-06 SPRG	06/21/07	66	71378793	1.1250	3
48	M770 SS 30-06 SPRG	06/18/07	70	71378800	1.6250	3
49	M770 SS 30-06 SPRG	06/18/07	70	71378801	1.2500	3
50	M770 SS 30-06 SPRG	06/18/07	70	71378802	1.3750	3
51	M770 SS 30-06 SPRG	06/20/07	66	71378806	1.6250	3
52	M770 SS 30-06 SPRG	06/20/07	70	71378812	1.5000	3
53	M770 SS 30-06 SPRG	06/18/07	70	71378814	1.5000	3
54	M770 SS 30-06 SPRG	06/18/07	70	71378818	1.2500	3
55	M770 SS 30-06 SPRG	06/21/07	66	71378819	1.1250	3
56	M770 SS 30-06 SPRG	06/18/07	70	71378850	1.3750	3
57	M770 SS 30-06 SPRG	06/18/07	70	71378856	1.2500	3
58	M770 SS 30-06 SPRG	06/20/07	66	71378860	0.8125	3
59	M770 SS 30-06 SPRG	06/18/07	70	71378862	1.5000	3
60	M770 SS 30-06 SPRG	06/18/07	70	71378866	1.7500	3
61	M770 SS 30-06 SPRG	06/18/07	70	71378868	1.1250	3
62	M770 SS 30-06 SPRG	06/20/07	66	71378872	1.2500	3
63	M770 SS 30-06 SPRG	06/18/07	70	71378873	1.7500	3
64	M770 SS 30-06 SPRG	06/18/07	70	71378874	1.2500	3
65	M770 SS 30-06 SPRG	06/18/07	70	71378876	1.3750	3
66	M770 SS 30-06 SPRG	06/20/07	66	71378877	1.0000	3
67	M770 SS 30-06 SPRG	06/20/07	70	71378942	1.5000	3
68	M770 SS 30-06 SPRG	06/21/07	66	71378943	1.1250	3
69	M770 SS 30-06 SPRG	06/18/07	70	71378950	1.0000	3
70	M770 SS 30-06 SPRG	06/18/07	70	71378951	1.5000	3
71	M770 SS 30-06 SPRG	06/18/07	70	71378952	0.5000	3
72	M770 SS 30-06 SPRG	06/18/07	70	71378953	1.6250	3
73	M770 SS 30-06 SPRG	06/18/07	70	71378954	1.2500	3
74	M770 SS 30-06 SPRG	06/18/07	70	71378956	1.3750	3
75	M770 SS 30-06 SPRG	06/20/07	66	71378957	1.3750	3
76	M770 SS 30-06 SPRG	06/18/07	70	71378958	1.3750	3
77	M770 SS 30-06 SPRG	06/18/07	70	71378959	1.0000	3
78	M770 SS 30-06 SPRG	06/18/07	70	71378960	0.9375	3
79	M770 SS 30-06 SPRG	06/18/07	70	71378968	0.5312	3
80	M770 SS 30-06 SPRG	06/20/07	66	714378768	1.3750	3

AVERAGE: 1.2031

Std Dev: 0.2976

1/1/07 TO 6/17/07CARBON STEEL BARREL AVERAGE: 1.3402

CALIBER	LOG DATE	STAMP#	SERIAL#	GROUP SIZE	ROUNDS
M770 SS 270 WIN	06/14/07	78	71386134	1.2500	3

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BARBER - RE 0000627

BETTER /WORSE: 0.1371

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M770 Stainless Steel Barrel Assemblies

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M770 SS 270 WIN	08/14/07	78	71390499	1.5000	3
M770 SS 270 WIN	08/14/07	12	71386318	1.0000	3
M770 SS 270 WIN	08/14/07	12	71386624	1.2500	3
M770 SS 270 WIN	08/14/07	78	71382323	1.6250	4
M770 SS 270 WIN	08/14/07	78	71382826	1.5000	3
M770 SS 270 WIN	08/14/07	66	71390505	1.1250	3
M770 SS 270 WIN	08/14/07	66	71390510	0.8125	3
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M770 SS 270 WIN	08/15/07	70	71386308	1.6250	3
M770 SS 270 WIN	08/15/07	70	71378766	1.3750	3
M770 SS 270 WIN	08/15/07	78	71386245	1.1250	3
M770 SS 270 WIN	08/15/07	78	71390468	0.7500	3
M770 SS 270 WIN	08/15/07	78	71386319	1.0000	3
M770 SS 270 WIN	08/15/07	78	71384728	1.6250	4
M770 SS 270 WIN	08/15/07	12	71386441	1.2500	3
M770 SS 270 WIN	08/15/07	12	71386352	1.5000	3
M770 SS 270 WIN	08/15/07	78	71383830	1.7500	4
M770 SS 270 WIN	08/15/07	78	71381239	1.5000	3
				AVERAGE:	1.3071
				Std Dev:	0.2684
RAMAC #85652				CARBON STEEL 1/1/07 to 8/1/07 AVERAGE:	1.3163
M770 SS 7MM REM MAG	08/15/07	66	71386635	1.2500	3
M770 SS 7MM REM MAG	08/15/07	66	71385908	1.6250	3
M770 SS 7MM REM MAG	08/15/07	66	71385400	1.0000	3
				AVERAGE:	1.2917
				Std Dev:	0.3146
RAMAC #85654				CARBON STEEL 1/1/07 to 8/1/07 AVERAGE:	1.5155
				Overall	1.3108
				Overall	0.3089

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M770 Stainless Steel Barrel Assemblies

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BETTER /WORSE: 0.0092

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BETTER /WORSE: 0.2238

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Mayfield Accuracy

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M770 Stainless Steel Barrel Assemblies

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Mayfield Accuracy

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- Mayfield Accuracy

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Mayfield Accuracy

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Mayfield Accuracy

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Mayfield Accuracy

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Overall Accuracy Summary						
Series	A	B	C	D	E	All Calibers Combined
Caliber	300 Win Mag	30-06 Sprg	243 Win Youth	7mm Rem Mag	270 Win	
Elizabethtown Accuracy Data						
3 Shot Group Average	1.62	1.61	1.31	1.48	1.20	1.47
3 Shot Group Standard Deviation	0.44	0.63	0.55	0.51	0.46	0.54
5 Shot Group Average	2.03	1.89	1.90	1.83	1.64	1.89
5 Shot Group Standard Deviation	0.54	0.56	0.47	0.40	0.44	0.50
# of guns fired	6	6	6	3	3	24
# of groups per gun	3	3	3	3	3	3
Mayfield Accuracy Data						
3 Shot Group Average	1.40	1.20	1.03	1.29	1.31	1.31
3 Shot Group Standard Deviation	0.31	0.30	0.24	0.31	0.27	0.31
# of guns fired	101	80	8	3	23	215
# of groups per gun	1	1	1	1	1	1

A1	A2	A3	A4	A5	A6	B1	B2	B3	B4
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK			OK	OK	OK	OK
OK	OK					OK	OK		
OK	OK					OK	OK		

Clean and Inspect Summary

Before Test
100 RL
500 RL
1000 RL
1500 RL
2000 RL

Malfunction Summary										
	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4
100 RL	0	0	0	0	0	0	0	0	0	0
500 RL	0	1 ^a	0	0	0	0	0	0	0	0
1000 RL	0	0	2 ^b	0			0	0	0	0
1500 RL	0	0					0	0		
2000 RL	0	0					0	0		

^a Fail to Eject on round 315
^b A3 Firing pin bound on rounds 638,697. Trigger got heavy few rounds prior to malfunction, then no fire.
^c Bolt locking lug intermittently hit front of magazine follower.

B5	B6	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	E1	E2	E3	E4	E5
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK				OK	OK			
		OK	OK	OK	OK			OK					OK				
		OK	OK														
		OK	OK														

B5	B6	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	E1	E2	E3	E4	E5
0	0	0	0	0	0	0	0	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
0	0	0	0	0	0	0	0	0°	0°				0°	0°			
		0	0	0	0			0°					0°				
		0	0														
		0	0														

bolt locking lug was hitting front of follower
made chamfer on followers - D1,D2, E1,E2
corrected the problem

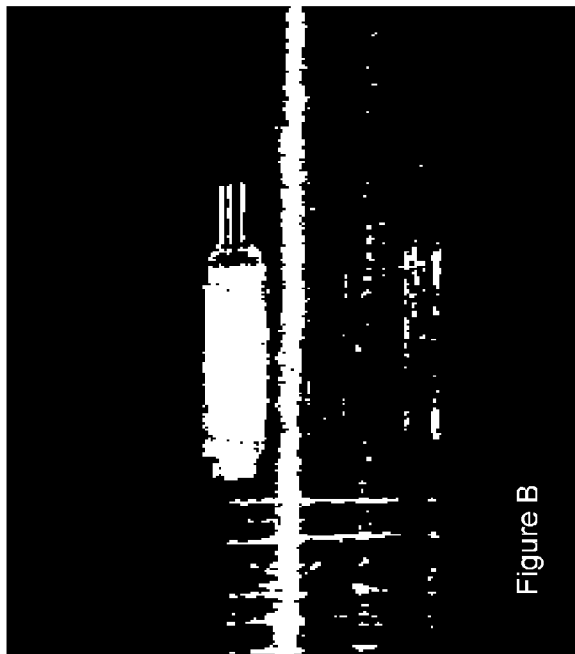
A-3 Firing Pin would bind up occasionally during livefire testing.

Upon disassembly & inspection it was determined that a piece of debri (most likely a metal chip) must have been lodged between the firing pin, bolt plug and main spring.

This gouged into the firing pin as shown in Figures B & C and restricted the proper movment of the pin during livefire testing.



Figure A



[illegible]

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			
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66			
67			
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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 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 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 X
141			
142			

143			
144			
145			
146			
147			
148			
149			
150			
151			
152			
153			
154			
155			
156			
157			
158			
159			
160	X	X X X X X X	X X X X X X
161			
162			
163			
164			
165			
166			
167			
168			
169			
170			
171			
172			
173			
174			
175			
176			
177			
178			
179			
180	X	X X X X X X	X X X X X X
181			
182			
183			
184			
185			
186			
187			
188			
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190			
191			

192			
193			
194			
195			
196			
197			
198			
199			
200	X	X X X X X X	X X X X X X X
201			
202			
203			
204			
205			
206			
207			
208			
209			
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211			
212			
213			
214			
215			
216			
217			
218			
219			
220	X	X X X X X X	X X X X X X X
221			
222			
223			
224			
225			
226			
227			
228			
229			
230			
231			
232			
233			
234			
235			
236			
237			
238			
239			
240	X	X X X X X X	X X X X X X X

241			
242			
243			
244			
245			
246			
247			
248			
249			
250			
251			
252			
253			
254			
255			
256			
257			
258			
259			
260	X	X X X X X X	X X X X X X
261			
262			
263			
264			
265			
266			
267			
268			
269			
270			
271			
272			
273			
274			
275			
276			
277			
278			
279			
280	X	X X X X X X	X X X X X X
281			
282			
283			
284			
285			
286			
287			
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289			

290			
291			
292			
293			
294			
295			
296			
297			
298			
299			
300	X	X X X X X X	X X X X X X
301			
302			
303			
304			
305			
306			
307			
308			
309			
310			
311			
312			
313			
314			
315		FTE	
316			
317			
318			
319			
320	X	X X X X X X	X X X X X X
321			
322			
323			
324			
325			
326			
327			
328			
329			
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331			
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388			
389			
390			
391			
392			
393			
394			
395			
396			
397			
398			
399			
400	X	X X X X X X	X X X X X X
401			
402			
403			
404			
405			
406			
407			
408			
409			
410			
411			
412			
413			
414			
415			
416			
417			
418			
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421			
422			
423			
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425			
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429			
430			
431			
432			
433			
434			
435			
436			

486		X
487		X
488		X
489		X
490		X
491		X
492		X
493		X
494		X
495		X
496		X
497		X
498		X
499		X
500	X	

Round Level	Test Gun ID											
	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
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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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1500	X	X	X	X	X	2000	X	X	X	X	X

PROJECT: 241230				M/770 STAINLESS STEEL												
TLW: 2359				7MM REM MAG	Test Gun ID	.270 Win										
Round		D1				D2	D3	D4	D5	E1		E2	E3	E4	E5	
Level																
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10	x					x	x	x	x	x			x	x	x	x
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15	x					x	x	x	x	x			x	x	x	x
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30	x					x	x	x	x	x			x	x	x	x
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35	x					x	x	x	x	x			x	x	x	x
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40	x					x	x	x	x	x			x	x	x	x
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Round Level	7MM R M Test Gun ID		.270 WIN	
	D1	D2	E1	E2
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105	x	x	x	x
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110	x	x	x	x
111				
112				
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114				
115	x	x	x	x
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119				
120	x	x	x	x
121				
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125	x	x	x	x
126				
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130	x	x	x	x
131				
132				
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134				
135	x	x	x	x
136				
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138				
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140	x	x	x	x
141				
142				
143				
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145	x	x	x	x
146				
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150	x	x	x	x
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155	x	x	x	x
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160	x	x	x	x
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164				
165	x	x	x	x
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170	x	x	x	x
171				
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175	x	x	x	x
176				
177				
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179				
180	x	x	x	x
181				
182				
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184				
185	x	x	x	x
186				
187				
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190	x	x	x	x
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195	x	x	x	x
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200	x	x	x	x
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205	x	x	x	x
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210	x	x	x	x
211				
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215	x	x	x	x
216				
217				
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219				
220	x	x	x	x
221				
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223				
224				
225	x	x	x	x
226				
227				
228				
229				
230	x	x	x	x
231				
232				
233				
234				
235	x	x	x	x
236				
237				
238				
239				
240	x	x	x	x
241				
242				

243				
244				
245	x	x	x	x
246				
247				
248				
249				
250	x	x	x	x
251				
252				
253				
254				
255	x	x	x	x
256				
257				
258				
259				
260	x	x	x	x
261				
262				
263				
264				
265	x	x	x	x
266				
267				
268				
269				
270	x	x	x	x
271				
272				
273				
274				
275	x	x	x	x
276				
277				
278				
279				
280	x	x	x	x
281				
282				
283				
284				
285	x	x	x	x
286				
287				
288				
289				
290	x	x	x	x
291				

292				
293				
294				
295	x	x	x	x
296				
297				
298				
299				
300	x	x	x	x
301				
302				
303				
304				
305	x	x	x	x
306				
307				
308				
309				
310	x	x	x	x
311				
312				
313				
314				
315	x	x	x	x
316				
317				
318				
319				
320	x	x	x	x
321				
322				
323				
324				
325	x	x	x	x
326				
327				
328				
329				
330	x	x	x	x
331				
332				
333				
334				
335	x	x	x	x
336				
337				
338				
339				
340	x	x	x	x

341			
342			
343			
344			
345	x	x	x
346			
347			
348			
349			
350	x	x	x
351			
352			
353			
354			
355	x	x	x
356			
357			
358			
359			
360	x	x	x
361			
362			
363			
364			
365	x	x	x
366			
367			
368			
369			
370	x	x	x
371			
372			
373			
374			
375	x	x	x
376			
377			
378			
379			
380	x	x	x
381			
382			
383			
384			
385	x	x	x
386			
387			
388			
389			

390	x	x	x	x
391				
392				
393				
394				
395	x	x	x	x
396				
397				
398				
399				
400	x	x	x	x
401				
402				
403				
404				
405	x	x	x	x
406				
407				
408				
409				
410	x	x	x	x
411				
412				
413				
414				
415	x	x	x	x
416				
417				
418				
419				
420	x	x	x	x
421				
422				
423				
424				
425	x	x	x	x
426				
427				
428				
429				
430	x	x	x	x
431				
432				
433				
434				
435	x	x	x	x
436				
437				
438				

439				
440	x	x	x	x
441				
442				
443				
444				
445	x	x	x	x
446				
447				
448				
449				
450	x	x	x	x
451				
452				
453				
454				
455	x	x	x	x
456				
457				
458				
459				
460	x	x	x	x
461				
462				
463				
464				
465	x	x	x	x
466				
467				
468				
469				
470	x	x	x	x
471				
472				
473				
474				
475	x	x	x	x
476				
477				
478				
479				
480	x	x	x	x
481				
482				
483				
484				
485	x	x	x	x
486				
487				

7MM RM .270 WIN		
Test Gun ID		
Round Level	D1	E1
501		
502		
503		
504		
505	x	x
506		
507		
508		
509		
510	x	x
511		
512		
513		
514		
515	x	x
516		
517		
518		
519		
520	x	x
521		
522		
523		
524		
525	x	x
526		
527		
528		
529		
530	x	x
531		
532		
533		
534		
535	x	x
536		
537		
538		
539		
540	x	x
541		
542		
543		
544		

545	x	x
546		
547		
548		
549		
550	x	x
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554		
555	x	x
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560	x	x
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562		
563		
564		
565	x	x
566		
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568		
569		
570	x	x
571		
572		
573		
574		
575	x	x
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579		
580	x	x
581		
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583		
584		
585	x	x
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590	x	x
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594		
595	x	x
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600	x	x
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604		
605	x	x
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610	x	x
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615	x	x
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617		
618		
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622		
623		
624		
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627		
628		
629		
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631		
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633		
634		
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642		

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644		
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675	x	x
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680	x	x
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690	x	x
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692		
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695	x	x
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702		
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704		
705	x	x
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724		
725	x	x
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727		
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729		
730	x	x
731		
732		
733		
734		
735	x	x
736		
737		
738		
739		
740	x	x

741		
742		
743		
744		
745	x	x
746		
747		
748		
749		
750	x	x
751		
752		
753		
754		
755	x	x
756		
757		
758		
759		
760	x	x
761		
762		
763		
764		
765	x	x
766		
767		
768		
769		
770	x	x
771		
772		
773		
774		
775	x	x
776		
777		
778		
779		
780	x	x
781		
782		
783		
784		
785	x	x
786		
787		
788		
789		

790	x	x
791		
792		
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794		
795	x	x
796		
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799		
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801		
802		
803		
804		
805	x	x
806		
807		
808		
809		
810	x	x
811		
812		
813		
814		
815	x	x
816		
817		
818		
819		
820	x	x
821		
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824		
825	x	x
826		
827		
828		
829		
830	x	x
831		
832		
833		
834		
835	x	x
836		
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838		

839		
840	x	x
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842		
843		
844		
845	x	x
846		
847		
848		
849		
850	x	x
851		
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853		
854		
855	x	x
856		
857		
858		
859		
860	x	x
861		
862		
863		
864		
865	x	x
866		
867		
868		
869		
870	x	x
871		
872		
873		
874		
875	x	x
876		
877		
878		
879		
880	x	x
881		
882		
883		
884		
885	x	x
886		
887		

888		
889		
890	x	x
891		
892		
893		
894		
895	x	x
896		
897		
898		
899		
900	x	x
901		
902		
903		
904		
905	x	x
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907		
908		
909		
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912		
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914		
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917		
918		
919		
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922		
923		
924		
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927		
928		
929		
930	x	x
931		
932		
933		
934		
935	x	x
936		

937		
938		
939		
940	x	x
941		
942		
943		
944		
945	x	x
946		
947		
948		
949		
950	x	x
951		
952		
953		
954		
955	x	x
956		
957		
958		
959		
960	x	x
961		
962		
963		
964		
965	x	x
966		
967		
968		
969		
970	x	x
971		
972		
973		
974		
975	x	x
976		
977		
978		
979		
980	x	x
981		
982		
983		
984		
985	x	x

986		
987		
988		
989		
990	x	
991		
992		
993		
994		
995	x	
996		
997		
998		
999		
1000	x	x

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.

Hardness on OD of barrel

Gun ID		A1	B1	C1	D1	E1
Location	Over Lug	43.0	44.4	41.4	39.4	42.9
	Between Lug	41.5	39.0	39.0	42.6	44.1

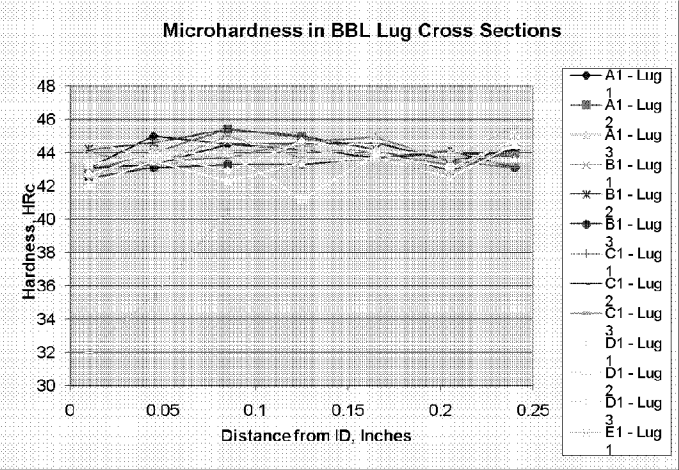
Microhardness

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

D1 7mm



D1 - Lug 1			D1 - Lug 2			D1 - Lug 3		
HRc			HV			HRc		
0.01	42.7	419	43.3	426		42.1	413	
0.045	43.9	433	43.9	433		43.5	429	
0.085	42.9	422	44	434		42.3	416	
0.125	44.7	443	41.2	404		43.4	427	
0.165	44.1	435	43.9	432		43.7	431	
0.205	43.9	433	43.1	424		42.5	417	
0.24	45.6	453	44.8	443		44.5	440	

E1			270					
E1 - Lug 1			E1 - Lug 2			E1 - Lug 3		
HRc			HV			HRc		
0.01	44.8	444	42.4	416		32	318	
0.045	43.5	429	44.1	435		35.4	346	
0.085	44	434	44.7	442		40.5	397	
0.125	43.6	430	44.3	439		44.1	435	
0.165	45	446	43.5	429		44.7	443	
0.205	44.1	435	42.7	420		43.7	431	
0.24	45.3	449	45	445		45.6	454	

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

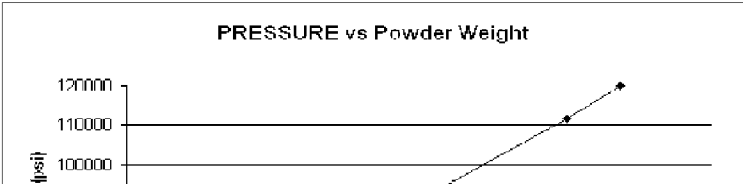
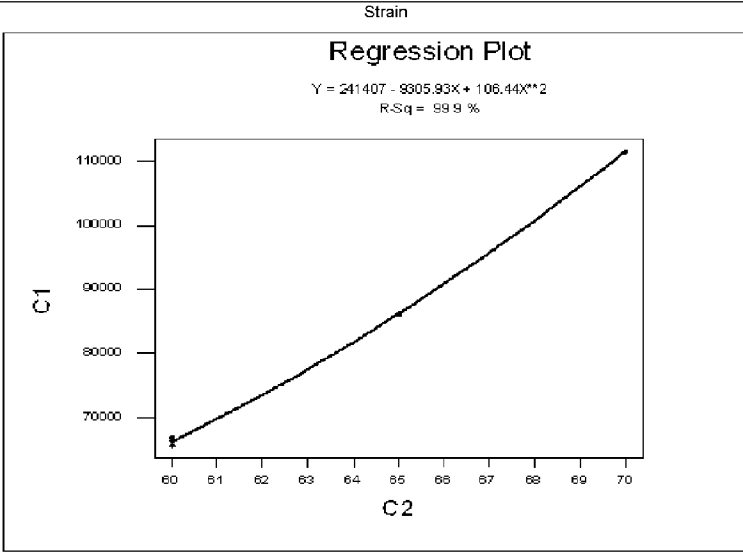
MINITAB CURVE FIT OF EXPERIMENTAL DATA
Quadratic fit with formula shown in Regression Plot

Constant =		241407	
			Predicted
Weight	W^2	Pressure	
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

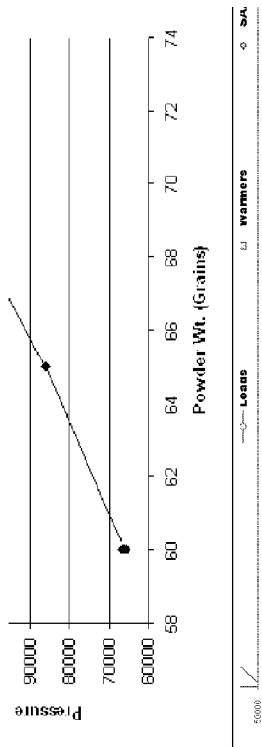


Remington	Powder :	IMR 3031 Cont 528
9.5 Large	Lot # :	E97AU19 L1500
180gr SP	Barrel-Transd :	UR 46 / # 2123
	Sens-CF's :	131 / Rem 9790
	Date Calib :	Apr-07

grains	Final Load :
psi	71.5
grains	grains

[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



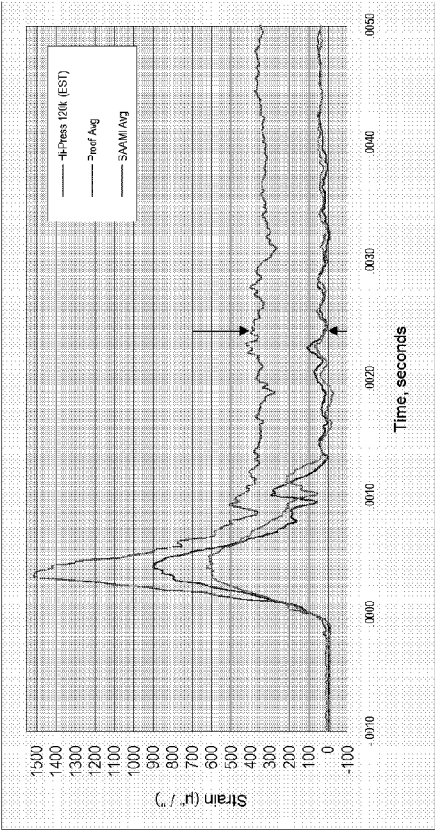
			AMT
			△
			Proof
			Trendline Exp & Linear

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)

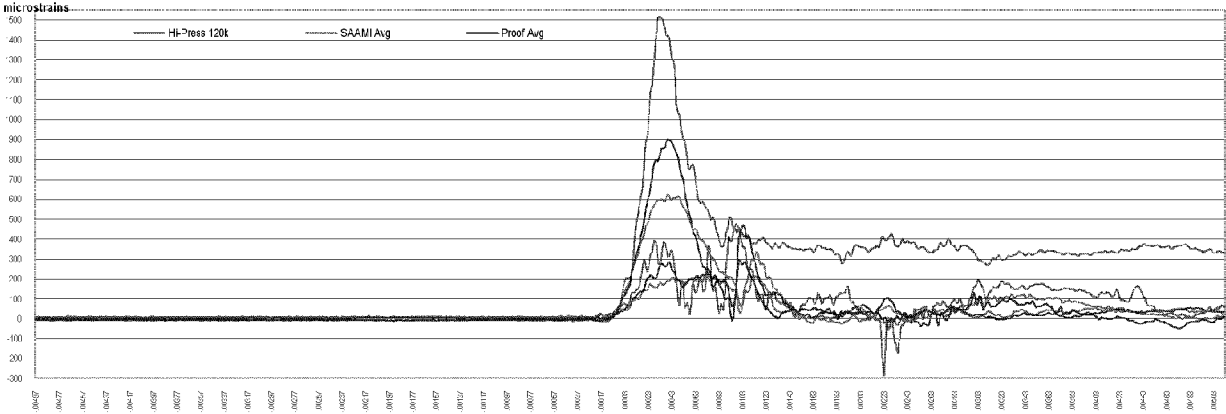






770 Stainless Steel Barrels Strains

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	-98	SAAMI
3	631	-25	333	-72	SAAMI
4	907	-11	452	-53	Proof
5	887	16	455	65	Proof
6	907	-9	524	-136	Proof
7	1515	27	459	-284	Hi-Press 120k / 71.5 grains
Avg	627	-26	337	-31	SAAMI
Avg	900	-5	471	-50	Proof
Microstains		Microstains	Microstains	Microstains	
> Somet System > Gun: 300WM / A9 - 71378962 > Trig level 100us		Ohms		Pre	Post
		Hoop		120.1	NA
		Axial		120.3	NA



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	6.23	-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	5.23	-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	-9.95	-.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	-8.64	7.66	-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	1.88	-6.93	7.66	-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
-8.99	-135.93	Min	5.16	-284.11	-25.84	-30.98	-10.32	-50.09		0.00001
-4.28	1.96	-004990	6.34	4.96	-6.49	4.71	-5.92	1.41		0.00002
-2.07	3.21	-004980	7.37	6.44	-6.71	5.57	-5.75	1.59		0.00003
-2.80	1.66	-004970	9.58	6.29	-7.22	5.30	-6.66	1.32		0.00004
-4.13	-.33	-004960	10.68	4.15	-7.67	5.62	-7.72	1.02		0.00005
-3.32	-.78	-004950	9.87	3.19	-7.79	6.21	-6.88	2.15		0.00006
-1.40	1.88	-004940	8.84	4.37	-7.13	5.57	-5.92	3.16		0.00007
-2.14	2.77	-004930	8.25	4.37	-6.78	4.07	-6.29	2.08		0.00008
-3.03	1.88	-004920	10.24	4.22	-7.05	4.39	-6.81	1.19		0.00009
-3.61	-.04	-004910	9.43	3.19	-7.03	5.01	-6.41	1.56		0.0001
-2.80	.33	-004900	9.06	4.89	-7.25	4.17	-6.09	2.08		0.00011
-2.36	1.81	-004890	7.66	5.26	-7.59	3.90	-5.51	2.28		0.00012
-3.25	2.10	-004880	8.91	5.70	-7.25	4.89	-5.55	2.37		0.00013
-5.60	.55	-004870	9.65	5.18	-6.86	5.48	-6.36	2.47		0.00014
-5.46	.70	-004860	8.55	5.40	-7.45	5.01	-7.15	2.25		0.00015
-4.57	.55	-004850	7.07	7.25	-8.50	5.48	-6.73	2.10		0.00016
-3.76	-.48	-004840	8.10	7.62	-9.04	6.63	-6.54	1.09		0.00017
-4.06	-.63	-004830	9.87	4.66	-9.16	6.26	-6.27	.28		0.00018
-3.39	2.62	-004820	11.79	2.82	-8.92	4.66	-6.02	1.59		0.00019
-2.80	3.06	-004810	9.28	2.67	-7.94	4.00	-5.73	3.43		0.0002
-2.44	.26	-004800	7.74	5.26	-7.49	4.76	-6.95	2.82		0.00021
-3.32	-1.96	-004790	7.81	6.07	-7.42	5.65	-6.98	1.73		0.00022
-2.88	-.41	-004780	9.50	6.14	-7.45	5.55	-6.34	.97		0.00023
-2.51	.85	-004770	9.58	5.11	-7.59	4.93	-5.38	1.22		0.00024
-1.55	2.25	-004760	8.64	4.22	-8.03	4.79	-5.51	2.03		0.00025
-2.66	1.07	-004750	8.55	6.14	-8.28	4.76	-5.65	2.50		0.00026
-3.10	-.19	-004740	7.22	7.77	-8.99	3.95	-5.70	1.41		0.00027
-2.44	-.70	-004730	6.85	7.47	-9.14	3.21	-5.95	.43		0.00028
-.89	1.29	-004720	10.31	5.33	-8.26	4.00	-5.55	1.14		0.00029
-2.07	2.18	-004710	12.82	3.63	-7.81	5.16	-5.24	2.60		0.0003
-3.17	1.96	-004700	12.89	4.96	-8.82	4.79	-5.85	2.92		0.00031
-4.13	-.04	-004690	10.46	5.55	-9.56	4.12	-6.91	2.15		0.00032
-4.28	-.04	-004680	10.68	6.95	-8.40	4.74	-7.35	1.98		0.00033
-5.31	-.19	-004670	9.95	5.70	-7.05	4.91	-7.40	1.34		0.00034
-3.84	-.63	-004660	10.02	4.37	-7.45	3.78	-6.66	.31		0.00035
-1.63	-1.52	-004650	10.17	4.30	-7.59	3.90	-5.01	.48		0.00036
-1.18	.40	-004640	10.31	6.44	-6.78	5.18	-4.67	1.49		0.00037
-2.22	2.69	-004630	9.28	7.32	-6.59	6.24	-4.89	2.40		0.00038
-1.77	2.99	-004620	9.80	7.40	-7.64	5.62	-5.46	1.66		0.00039
-2.36	1.07	-004610	9.43	5.77	-7.86	5.75	-5.82	1.41		0.0004
-3.17	.63	-004600	9.87	5.11	-7.08	6.07	-6.54	1.41		0.00041
-5.31	.18	-004590	8.99	3.85	-6.83	5.21	-7.18	2.25		0.00042
-4.87	1.00	-004580	9.80	4.00	-7.72	4.54	-7.47	2.57		0.00043
-2.80	1.66	-004570	9.13	4.07	-8.33	5.18	-6.24	2.89		0.00044

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
-9.87625599	-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
-7.6630745	-8.69761658	-12.38096319	-5.1616993	-4.88703968
-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	-3.33
-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	5.23	-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
-004210	-7.00	3.21	-9.36	8.16	-10.54	6.61	-11.64	3.29	-3.17	4.10
-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	-.65
-004060	-5.09	.55	-7.96	8.82	-9.51	6.90	-12.31	3.88	-3.39	-.56

-2.36	1.22	-004560	9.28	5.26	-8.21	6.04	-6.00	1.71	0.00045	-6.92965794
-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	-3.08908104
-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
-3.25	-1.00	-004500	10.76	5.11	-8.65	5.11	-5.90	1.83	0.00051	-5.89834881
-2.88	.04	-004490	9.28	3.93	-9.90	3.85	-5.53	2.37	0.00052	-3.24641085
-3.25	1.29	-004480	8.99	4.22	-8.28	4.49	-5.90	1.73	0.00053	-4.20405531
-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
-3.39	1.14	-004450	8.91	6.22	-8.11	5.23	-6.71	2.57	0.00056	-4.86703968
-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
-6.78	2.32	-004410	9.72	4.44	-7.42	5.50	-6.09	1.81	0.0006	-3.4674058
-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
-4.28	-1.37	-004350	8.40	4.66	-5.92	5.94	-6.27	.40	0.00066	-5.60368919
-3.54	-3.44	-004340	8.25	3.63	-7.15	5.16	-5.80	-.01	0.00067	-5.08803463
-2.66	-2.48	-004330	8.99	4.22	-7.84	4.49	-5.48	.50	0.00068	-4.42504978
-2.58	-.48	-004320	9.95	4.07	-7.94	4.71	-5.75	.85	0.00069	-4.79337454
-5.16	-.04	-004310	10.68	4.59	-7.57	5.18	-6.51	1.22	0.0007	-5.01436949
-5.38	1.00	-004300	10.90	5.92	-7.62	4.61	-7.15	1.14	0.00071	-4.20405531
-3.54	1.36	-004290	8.91	5.55	-8.13	4.44	-6.29	1.19	0.00072	-3.68840051
-1.55	1.81	-004280	8.03	4.44	-8.01	5.62	-5.41	.87	0.00073	-3.98306036
-2.95	.18	-004270	7.81	3.19	-7.59	5.72	-5.63	.21	0.00074	-3.5410707
-4.13	.18	-004260	9.58	4.74	-7.22	4.54	-6.27	.36	0.00075	-3.24641085
-4.43	.40	-004250	10.24	6.29	-7.18	4.00	-6.59	1.00	0.00076	-4.27771997
-1.77	2.18	-004240	9.43	7.32	-7.22	4.34	-5.85	1.81	0.00077	-7.00332308
-1.99	1.00	-004230	9.87	7.91	-7.76	4.79	-5.92	1.59	0.00078	-7.00332308
-2.95	.04	-004220	11.49	6.73	-8.92	5.01	-6.27	1.76	0.00079	-4.86703968
-3.17	-.78	-004210	12.16	5.70	-8.97	5.99	-6.00	2.20	0.0008	-3.08908104
-2.22	-.11	-004200	11.05	6.07	-7.96	6.19	-5.95	2.28	0.00081	-5.23536444
-2.66	-.19	-004190	10.02	6.14	-7.57	5.08	-5.53	2.05	0.00082	-6.34033823
-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
-3.32	.11	-004140	10.24	4.22	-6.98	5.75	-6.49	1.02	0.00087	-5.60368919
-4.28	.70	-004130	10.39	6.51	-8.16	5.43	-6.93	1.56	0.00088	-4.20405531
-3.76	.85	-004120	9.72	6.66	-8.55	5.03	-6.63	1.46	0.00089	-4.71970987
-3.84	.48	-004110	9.72	5.77	-7.05	5.30	-6.39	1.66	0.0009	-6.41400337
-4.57	.04	-004100	9.87	4.44	-6.86	5.21	-7.15	1.12	0.00091	-6.11934376
-5.01	-.92	-004090	9.50	4.07	-8.67	4.86	-7.27	1.19	0.00092	-4.71970987
-2.29	-.41	-004080	7.88	4.52	-9.73	4.71	-6.51	.97	0.00093	-5.08803463
-1.04	-.63	-004070	6.26	4.37	-8.53	5.33	-5.46	1.07	0.00094	-5.45635891
-4.06	-1.52	-004060	7.37	5.70	-7.52	5.43	-6.59	.60	0.00095	-4.64604473

-5.82468367	-12.30719852	-10.61290455	-5.01436949	-7.29798269
-5.1616993	-13.19117832	-12.01253891	-2.80442119	-5.3090291
-6.63499832	-11.05489445	-13.26484299	-2.06777191	-3.5410707
-9.43426609	-8.99227619	-11.79154396	-3.09908104	-4.13039017
-10.31824493	-9.43426609	-10.31824493	-4.13039017	-3.24641085
-10.46557522	-10.98122978	-11.57054901	-2.14143682	-2.87808609
-7.4453125	-11.49688435	-11.79154396	-2.65709138	-3.24641085
-5.38269424	-11.34955406	-10.8338995	-5.751019	-5.01436949
-5.60368919	-11.20222473	-10.76023483	-7.00332308	-4.35138512
-8.84494591	-11.05489445	-11.57054901	-5.1616993	-3.39374065
-8.69761656	-10.90756512	-12.23353386	-5.01436949	-1.62578213
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-6.19300842	-7.81363726	-12.08620358	-2.65709138	-5.60368919
-7.07898774	-7.51897764	-9.7289257	-1.77311206	-6.78232813
-7.07898774	-9.80259037	-9.43426609	-3.98306036	-4.64604473
-7.51897764	-10.61290455	-10.8338995	-4.42504978	-3.68840051
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2.9157269	6.75617933	3.80198526	0.99550092	2.9157269
6.38890472	6.46075964	6.46075964	1.43862998	0.92164612
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1.43862998	5.2790823	6.60846949	2.32488823	-0.11232179
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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	7.64	-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	-2.86	.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	5.87	-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
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-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	-8.16	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
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-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	-3.88840051
-6.41	1.88	-004040	7.37	5.11	-8.55	5.25	-8.23	2.18	0.00097	-4.71970987
-5.68	1.73	-004030	7.07	5.26	-7.94	6.46	-7.27	2.05	0.00098	-5.751019
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2.69416237	9.72411537	6.43727827	-8.35384655	-6.07023335	5.84530258	1.75866771
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-0.77701545	9.28212547	3.03995538	-8.1328516	-6.26667356	5.45141029	0.77393639
-0.77701545	8.84013653	4.29548788	-8.3292923	-6.85599279	4.66362524	0.28157073
0.92164612	8.25081635	6.73289796	-8.86950111	-7.34709263	3.8512218	0.45389873
2.25103331	8.54547596	7.39739132	-8.84494591	-6.73321819	3.80198526	1.34015691
3.65427542	9.35579109	6.06800413	-8.47662163	-6.16845369	4.22049618	1.38939345
2.76801729	9.28212547	4.88632631	-7.51897717	-6.4385581	5.05751753	1.06935573
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2.17717862	9.28212547	4.88632631	-6.19300842	-6.16845369	4.95904446	2.47259808

-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	4.75	-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
-003400	-6.71	3.06	-5.82	9.55	-12.53	6.61	-11.50	3.95	-5.46	.77
-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
-003320	-4.65	3.14	-6.93	7.57	-11.50	6.17	-13.85	1.73	-6.63	2.69
-003310	-2.36	4.39	-8.77	6.31	-11.79	6.24	-10.10	4.10	-6.63	1.88
-003300	-3.54	2.92	-9.95	5.23	-12.31	4.17	-9.21	4.39	-4.43	2.77
-003290	-4.57	2.40	-10.32	5.72	-11.87	1.88	-11.57	2.62	-2.58	3.88
-003280	-4.79	2.62	-10.91	7.13	-10.91	2.92	-14.08	1.00	-4.43	3.06
-003270	-4.87	2.92	-11.64	6.83	-9.29	6.31	-12.68	2.32	-4.28	3.36
-003260	-5.53	2.32	-12.82	6.02	-8.77	7.49	-11.64	2.32	-4.57	2.62
-003250	-4.28	2.47	-10.91	6.39	-9.43	6.39	-10.83	1.88	-3.61	2.32
-003240	-3.10	1.22	-8.92	6.09	-10.32	5.35	-12.68	1.81	-4.28	1.88
-003230	-1.63	2.62	-7.89	5.43	-9.80	5.21	-13.71	5.28	-4.13	3.51
-003220	-3.03	3.65	-7.52	5.80	-8.99	4.98	-13.56	5.43	-4.50	3.06
-003210	-5.46	3.21	-6.56	7.86	-8.03	4.25	-10.47	4.61	-3.69	2.03
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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
-003170	-7.08	3.06	-8.92	4.84	-10.32	4.25	-12.09	4.02	-2.73	1.73
-003160	-5.01	1.66	-7.00	6.76	-11.05	3.36	-12.68	3.65	-5.16	1.00
-003150	-1.40	1.51	-6.86	6.45	-10.76	5.28	-11.20	3.65	-6.34	2.92
-003140	-3.10	1.29	-8.70	4.39	-10.32	5.80	-10.47	2.69	-5.75	4.98
-003130	-5.60	3.06	-8.84	3.95	-10.32	5.06	-10.91	1.88	-3.25	4.32
-003120	-5.24	3.58	-6.63	6.68	-10.24	6.24	-12.09	2.18	-3.10	.70
-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	-10.76	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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-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
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-5.09	-.48	-003400	9.72	3.19	-8.35	6.41	-7.35	1.41	0.00161	-7.81363726
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-.67	.63	-003380	8.84	3.93	-8.84	2.94	-5.68	1.54	0.00163	-1.55211723
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-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
-1.40	1.14	-003320	9.87	4.52	-7.69	5.62	-7.30	1.66	0.00169	-3.5410707
-3.25	.55	-003310	9.36	5.03	-7.64	5.65	-6.66	2.18	0.0017	-4.57237959
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-2.66	-1.81	-003270	8.03	5.77	-8.60	5.35	-6.54	1.29	0.00174	-4.27771997
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-4.65	-1.07	-003230	11.64	2.89	-6.44	4.42	-7.49	2.57	0.00178	-5.45635891
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-2.80	3.06	-003180	7.74	4.74	-8.82	4.32	-6.00	2.35	0.00183	-5.01436949
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1.06935585	3.94969487	4.68824339	0.99550092	3.43271089
4.76209831	6.23919535	6.9038887	1.58633971	1.95561397
4.61438847	7.93785667	8.52869511	3.13729167	0.478517
0.84779125	7.42087269	6.75617933	3.3588562	1.73404944
1.06935585	6.9038887	5.2790823	1.95561397	4.48667862
3.13729167	7.56858253	6.16534042	1.73404944	2.69416237
4.39282417	6.31305027	6.23919535	4.09740448	1.88175917
2.9157269	5.2790823	4.1712594	4.39282417	2.76801729
2.39874315	5.72221136	1.88175917	2.62030768	3.87583995
2.62030768	7.12545347	2.9157269	0.99550092	3.06343675
2.9157269	6.83003378	6.31305027	2.32488823	3.3588562
2.32488823	6.01763058	7.49472761	2.32488823	2.62030768
2.47259784	6.38690472	6.38690472	1.88175917	2.32488823
1.21706545	6.0914855	5.35293722	1.80790424	1.88175917
2.62030768	5.42679167	5.20522738	5.2790823	3.50656581
3.65427542	5.79606628	4.98386261	5.42679167	3.06343675
3.21114635	7.86400175	4.24511433	4.61438847	2.02946877
2.02946877	7.86400175	3.94969487	3.06343675	0.478517
2.9157269	5.57450151	5.42679167	3.43271089	-0.03846694
3.21114635	4.09740448	5.64835644	3.43271089	0.55237186
3.06343675	4.83595324	4.24511433	4.02354956	1.73404944
1.66019464	6.75617933	3.3588562	3.65427542	0.99550092
1.51248491	6.46075964	5.2790823	3.65427542	2.9157269
1.29092038	4.39282417	5.79606628	2.69416237	4.98366261
3.06343675	3.94969487	5.05751753	1.88175917	4.31896925
3.58042073	6.68232441	6.23919535	2.17717862	0.70008153
3.21114635	7.86400175	7.79014683	3.65427542	0.40466216
0.84779125	7.79014683	6.01763058	4.46667862	1.43862998
0.84779125	7.49472761	4.24511433	3.3588562	2.62030768
2.62030768	8.52869511	4.02354956	1.36477518	1.21706545
3.87583995	8.52869511	4.54053354	1.80790424	1.21706545
2.02946877	7.49472761	3.06343675	3.80198526	1.21706545
2.54545276	6.60846949	5.2790823	4.54053354	2.62030768
4.76209831	6.53461456	8.30713081	3.13729167	1.80790424
5.86992073	6.9038887	8.60255051	3.58042073	0.84779125
3.50856581	7.27316332	5.72221136	5.13137245	0.10924275

3.13729167	8.32448196	6.14185905	-6.38944817	-5.82468367	4.29435062	1.73404944
1.88175917	8.54547596	6.51113319	-8.40295696	-5.80012894	3.43271112	0.84779125
1.58533971	8.54547596	4.44319725	-9.67981529	-6.02112369	3.33423781	1.11859238
0.62522672	9.50312042	3.77850389	-7.69086218	-6.16845369	4.81133461	1.70943117
-0.03846694	9.87144566	4.81247187	-5.67735386	-6.41400337	5.57450151	1.19244719
-1.07243478	10.01877499	6.73299796	-6.04567862	-6.21756363	5.2790823	1.02011919
-0.62930572	10.01877499	6.14185905	-8.1328516	-6.16845369	3.65427542	1.29092026
-1.14828971	9.87144566	4.88632631	-7.61719751	-6.11934328	4.61438847	1.95561385
-1.95869303	9.72411537	5.32945538	-6.70866299	-6.16845322	6.21457672	1.70943117
-1.95869303	10.01877499	6.65884304	-6.90510321	-5.65279865	6.2638135	0.97088259
-0.03846694	10.38710022	5.77258492	-8.64850616	-5.99656868	4.46667862	0.28157067
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-0.48159602	9.72411537	3.18766499	-8.35384655	-7.34709263	6.41152287	1.41401172
-0.62930572	8.69280624	4.00006819	-8.08374214	-6.63499832	5.40217352	1.51248491
0.62522672	8.84013653	3.9252135	-8.84494591	-5.67735386	2.94034529	1.53710318
0.92164612	11.34474373	4.5909071	-7.98552227	-5.6282444	3.23576474	1.78328598
1.14321065	10.97641945	4.22163296	-5.82468367	-6.21756363	5.96839428	1.56172144
0.10924275	8.98746586	4.96018124	-5.60368919	-6.48766851	7.02697992	1.24168384
-0.18617664	8.91380119	5.32945538	-7.8873024	-6.36489344	5.00828123	1.63557637
0.10924275	10.16610527	4.14777803	-8.40295696	-6.58588839	4.41744232	2.17717838
1.14321065	9.87144566	4.51705217	-7.69086218	-7.29798269	5.62373829	1.85714078
0.55237186	9.35579109	5.03403616	-7.64175224	-6.65955305	5.64835644	2.17717838
0.99550092	9.87144566	5.32945538	-8.59939671	-5.55457878	4.12202263	2.71878076
-0.26003149	10.90275478	5.99414921	-8.91861153	-5.67735386	3.33423781	2.07870531
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-1.81098333	8.0298214	5.77258492	-8.59939671	-6.53677845	5.35293674	1.29092038
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1.06935585	9.20846081	4.3693428	-8.20651722	-5.13714409	5.08213568	1.75866771
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-1.07243478	11.6394043	2.89224553	-6.4385581	-7.49442244	4.41744232	2.57107115
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2.76801729	7.58783197	4.14777803	-7.69086218	-7.3225379	3.92507672	2.47259784
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1.73404944	10.90275478	3.33537459	-8.25562668	-5.89834881	4.02354956	2.64492607
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0.1830976	10.60809422	5.03403616	-6.61044312	-6.7577734	5.64835644	1.06935573
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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
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-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	-.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	5.65	-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	-6.76	8.90	-12.97	6.90	-12.60	-2.34	-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
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-1.18	-2.18	- .002760	10.39	5.85	-7.49	6.19	-6.14	.75	0.00225	-5.45635891
-2.22	-3.36	- .002750	10.02	5.99	-6.59	6.83	-6.17	.16	0.00226	-6.70866299
-3.76	-1.07	- .002740	8.03	5.11	-7.64	6.85	-7.15	.55	0.00227	-6.41400337
-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
-3.76	.77	- .002700	8.99	3.41	-6.95	7.27	-6.39	2.25	0.00231	-7.37164736
-3.98	.63	- .002690	8.25	4.59	-8.06	7.64	-6.39	2.10	0.00232	-4.35138512
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-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	-8.46	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	-8.64	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	8.68	-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	-10.61	5.43	-9.80	1.73	-12.09	3.14	-3.84	3.21
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-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	-6.62	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	6.78	-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	3.65	-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
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-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	-.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	-6.85599279
-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	-.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
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-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
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-2.14	.40	- .002270	11.05	5.55	-7.45	4.05	-6.98	1.64	0.00274	-4.71970987
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-3.47	1.73	- .002240	7.44	2.23	-7.91	4.98	-7.08	4.27	0.00277	-5.45635891
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-3.32	2.99	- .002220	8.99	5.40	-7.42	3.51	-7.47	3.38	0.00279	-4.49871492
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-2.66	3.65	- .002190	8.40	3.48	-7.52	4.89	-6.86	5.57	0.00282	-4.86703968
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-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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-1.70	4.17	- .002090	10.17	3.93	-8.13	5.38	-6.83	5.99	0.00292	-6.19300842
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-2.66	6.46	- .002040	8.99	2.30	-7.96	6.53	-7.25	5.99	0.00297	-5.1616993
-5.90	7.20	- .002030	10.39	3.56	-7.15	6.34	-6.83	6.26	0.00298	-3.98306036
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-0.77701545	9.13479614	5.84643936	-8.74672699	-5.33358431	3.43271089	0.62622672
-0.03946694	6.9248476	5.25590093	-8.96772099	-6.02112389	4.04616818	1.56172144
0.99550092	7.88249207	5.84643936	-8.37840176	-7.0033226	5.45141029	2.37412477
1.51248491	10.46076488	5.92029428	-7.27342796	-7.39620256	6.28843164	2.02946877
-0.03946694	10.90275478	6.14185905	-6.26667356	-6.92965794	6.28843164	1.88175917
-0.99857998	7.66149712	4.3693428	-7.15065289	-6.70866299	4.36820555	1.83252251
-1.29399931	8.0298214	5.25580093	-8.30473709	-6.61044312	2.98958182	1.6848129
-0.40774119	8.32448196	5.62487507	-8.72217178	-6.95421314	3.55580235	0.87240952
-1.07243478	9.20846081	7.17582703	-7.69086218	-6.80688266	6.18995857	1.11859238
-0.40774119	7.80882692	6.58498812	-7.66630745	-6.63499764	6.70694256	1.53710318
-0.92472512	8.69280624	7.02811718	-7.59264231	-6.11934376	5.69759274	1.31553864
-0.03946694	10.09243965	6.65884304	-7.78908253	-6.04567862	4.68824339	1.61095798
0.62930572	11.34474373	5.77258492	-7.42075729	-6.02112389	4.95804446	2.17717838
0.25895246	10.7554245	5.4033103	-7.37164736	-6.26667309	4.22049618	2.12794209
0.40466216	11.05008411	5.55102015	-7.4453125	-6.97876835	4.04816818	1.63557625
1.88175917	10.01877499	3.70464897	-8.1328516	-7.59264231	4.58977032	2.07870531
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1.88175917	8.25081635	4.51705217	-7.29798269	-7.10154247	4.31896877	4.14664125
2.98958182	8.98746586	5.4033103	-7.42075729	-7.46986723	3.50656581	3.38347435
2.62030768	11.05008411	6.14185905	-6.83143806	-6.85599327	4.09740448	3.3588562
2.76801729	10.01877499	4.66476202	-6.90510321	-7.15065289	5.1067543	3.77736688
3.65427542	8.39814663	3.48308444	-7.51897717	-6.85599327	4.88518953	5.57450151
4.98366261	8.10348701	3.33537459	-8.40295696	-7.12609768	3.65427566	6.43614149
4.61438847	10.23976994	5.55102015	-7.49442244	-6.73321772	3.97431326	6.87927055
4.98366261	11.78673363	5.84643936	-6.51222324	-6.51222324	4.83595324	5.9683938
5.42679167	12.59704781	5.62487507	-7.19976282	-6.58588791	5.03289938	5.42679167
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2.76801729	9.20846081	5.4033103	-7.66630745	-7.46986723	2.76801729	4.51591539
2.32488823	9.20846081	4.73861694	-7.46986771	-7.54353237	2.54645276	4.63900709
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-002010	-3.98	5.87	-6.63	5.80	-10.83	7.13	-12.45	6.76	-4.50	7.05
-002000	-4.65	6.31	-7.52	6.90	-10.02	6.31	-13.71	7.57	-6.56	6.17
-001990	-6.34	4.98	-8.70	7.72	-8.92	5.13	-13.41	6.90	-5.90	4.02
-001980	-6.93	2.84	-9.95	8.63	-10.91	3.29	-14.66	4.10	-4.13	2.92
-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
-001930	-5.38	6.31	-12.53	7.35	-12.68	4.84	-14.81	7.57	-4.43	7.79
-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
-001900	-5.60	5.28	-8.18	7.49	-10.10	2.69	-14.15	8.16	-3.84	2.47
-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
-001610	-7.30	6.39	-8.33	13.33	-13.71	11.04	-9.43	6.31	-3.54	1.66
-001600	-5.68	6.02	-9.73	13.77	-10.10	11.70	-10.91	6.02	-3.03	1.22
-001590	-3.98	6.24	-10.39	12.52	-9.58	11.34	-13.26	8.68	-4.57	1.59
-001580	-6.78	4.84	-10.39	9.78	-12.45	10.15	-14.74	7.94	-5.60	.85
-001570	-9.07	5.13	-8.70	10.30	-12.68	10.74	-11.72	5.87	-3.69	.40
-001560	-7.67	6.39	-7.22	12.59	-10.61	11.63	-10.02	4.91	-1.48	-.19
-001550	-3.98	7.94	-7.08	12.81	-8.77	11.41	-10.32	6.90	-1.70	.11
-001540	-4.57	6.46	-8.84	9.12	-9.43	10.01	-13.56	7.13	-3.98	.55
-001530	-6.12	5.57	-8.70	7.05	-10.32	9.71	-14.22	6.46	-4.72	2.40
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-5.01	3.73	-002010	7.66	6.44	-7.15	6.26	-7.32	5.85	0.003	-6.34033823
-6.34	2.92	-002000	6.19	4.74	-7.40	6.51	-8.87	5.55	0.00301	-6.92965794
-7.81	5.06	-001990	7.29	3.63	-7.99	5.94	-9.04	5.33	0.00302	-5.01436949
-6.78	6.31	-001980	8.99	3.93	-9.26	4.93	-8.53	4.44	0.00303	-6.19300842
-5.38	5.43	-001970	8.55	4.30	-8.84	6.02	-7.08	5.53	0.00304	-8.69761658
-4.43	6.24	-001960	8.62	3.04	-8.87	6.68	-7.59	6.73	0.00305	-8.77128124
-6.05	7.27	-001950	10.90	2.97	-9.83	6.46	-9.14	7.08	0.00306	-5.38269424
-5.82	7.27	-001940	11.34	3.04	-11.40	5.25	-9.63	6.81	0.00307	-4.71970987
-5.38	4.84	-001930	11.42	5.33	-10.20	6.17	-8.21	6.73	0.00308	-5.23536444
-4.65	3.80	-001920	8.77	5.55	-8.45	6.61	-7.72	5.21	0.00309	-5.60368919
-7.08	4.25	-001910	8.25	6.29	-7.74	5.85	-7.96	4.64	0.0031	-5.01436949
-6.63	7.64	-001900	8.10	5.11	-7.96	5.16	-8.21	6.09	0.00311	-5.751019
-5.16	9.19	-001890	9.58	3.93	-7.91	6.83	-7.47	7.54	0.00312	-4.86703968
-4.72	8.97	-001880	9.87	3.26	-7.76	8.55	-7.54	6.76	0.00313	-3.83573031
-7.59	6.68	-001870	10.02	4.07	-7.00	8.82	-7.69	6.41	0.00314	-4.27771997
-6.19	7.42	-001860	9.13	4.30	-7.62	6.39	-8.50	6.66	0.00315	-6.63499832
-5.01	6.39	-001850	9.43	4.81	-8.50	5.72	-8.84	6.39	0.00316	-7.22431755
-5.60	5.72	-001840	7.96	4.22	-9.75	6.93	-8.30	5.55	0.00317	-7.29798269
-8.18	6.17	-001830	7.96	5.11	-9.41	8.85	-7.05	6.17	0.00318	-6.34033823
-7.08	9.56	-001820	6.92	4.66	-9.14	8.50	-6.93	7.49	0.00319	-6.04567862
-6.19	9.27	-001810	8.84	5.55	-9.14	8.06	-7.76	7.47	0.0032	-6.41400337
-5.46	7.57	-001800	8.55	6.14	-8.50	9.49	-8.43	7.17	0.00321	-8.84494591
-5.31	6.61	-001790	7.66	5.77	-7.81	11.75	-7.74	7.59	0.00322	-9.36060143
-5.24	7.64	-001780	7.81	4.89	-9.34	10.70	-7.42	7.10	0.00323	-9.50793076
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-4.20	5.94	-001740	6.41	4.89	-10.22	10.62	-7.81	5.23	0.00327	-5.751019
-3.76	7.20	-001730	7.00	5.92	-9.58	9.93	-5.82	6.53	0.00328	-4.57237959
-4.50	5.35	-001720	7.22	6.14	-8.43	10.57	-6.14	4.98	0.00329	-5.89834881
-6.56	.48	-001710	8.25	7.40	-7.69	11.98	-6.98	2.84	0.0033	-5.67735386
-4.28	1.14	-001700	7.96	7.69	-9.09	11.19	-6.78	2.57	0.00331	-5.82468367
-2.44	3.88	-001690	9.13	9.10	-9.48	10.72	-5.73	3.68	0.00332	-6.34033823
-3.10	4.98	-001680	10.17	9.17	-8.80	10.18	-7.18	3.41	0.00333	-7.96096706
-5.46	2.18	-001670	11.27	9.24	-8.48	9.73	-7.57	3.68	0.00334	-6.70866299
-5.31	1.29	-001660	11.05	8.65	-9.61	9.66	-6.91	3.88	0.00335	-4.71970987
-5.09	1.29	-001650	10.61	8.95	-9.09	11.73	-6.46	3.48	0.00336	-4.49871492
-3.47	2.62	-001640	7.66	8.87	-8.06	12.98	-7.00	3.58	0.00337	-7.00332308
-4.20	1.29	-001630	6.92	9.39	-8.33	12.05	-7.25	4.86	0.00338	-7.29798269
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-1.48	3.29	-001600	7.07	9.10	-8.50	10.50	-5.14	3.51	0.00341	-6.78232813
-4.28	2.92	-001590	7.81	11.02	-7.99	10.03	-7.37	4.39	0.00342	-9.06594086
-5.31	4.10	-001580	10.76	11.46	-9.88	8.26	-8.55	4.29	0.00343	-7.66630745
-4.87	7.13	-001570	11.71	9.98	-10.15	8.73	-6.76	4.47	0.00344	-3.98306036
-4.43	8.90	-001560	10.68	9.83	-8.50	10.20	-5.31	4.54	0.00345	-4.57237959
-5.97	7.35	-001550	10.02	11.83	-6.61	10.72	-6.00	4.79	0.00346	-6.11934376
-7.00	4.47	-001540	8.62	12.42	-7.62	8.53	-8.18	4.05	0.00347	-6.48766804
-6.19	2.92	-001530	8.25	11.16	-8.38	7.45	-8.38	3.93	0.00348	-5.3090291
-4.72	2.77	-001520	7.44	9.10	-8.40	7.79	-7.81	2.96	0.00349	-5.38269424
-4.57	2.92	-001510	8.47	9.98	-7.91	8.41	-6.46	2.92	0.0035	-5.45635891

-8.69761656	-8.91861153	-13.41217232	-5.89834881	-7.81363726
-9.94992065	-10.90756512	-14.66447639	-4.13039017	-6.78232813
-8.55028629	-12.97018337	-14.14882183	-1.69944715	-5.38269424
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-8.99227819	-11.64421368	-14.51714706	-3.98306036	-4.64804473
-7.51897764	-10.46557522	-13.5595026	-3.24641085	-7.07698774
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-7.81363726	-10.90756512	-13.70683289	-3.5410707	-5.1616993
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-8.55028629	-10.61290455	-11.20222473	-5.82468367	-5.23536444
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-9.06594086	-13.1175127	-12.45452881	-2.87808609	-5.60368919
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-8.18196201	-12.38086319	-12.97018337	-1.3311224	-5.08803463
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-7.22431755	-10.61290455	-10.02358532	-1.47845232	-4.42504978
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-7.37164736	-11.34955406	-14.07515717	-4.64604473	-4.71970987
-6.78232813	-11.64421368	-12.82285309	-1.99410689	-4.57237959
-10.46557522	-11.34955406	-12.52819347	-1.3311224	-3.39374065
-11.79154396	-10.46557522	-12.15986919	-0.74180287	-3.17274594

4.98366261	7.71629238	5.13137245	6.9038887	4.02354956
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3.80198526	10.4489212	3.80198526	4.98366261	6.16534042
5.50064659	8.23327637	6.31305027	6.9038887	7.05159855
6.0914855	5.35293722	7.93785667	7.56858253	6.38690472
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6.31305027	7.34701777	4.83595324	7.56858253	7.79014683
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6.16534042	9.04567909	5.2790823	8.8979702	4.54053354
6.68232441	10.89205074	8.08556652	7.93785667	3.3588562
7.86400175	11.33517933	7.27316332	8.52869511	4.02354956
6.31305027	8.75026035	4.09740448	8.45484066	4.09740448
4.39282417	7.12545347	5.64835644	8.52869511	4.24511433
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7.86400175	10.59663105	13.62488052	10.5227766	3.13729167
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7.05159855	12.29529285	11.18747044	6.83003378	1.80790424
7.71629238	14.51093864	13.10769653	6.46075964	2.54645276
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7.56858253	12.88613129	11.26132486	5.42679167	4.1712594
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6.23919535	12.51685715	11.33517933	8.67640495	1.58633971
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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	8.68	-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	-13.26	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	.92
-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
-001030	-6.63	1.73	-5.90	7.27	-10.69	6.31	-12.53	4.69	-5.46	-3.21
-001020	-6.05	2.99	-5.90	7.49	-13.04	3.88	-14.15	3.36	-4.06	-1.96
-001010	-4.06	3.51	-6.49	7.64	-11.35	4.54	-13.56	3.95	-3.47	-.19
-001000	-4.50	2.03	-8.55	4.84	-8.99	5.35	-13.26	5.13	-5.46	-2.70

-3.39	4.69	- .001500	8.10	11.02	-9.07	6.95	-5.75	3.21	0.00351	-6.70866299
-3.17	4.39	- .001490	8.03	11.02	-9.24	6.61	-5.36	3.33	0.00352	-6.19300842
-2.80	4.54	- .001480	6.78	8.21	-8.92	7.13	-5.95	2.50	0.00353	-5.82468367
-4.57	3.80	- .001470	7.74	8.73	-7.49	8.13	-6.07	2.72	0.00354	-5.53002405
-5.16	1.81	- .001460	9.13	11.46	-7.81	7.32	-7.08	2.40	0.00355	-5.01436949
-5.46	-.63	- .001450	9.13	12.49	-8.38	6.78	-7.30	2.20	0.00356	-4.57237959
-4.43	1.22	- .001440	6.56	9.83	-7.91	7.30	-7.25	2.20	0.00357	-6.78232813
-6.56	2.47	- .001430	6.92	9.76	-7.08	8.85	-7.72	2.94	0.00358	-7.81363726
-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
-3.98	1.59	- .001380	8.99	10.28	-8.43	7.03	-6.63	1.07	0.00363	-6.63499832
-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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-4.13	.77	- .001350	8.10	5.18	-6.63	8.43	-7.00	1.29	0.00366	-5.67735386
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-0.11232179	7.58783197	5.03403616	-7.73997259	-7.46988723	5.1067543	0.4538987
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1.21706545	10.46076488	7.17582703	-7.29798222	-7.00332308	5.22984552	1.66019452
3.65427542	9.28212547	4.44319725	-7.34709263	-7.02787781	4.07278633	2.02946877
3.72313034	9.28212547	4.29548788	-7.56808758	-6.68410778	3.87583995	2.57107115
4.90980816	8.84013653	4.88632631	-8.18196201	-6.56133318	3.8512218	2.91572714

-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	-9.86	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	8.68	-9.58	5.13	-4.06	-1.96
-000830	-4.57	3.95	-9.36	6.90	-9.56	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	-7.67	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
-000720	-7.74	4.17	-7.81	8.68	-11.35	10.45	-12.68	2.25	-2.95	-.63
-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
-000670	-6.86	6.17	-9.07	8.23	-14.59	7.86	-10.54	-.85	-1.48	-2.55
-000660	-5.16	5.43	-9.43	7.64	-14.44	7.27	-10.76	-1.96	-.67	-2.77
-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
-000610	-4.20	3.36	-7.81	6.98	-12.60	7.49	-12.01	-.48	-.15	-2.03
-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
-000560	-4.87	1.22	-8.99	9.19	-13.78	6.24	-12.38	2.77	-2.36	-8.90
-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
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-000520	-7.96	12.07	-11.50	19.83	-12.68	12.66	-11.35	2.77	-4.72	4.47
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-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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-4.57	2.84	- .000970	10.39	6.66	-7.76	4.27	-7.03	2.25	0.00404	-1.92044199
-5.75	1.81	- .000960	9.36	6.51	-7.42	3.78	-8.26	1.24	0.00405	-2.87808609
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-5.01	4.39	- .000940	8.25	8.73	-7.35	5.13	-7.08	2.20	0.00407	-7.37164736
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-1.55	2.77	- .000920	9.36	9.91	-7.74	5.82	-5.28	.50	0.00409	-3.68840051
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-4.13	3.21	- .000880	11.27	8.65	-9.61	6.21	-6.24	1.51	0.00413	-7.66630745
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-4.43	-2.40	- .000810	8.99	3.93	-7.42	5.67	-6.41	1.76	0.0042	-3.90939546
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2.69416237	8.97182465	8.8241148	4.24511433	0.03538791
6.01763058	8.52869511	8.45484066	4.09740448	-0.11232179
6.16534042	7.79014683	5.86992073	2.17717862	1.29092038
6.16534042	8.23327637	6.16534042	2.25103331	1.58633971
7.1993084	8.08556652	9.11953449	1.21706545	-1.38785424
7.79014683	7.93785667	10.15350246	0.84779125	-1.14628971
4.98366261	7.64243746	9.85808277	-0.48159602	0.25695246
3.65427542	9.04567909	10.00579262	1.58633971	0.99550092
4.1712594	8.67640495	10.4489212	2.25103331	-0.62930572
6.75617933	8.97182465	7.93785667	1.73404944	-1.22014451
6.83003378	9.19338894	6.23919535	-0.77701545	-0.62930572
6.01763058	9.85808277	6.46075964	-0.92472512	0.25695246
5.42679167	8.97182465	7.86400175	-0.77701545	-1.22014451
6.16534042	8.23327637	7.86400175	-0.85087025	-2.5495317
5.42679167	7.64243746	7.27316332	-1.95869303	-2.77109623
5.50064659	7.79014683	7.71629238	-1.66327357	-1.7371285
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3.65427542	5.50064659	7.27316332	-0.62930572	-10.52585506
3.3588562	6.97774363	7.49472761	-0.48159602	-2.03254795
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1.21706545	8.23327637	5.57450151	0.3308073	-3.95277381
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4.39282417	3.94969487	4.09740448	2.62030768	2.9157269
12.07372856	11.18747044	4.39282417	2.9157269	7.93785667
12.07372856	19.8284874	12.68456699	2.76801729	4.48667862
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-1.22014451	9.13479614	1.85827768	-10.04814053	-7.68630745	6.8546524	0.87240952
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2.98958182	7.66149712	4.81247187	-9.13960648	-5.8737936	7.49472761	0.92164612
3.21114635	7.36683702	5.25560093	-8.86950111	-6.02112369	7.56858253	1.9309957
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2.62030766	10.60809422	4.96018124	-8.74672604	-6.19300842	7.42087269	0.40466216
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-000480	-8.48	6.31	-9.95	12.07	-7.96	1.59	-10.61	3.21	-4.35	-7.42
-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
-000390	-1.04	-10.53	-2.14	-1.81	-9.58	.33	-11.05	-10.45	-2.80	6.83
-000380	-7.08	-9.05	-8.59	-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
-000340	-4.13	-1.81	-7.81	-12.08	-6.49	-13.63	-9.43	1.00	-6.34	-2.11
-000330	-1.55	2.69	-6.05	-10.23	-6.49	-15.10	-7.59	7.27	-3.54	-3.73
-000320	.29	-7.50	-2.51	-7.79	-7.00	-3.73	-5.90	9.27	-4.43	-1.22
-000310	-3.54	-18.50	-1.40	-5.36	-7.22	3.95	-6.27	7.49	-5.60	2.25
-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
-000280	3.09	2.25	-10.17	7.64	-7.00	4.69	-12.38	9.12	-2.22	-.48
-000270	8.54	-10.90	-4.57	5.13	-5.38	6.53	-13.26	8.09	-2.66	-1.96
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-000250	-6.63	-8.68	-4.13	-7.57	-5.31	-5.06	-10.76	1.51	-2.95	4.84
-000240	-9.43	6.46	-7.52	-10.53	-8.55	2.18	-11.35	-3.36	-3.84	6.24
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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
-000180	-13.49	14.14	-12.38	10.30	-15.77	-18.35	-18.35	-6.69	-7.96	.11
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-000140	-10.91	5.13	-7.37	11.04	-17.83	7.57	-9.36	-3.95	-5.90	7.20
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-000110	-3.98	7.05	-9.88	29.36	-8.26	20.86	-5.16	13.11	-1.11	5.57
-000100	2.06	-2.70	-1.55	7.27	-7.67	20.86	-2.07	15.18	1.91	10.82
-000090	12.37	-16.43	3.53	.40	-5.31	21.38	3.46	16.36	6.40	21.45
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-000070	23.42	7.79	13.48	33.34	12.96	20.12	10.46	27.14	12.96	32.09
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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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-000030	62.17	23.23	56.57	46.19	56.05	23.67	51.27	34.53	61.87	40.21
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-2.44	-2.40	- .000480	8.69	6.88	-8.80	6.66	-5.80	-2.20	0.00453	-2.14143682
-3.61	-5.36	- .000470	7.07	4.66	-9.19	17.64	-6.51	-5.41	0.00454	-0.00515347
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-2.14	-6.98	- .000380	9.58	5.18	-8.84	-8.31	-5.87	-.88	0.00463	-5.67735386
-1.70	-10.45	- .000370	9.87	6.58	-10.34	-2.80	-6.00	.38	0.00464	-3.98306036
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-.30	-7.35	- .000350	14.00	5.55	-5.63	-4.35	-5.53	-1.27	0.00466	-1.55211723
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-3.25	9.19	- .000170	18.42	16.63	-11.96	9.51	-7.76	-.21	0.00484	-6.19300842
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6.62	.55	- .000100	27.11	.01	-2.39	8.48	2.16	8.85	0.00491	20.91568947
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13.70	6.90	- .000080	28.58	11.68	9.84	8.38	9.52	18.72	0.00493	26.07223511
17.16	4.54	- .000070	35.21	22.09	16.62	20.42	13.52	21.26	0.00494	37.56396484
24.45	6.61	- .000060	42.65	37.68	24.06	23.87	21.04	22.36	0.00495	51.78129959
32.41	13.92	- .000050	47.96	46.76	34.59	22.19	31.60	24.26	0.00496	62.16805649
44.05	23.89	- .000040	53.04	43.81	46.45	24.60	43.21	28.27	0.00497	69.97653961
57.31	27.73	- .000030	62.84	43.44	58.26	31.03	56.82	34.16	0.00498	84.56220245
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	000060		195.94	52.18	173.70	64.36	177.90	60.67	159.04	71.97	177.38	56.83
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	000090		255.17	77.80	263.27	83.71	255.17	113.40	256.64	91.62	272.85	103.28
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	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
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	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
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	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	533.92	155.80	529.87	187.85	658.19	218.42	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
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	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
	000340		631.38	158.82	598.23	162.44	574.43	191.69	846.70	279.80	844.27	268.05
	000350		589.02	159.78	601.54	163.55	587.55	187.41	831.01	284.45	845.08	252.47
	000360		570.01	178.69	599.77	171.90	600.81	188.37	845.30	282.01	858.12	240.43
	000370		598.89	199.81	607.14	174.92	605.59	188.14	883.46	276.33	879.48	244.20
	000380		640.44	210.82	617.75	174.78	609.35	183.20	907.47	277.51	886.77	260.15
	000390		648.91	211.85	616.72	176.25	614.66	178.91	906.81	287.70	884.12	275.14
	000400		619.66	207.79	603.16	176.33	611.56	183.86	899.00	291.39	884.12	271.90
	000410		594.54	209.71	598.30	184.67	600.51	197.01	897.82	279.35	884.71	255.57
	000420		597.93	214.66	602.80	200.55	596.83	207.49	889.87	258.90	875.28	239.55
	000430		613.99	206.68	607.58	211.48	600.22	208.82	869.54	247.67	865.41	229.43
	000440		614.80	180.61	607.29	208.60	601.98	199.89	850.82	245.38	858.93	216.80
	000450		606.11	164.66	610.53	205.06	603.31	184.89	845.37	239.10	852.15	201.29
	000460		602.28	173.23	618.12	204.39	610.97	183.42	836.39	221.75	836.09	193.17
	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
	000500		570.60	212.29	577.16	166.28	594.99	181.79	731.05	163.18	715.87	174.04
	000510		553.86	211.04	571.19	153.43	567.58	180.83	723.38	159.93	685.67	162.00
	000520		547.18	200.18	563.97	147.01	559.70	178.54	682.50	164.66	669.39	169.98
	000530		549.61	185.41	550.12	164.88	562.35	169.16	630.79	173.52	653.77	184.67

129.94	51.22	.000030	203.76	74.09	151.18	42.55	129.62	56.51	0.00504	185.4831696
142.54	63.18	.000040	203.46	66.85	163.21	43.22	141.53	63.38	0.00505	195.9435883
154.18	67.83	.000050	205.30	70.03	172.47	49.44	152.26	66.01	0.00506	208.1719666
171.78	70.79	.000060	208.18	90.48	182.51	59.07	169.40	66.53	0.00507	225.1148987
200.58	79.65	.000070	215.10	118.25	202.52	73.18	200.98	74.58	0.00508	255.1701965
236.82	95.75	.000080	246.04	131.55	230.25	85.93	237.66	89.03	0.00509	288.3930969
271.97	106.09	.000090	311.53	130.37	257.87	91.64	267.15	100.33	0.0051	306.5883179
295.54	108.23	.000100	388.21	132.58	278.60	93.19	288.25	104.49	0.00511	315.2807922
314.40	109.27	.000110	446.12	139.97	293.82	99.12	308.36	109.81	0.00512	337.8222656
336.79	119.75	.000120	488.10	147.65	307.57	104.86	329.67	119.51	0.00513	368.3195496
356.46	131.13	.000130	527.37	152.82	325.10	103.80	351.45	128.12	0.00514	385.2624817
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
491.49	127.88	.000180	746.82	293.44	418.36	146.83	481.44	143.02	0.00519	477.7856445
519.33	153.28	.000190	837.72	296.83	442.92	146.17	515.70	162.91	0.0052	481.8372192
552.85	188.22	.000200	889.58	265.74	467.03	141.05	556.14	187.26	0.00521	493.6236267
591.45	199.37	.000210	918.16	236.27	479.06	143.71	592.68	202.52	0.00522	518.0067139
623.35	190.80	.000220	981.44	250.01	488.00	157.54	612.45	207.84	0.00523	537.6752319
643.09	187.55	.000230	1071.97	290.56	508.85	172.24	626.59	212.81	0.00524	549.2406616
666.81	199.52	.000240	1137.83	319.06	533.82	175.10	656.91	218.37	0.00525	560.585022
700.70	210.08	.000250	1172.23	335.53	549.71	169.14	703.00	217.49	0.00526	577.5279541
751.82	211.19	.000260	1220.63	365.08	559.31	163.08	749.76	209.98	0.00527	590.3457031
802.80	203.87	.000270	1304.83	392.70	571.39	160.62	783.18	203.92	0.00528	598.8171387
827.77	201.66	.000280	1403.69	386.35	582.56	157.54	798.25	203.58	0.00529	604.2683716
821.29	212.66	.000290	1481.11	351.19	592.29	156.07	797.30	212.15	0.0053	614.5078125
811.93	234.67	.000300	1514.70	309.98	596.48	160.57	791.45	228.44	0.00531	634.765625
820.03	256.61	.000310	1515.07	277.56	594.37	173.79	803.11	250.48	0.00532	650.0142822
841.62	275.07	.000320	1513.52	276.01	595.08	184.60	831.45	269.51	0.00533	631.3770752
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
902.83	291.69	.000400	1400.37	320.39	611.46	189.33	895.32	284.99	0.00541	597.9331665
901.21	270.79	.000410	1344.31	344.25	597.79	197.13	894.58	268.57	0.00542	613.9921265
897.68	249.22	.000420	1307.70	342.55	599.19	207.57	887.61	249.22	0.00543	614.8024292
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
821.73	193.39	.000470	1035.51	110.42	615.93	196.49	814.24	198.04	0.00548	590.7139893
792.78	189.18	.000480	1028.29	66.04	614.04	198.43	780.82	193.19	0.00549	570.6034546
755.28	180.32	.000490	999.19	106.73	601.35	192.70	748.16	183.47	0.0055	553.8815308
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
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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	193.1904297
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	530.80	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	478.96	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	208.31
	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	416.96	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	396.01	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	238.66	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	188.06	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	165.32
	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	208.86	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		182.96	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	248.56	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	71.80	71.67	-4.81	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	288.17	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
224.80	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	277.2696838	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
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236.6802979	227.8405151	170.5291901	190.8607025	197.8588715
229.5348053	237.3432922	184.3045349	195.3542633	191.2290344
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205.2253723	234.1020355	178.9269867	183.125885	186.0724945
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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
195.2337494	645.3052368	137.46578	443.8506775	394.1268311	194.2243958	213.8697968
191.7625732	610.3143921	162.7141419	425.8027649	365.8395081	203.727066	214.7806702
186.37117	592.0454712	190.4097138	408.8598328	339.6393433	208.3306732	210.3986206
192.2057037	580.1854248	203.8512678	399.7990418	313.2181702	200.9451904	208.5522461
212.8850555	580.3327637	188.1940613	398.0556335	285.6429138	185.9280396	215.199173
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
232.456804	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
250.4771729	516.6125488	354.7367554	326.2814331	219.148056	192.8457794	235.6077271
220.0489807	498.3436585	263.3782959	316.3612061	204.0958405	195.9723053	215.0514679
200.5513001	503.2792053	167.588562	308.1598511	179.8109741	203.0131378	202.7669525
202.323822	511.0877075	138.5635986	301.8246765	163.3100128	207.9614105	204.2686615
219.6058502	493.1134644	159.9815064	295.5877075	164.5623322	206.484314	213.7713165
225.071106	460.3325501	160.1292114	284.3415222	177.8220215	200.6743927	217.488678
204.8348846	438.012085	112.1974182	267.0302734	188.6753062	191.5410156	204.2686615
174.5543976	419.7431641	49.27309036	251.3150635	192.5058899	181.0043945	184.5001831
159.783432	394.770752	26.378088	240.2407837	191.0080414	173.3727264	170.3939056
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	285.41	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	325.18
	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	141.65	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	68.65	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	125.77
	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	118.57	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
	001400	40.51	67.32	45.89	92.21	24.23	70.35	64.82	103.95	22.98	59.41
	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	-26.13	27.69	3.29	3.31	20.94	18.56	36.45	19.00	57.35
	001520	-4.20	-4.62	21.80	6.90	-8.9	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	346.37	31.10	27.52	14.41	34.76	38.34	0.0065	9.79228401
41.10	10.30	.001500	346.37	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
18.56	38.29	.001550	348.88	72.32	-15	4.86	16.03	47.45	0.00656	-18.56871796

120.0687027	143.7888184	212.0025482	253.2549133	263.273346
129.3504791	170.4555206	198.0062103	236.6066437	247.8037109
158.8901215	202.2051086	187.9141083	222.8312988	229.2401428
187.1774597	219.8846893	173.6967773	211.9288788	216.7171021
198.8901825	217.4537506	156.6801758	206.2566834	204.0467377
197.4905546	207.9509735	141.6525269	200.5844879	188.4297638
201.1001282	203.1627502	132.0760803	188.8717499	169.4242096
215.3911285	207.9509735	124.6359253	166.9932709	151.7446289
223.6418016	211.1185608	113.0705338	147.6193848	132.2970734
211.4132233	204.2677307	96.12759399	135.0226898	114.6174927
193.2916565	189.1664124	84.12020674	125.7408981	100.9158173
184.8201904	175.906723	79.25832367	110.7869186	91.19204712
182.9785614	168.3928986	74.83842468	92.518013	79.33198547
178.1166687	167.435257	66.65057373	74.54376984	69.90287781
167.65625	167.65625	63.1257019	65.40931702	64.08334351
152.6288011	165.9619598	53.6229248	65.99863434	60.47376251
137.9692841	159.9214325	43.23616791	67.91392517	51.56030655
128.6138306	152.1129456	37.49030304	60.69475937	37.7849617
121.3210068	138.5585938	39.47925568	49.20302582	25.26192093
105.2620468	115.796135	37.41663742	38.88993454	20.47369957
81.91026306	87.28780365	25.04092598	33.65972519	19.73705101
60.40009689	65.48297882	7.65600061	28.06118965	21.0630188
45.22512054	54.5069046	2.86777925	21.87333488	18.11642265
33.80705261	47.95072174	4.85673285	17.37977219	12.73888111
31.37611196	39.03726578	-1.11012757	17.08511353	3.97275329
36.82731628	32.62841415	-10.53923988	12.14956188	1.02615571
43.60449219	29.46082306	0.58416605	11.04458809	5.66704702
44.26747513	32.11276245	26.51422501	17.23244286	16.20113373
45.22512054	35.20668793	42.20485687	24.08328247	24.15694809
47.7297287	33.88071823	41.76296697	24.30427742	28.2821846
45.81443787	28.50317955	41.76296697	26.51422501	26.36689568
38.88993454	27.98752403	49.79234695	26.36689568	25.9985714
38.00595474	27.17720985	60.10543823	22.68364906	28.35584831
45.88810349	24.2306118	64.81999207	22.97830772	32.84941101
51.11831665	23.56762695	64.15701294	32.11276245	32.92307663
47.2377386	30.19747162	64.30433655	38.30061722	32.62841415
43.89915085	39.6265831	64.59899902	41.68920135	33.14406867
46.403759	44.78313065	59.36878967	44.12014771	35.50134659
49.20302582	39.33192444	53.32826233	49.42402267	39.77391434
47.87705994	30.12380791	49.42402267	49.64501572	46.10910034
43.89915085	24.89359665	45.74077606	44.34114075	48.1717186
38.30061722	26.14590073	38.2269516	36.23799896	46.91941452
33.36506653	24.30427742	30.34480286	29.90281296	44.04648209
30.19747162	15.02249432	22.97830772	23.71495819	41.09988403
27.69286346	3.30976892	18.55841255	19.00040054	39.25825882
21.79968927	-0.88913274	15.1698246	15.46448421	40.65789413
15.39081955	-0.15248336	-0.7278347	16.34846306	36.60632324
10.16060829	-0.29981324	12.66521645	18.11642265	27.10354424
4.41474295	-4.79337454	10.01327896	19.51605606	18.55841255
-4.64904473	-9.21327114	12.22322655	19.88438034	22.09432793
-12.52819347	-11.79154396	19.51605606	22.16799355	29.75548172

195.1598969	193.8305054	254.6130524	394.1987305	411.4807434
262.3677979	223.4463043	270.0487061	389.1765747	400.3286743
306.9022827	256.237854	296.7103272	359.1915283	363.3273926
313.7707825	273.9630127	316.3557129	318.1282349	326.1784058
306.0160217	277.8034668	314.4354858	286.370636	310.9642944
311.4312927	285.7797852	309.5610657	271.0088196	301.2893066
334.3762817	309.4133606	321.082428	256.0162964	283.711853
346.9316101	327.5816345	337.7736206	223.1508789	266.4298401
331.7174988	312.958374	329.2064514	184.8940735	251.0680237
302.9879761	274.1846008	301.6585999	165.5440979	220.7875366
285.3366699	246.2674561	263.2687378	166.4303589	187.257431
274.4061585	248.4092407	287.9954529	168.2028809	170.8616486
263.475647	271.1565247	301.2893066	161.4082336	167.3166199
250.1079102	281.7177734	297.5227051	145.3078766	152.0286713
231.4226227	255.351593	264.9527283	129.65065	129.2075195
205.9427033	213.2543335	228.8377075	121.5266113	119.8063843
197.6709595	191.5410156	215.986969	122.560585	126.844162
209.8570099	190.3593292	223.8894348	124.4808044	130.1676331
220.7875366	187.8482666	229.0592804	123.5945511	126.7703095
204.8348846	178.8379822	216.7255096	117.6123047	125.3670654
161.9990692	170.270813	191.8364258	112.5901794	131.7185822
125.8101959	164.8055573	171.5283519	114.4365463	134.2296448
129.502945	160.3742676	163.7715912	124.6285172	132.9002533
145.7510071	152.7672119	159.4880066	130.2414856	132.9741211
135.0420532	145.5294342	149.2960358	125.6624832	136.2237244
110.0052567	139.9164734	139.4733429	118.5724182	132.9741211
109.3405609	136.6668549	133.0479736	123.2991333	127.2872925
121.6004715	134.2296448	128.3951111	130.6846161	121.674324
116.3567734	133.1218262	117.5384522	122.560585	115.9136429
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86.74098206	117.9815826	92.13238525	81.71884918	86.15013885
89.17819214	106.9033508	87.99651337	88.21807861	67.53871918
84.96846771	99.2963028	82.08812714	107.5680466	59.48854065
67.31715393	92.20623779	70.34520721	103.9491577	59.41468811
52.39847565	80.9803009	58.45457458	65.2492218	56.38663864
45.0968454	65.69234467	60.22708693	28.764925	46.41623306
39.54773331	53.28473282	68.79425049	28.6172142	43.68360519
26.99240685	46.41623306	56.38663864	45.97310257	56.0173645
13.92009926	34.37789154	22.04413223	53.94942856	65.69234467
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7.27316332	3.80198526	24.99832726	55.94350815	23.89050484
5.79806628	8.8241148	42.50192642	57.19903946	28.48950531
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-4.6174874	6.9038887	26.84469795	42.13265228	49.51813507
13.55082512	10.7443409	31.57140923	47.89332962	47.00707245
9.11953449	1.58633971	32.08839417	49.88740921	48.77958679
-3.73120928	-11.11669445	29.42961693	53.72786331	50.3305397
-9.63959694	-12.00295258	23.89050484	57.5683136	46.26852417
-6.24227428	0.99550092	16.50501823	58.67613602	42.20650462

432.3078306	420.9954834	244.7688762	134.0159302	242.8435974	214.5344849	412.6624451
431.6431274	401.3269348	245.8746948	153.5125885	227.4721832	251.9542694	407.049469
400.2548216	378.0488281	253.4817505	183.6906586	213.3285217	286.6168213	374.2579041
359.560791	376.0598755	242.3296661	209.0313873	200.7809143	301.3631592	334.622467
328.1724854	383.3526917	213.4524231	218.6815033	188.9945374	299.418335	308.5024719
308.6009522	380.5534363	184.6490326	215.2929077	176.8889313	302.2740479	293.6330261
282.5301819	373.1132813	151.8574829	211.2658997	163.4573517	321.6240234	274.0861206
244.864212	381.6584168	115.7424545	213.7459412	147.791275	337.4289551	244.8149719
207.7152252	394.4761047	89.2285614	216.5697632	130.9956665	324.6274414	214.5591126
189.4730682	398.0856934	94.10298157	209.7680359	115.255928	292.9437256	191.934906
187.7744141	395.1390991	116.3332901	195.9927063	103.592308	271.6242981	180.4873962
185.1156464	400.4429627	129.1840363	182.8312378	93.74576569	270.2702942	174.7267304
161.9990692	409.0617676	116.5548554	175.9558411	82.22947693	278.6405029	163.574646
131.6447296	408.1777954	86.49593353	173.0583496	71.03240967	276.4494629	142.9937592
114.584259	396.3177185	53.187397	168.0736847	64.20612335	250.5756531	124.4808121
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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
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58.09121704	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
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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	6.43	-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	-1.86	-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	-10.16	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	-29.53	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	-7.58264231
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
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24.16	46.79	.001800	325.89	78.52	-15.97	9.83	18.95	40.78	0.00681	-19.82102203
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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	-20.89966624
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
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29.90	23.15	.001890	301.88	130.22	-13.81	31.65	27.45	35.71	0.0069	-7.07698774
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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
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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
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	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	-16.53	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	-13.73	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	-14.96	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	-6.86	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
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	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
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	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	7.53	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
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	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
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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
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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
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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
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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
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18.56	-5.80	.002340	362.28	-172.88	27.79	-30.98	38.64	9.73	0.00735	20.84202385
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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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-30.46668527	22.11798859	16.87429428	-12.74150085	-15.76954937
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22.19184303	336.0598145	6.14185905	14.13851547	52.68527939	-5.28216124	35.19029617
18.86837387	339.5220642	23.12847328	7.72966528	47.11585617	-8.06402779	36.96281052
14.80635736	345.636261	35.38837814	8.09799004	38.91448975	-1.29399955	38.11987305
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24.48134232	361.5478821	5.03403616	14.53139496	32.75119019	-6.93158627	26.15538597
27.50939178	366.5570984	-3.82854557	24.64804649	42.05752563	-6.78387642	29.10957909
24.85061646	360.8112183	-4.93636847	35.550457	49.84145737	-4.02662897	29.20805359
20.34547043	359.4115906	0.82430983	41.64009094	55.41543579	-0.96857998	23.79203033
11.77330887	377.3121643	-12.98654652	43.67815781	59.0966824	3.11267328	13.23078823
4.31896925	405.0101929	-98.87973785	46.10910034	68.20858002	5.20522738	1.51248491
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-14.95714664	420.332489	-10.99246597	46.72297287	85.00418854	0.6016084	-10.30429077
-18.20876041	397.2016907	-78.9389267	36.4344368	76.38083221	3.65427542	-12.71688271
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3.21114635	363.0948486	-156.9296417	30.68857193	38.39883423	-30.61437416	13.77238941
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-2.992661	395.2864075	-24.87717819	20.08082008	21.84877777	0.89702779	7.54396391
18.49909973	401.6216126	-32.85350037	20.5964756	23.22385788	-7.86708117	19.11455727
27.28782654	390.1298828	-27.53595161	19.93349075	27.15265465	-8.97490406	28.69106865
33.63934326	381.1427612	-7.66899776	13.86841011	22.38898849	-1.41709065	31.02980614
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-24.41056633	385.2679749	31.32636261	17.15877724	10.35704803	15.32334232	1.63557625
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-42.43114853	375.6915283	30.29239464	37.17108536	18.28830719	-3.09113407	-16.18806076
-28.25101852	361.1795349	11.01627922	44.19380951	26.53878021	2.42336154	-15.72031307
-24.11514854	351.9714356	18.18019867	46.35464859	31.89176559	11.67983532	-15.81878662
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-90.28909302	360.074585	-1.24362588	56.52041245	37.3429718	24.11206818	-22.0472126
-38.29528046	360.9585571	15.07829571	59.14779282	41.91019821	16.25883675	-20.1516037
-24.26285744	354.6970215	51.56259155	53.91758347	43.45716095	6.33766842	-26.35541153
-53.50937953	341.9530029	56.65235656	44.66035461	42.37674332	2.84187245	-27.3401413
-92.57859039	334.2918396	34.94525146	39.50381088	40.33868027	11.85216331	-32.36227417

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	66.67
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	65.25	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	72.83	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
003080	40.81	85.78	30.64	91.25	3.09	87.33	17.75	96.27	-2.66	13.11

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
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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
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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
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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
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9.28	155.28	.002990	330.83	160.87	6.16	76.25	18.60	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
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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	38.00595474
20.40	103.36	.003050	291.93	164.19	17.99	71.85	20.57	80.32	0.00806	35.79600906
17.09	95.90	.003060	287.44	154.37	22.78	75.79	17.94	48.51	0.00807	40.80522537
12.44	89.03	.003070	282.73	132.14	24.21	85.24	12.94	46.54	0.00808	60.25276947
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44.26747513	38.88993454	39.6285831	29.60815239	46.10910034
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37.56396484	41.54187393	24.2306118	33.43872833	39.40559006
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26.36589566	33.58605957	11.26558208	26.58789063	33.36506653
31.22878075	33.21773529	4.41474295	27.17720985	35.05935669
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56.71885028	19.88438034	48.76103592	57.2325058	55.68554306
61.50507355	25.85124016	45.29878616	50.67632675	59.5161171
62.61004639	36.31166077	47.80338432	47.2877388	60.17910385
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27.3982048	22.83097839	36.75385067	47.43507004	36.97464752
23.27296829	26.07223511	27.25087547	38.81626882	35.50134659
22.09432793	26.80888557	24.89359665	36.38532639	34.17538071
24.89359665	22.68364906	27.54553413	37.85862732	33.29140091
25.33558655	16.86411858	23.49396324	37.71129608	26.9562149
22.24165916	18.41108131	15.61181355	32.40742111	16.12746811
18.41108131	19.51605606	13.69652557	27.10354424	3.97275329
15.75914383	13.32820129	16.0538044	23.64129257	0.65783101
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10.16060829	3.08877397	22.38898849	23.86228752	17.23244266
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14.06484985	8.83463955	24.74626732	16.49579239	20.32637024
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25.92490578	4.41474295	23.93595314	12.81254578	17.08511353
32.92307663	3.89908838	21.5050087	4.85673285	12.4442215
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25.1145916	4.3410778	14.87516499	-2.87808609	9.71861839
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38.43991089	17.8344059	-19.75771141	0.62622672	-19.46229172
30.09431076	23.96435928	-18.3544693	7.1993084	29.42961693
36.51968384	38.51376343	17.09585762	34.74716568	48.11489487
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47.67176437	45.01298904	54.1709938	59.41468811	27.73095703
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42.79734421	29.06034279	39.25231171	25.51531029	30.68515015
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54.0232811	41.24639511	40.65555573	40.43399048	28.98648834
58.45457458	43.09276581	42.50192642	12.81227684	13.18155098
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52.10305786	33.19621658	32.75308609	6.23919535	-42.87427902
47.52405548	35.8549881	25.95843887	16.06188965	-41.61874771
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63.03357315	71.82230377	33.49163437	73.52096558	67.18944885
67.09558868	64.36296082	66.20341492	68.79425049	79.57705668
68.20341492	72.85626984	77.73069	66.28318787	86.65712189
67.24330139	79.94633484	64.51067352	74.62878418	117.8338669
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38.14448929	338.6380615	57.10170364	29.85370255	27.20176506	49.39504623	41.32024765
38.80918503	343.8682861	63.89635086	29.01883316	23.7395134	48.95191574	41.98494339
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39.32616806	381.6584168	69.36151041	16.86411858	24.64804649	41.93570709	23.74279404
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36.00270081	368.546051	89.00699615	20.89113426	29.01883316	48.01642227	20.66551018
42.64963531	365.0838013	86.05280304	14.33495426	29.70637321	45.0376091	5.25446415
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86.81483459	277.1278381	101.9315949	24.84448624	8.83463955	88.11960602	65.39692688
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	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
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	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	-5.59	105.50	1.10	96.79
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	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	108.53	28.06	58.90
	003490	7.73	107.20	25.78	91.69	35.65	124.63	14.88	108.38	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
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8.61	68.35	.003170	299.30	153.85	17.58	102.96	.02	65.08	0.00818	28.50317955
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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	71.58716797

26.66155434	15.53814888	14.06484985	7.65600061	10.38160324
26.58789063	14.21218014	15.75914383	5.00406265	10.52893353
24.15694809	12.22322655	13.99118519	-1.77311206	9.35029411
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
10.67626286	24.96726227	-4.64604473	-10.61290455	1.48814537
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
10.74992752	26.66155434	9.35029411	6.33003139	16.93778229
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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
36.31168077	35.05935669	19.14773178	10.45526791	27.10354424
36.23799896	33.58605957	20.17904091	17.01144791	32.84941101
37.56396484	29.68181801	20.91568947	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
16.42212868	35.35401917	12.66521645	18.11642265	24.15694809
21.43134499	33.95438385	16.11642265	27.02988052	20.84202365
27.47187042	33.07040405	22.97830772	30.63946152	13.69652557
29.31349373	33.73339081	20.91568947	28.06118965	8.68730627
25.77757645	35.64867783	14.87516499	27.10354424	8.24532032
21.0630188	38.81626892	11.85490227	28.87150383	11.26558208
19.58972168	37.71129608	11.92856693	31.96543121	10.8972578
21.9469986	34.76469803	11.63390732	29.82914734	9.42395878
22.90464401	32.70207977	10.30793858	27.3982048	8.68730927
23.19930267	34.39637375	8.6136446	27.76652908	12.4442215
22.38898849	36.23799896	6.33003139	29.16616249	14.21218014
21.21035004	35.86967087	8.31898499	25.1145916	13.62286091
20.69469452	32.55474854	14.43317509	23.12563705	11.48657703
23.71495819	31.4497757	20.62103081	27.32453918	15.39081955
28.42951393	30.93412209	23.346632	31.67077065	21.0630188
32.40742111	31.08145142	25.18825722	29.90281296	27.47187042
31.08145142	28.94516754	28.2821846	30.05014229	29.46082306

74.85034943	126.1056137	93.9048996	58.23300934	115.0273895
84.59918976	136.6668549	95.38199615	77.1398468	63.91983032
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92.28009033	96.04669189	104.7615662	111.8516312	27.58324623
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85.11517279	104.0968704	155.6475525	60.22708893	63.2551364
79.13393402	105.8693848	123.8899689	72.7824173	54.09713745
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98.33518927	103.5060272	112.9594498	60.15323639	94.12646484
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127.4350052	107.0510635	109.4144211	77.1398468	74.85034943
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121.3789063	120.1972275	119.0155487	81.20186615	77.65883746
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
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107.1987763	91.68925476	124.6285172	108.3804474	43.2404747
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103.5798874	79.72476959	97.59764099	53.94942856	43.39818359
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93.31406403	320.1481628	154.1489727	31.81810188	15.24348927	114.436554	92.13238525
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86.59326935	339.8167114	163.4526825	44.39025116	27.52098063	103.1121368	75.31809998
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	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	65.63
	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	21.06	-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	30.56	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	54.43323698
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
20.03170967	38.15328598	7.28767586	-2.80442119	10.38160324
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
40.068573	51.41297531	29.46082306	12.95987606	36.60632324
39.33192444	48.09805298	32.26008987	18.55841255	42.27852249
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44.48847198	50.38166428	35.79600906	24.08328247	35.42768478
44.93046188	53.91758347	36.9009819	23.86228752	27.98752403
44.63579941	54.72789764	37.04831314	20.84202385	25.70391083
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
51.41297531	49.86601257	42.64684677	38.30061722	28.20851898
56.93784714	50.08700562	42.94150543	40.14223862	36.23799896

113.4025803	83.26880591	112.5901794	65.69234467	55.50037766
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89.91674042	47.96718597	85.04232025	19.38535881	25.95843887
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58.89770126	43.31433105	79.2816391	-35.19337463	-3.06651568
61.85189819	44.56986237	82.45739746	-38.88611603	-7.57166147
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59.48854065	27.58324623	74.70263672	11.70445442	-14.21859837
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77.43527222	340.2586975	159.0213928	43.50627136	30.95867538	103.0875244	66.20933533
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31.86882701	321.62146	154.4423981	28.55228806	11.3392477	85.21464539	20.91169167
31.86882701	326.1886902	153.6298896	25.94946098	8.6136446	88.71044159	32.06377411
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34.89487839	331.0505981	152.5960236	23.3220768	6.28092146	89.37513733	31.64526367
39.17845917	330.0192871	151.8574829	23.37118721	4.93039751	93.73257446	30.02045822
46.71165085	327.8093262	150.0849609	29.06794357	4.04641819	92.13238525	34.59945679
51.06908798	324.9364014	148.829422	37.7849617	4.95495272	85.53468323	37.92292404
54.61412048	322.3581238	148.6817169	43.89915085	8.49086952	84.05758667	39.25231171
58.15915298	323.684082	149.1248474	44.73402023	12.8862114	87.28257751	41.0986824
62.07345963	324.273407	144.5458527	42.15574646	16.00469398	89.44898987	42.13265228
61.26105881	322.4317932	138.2681885	36.99920273	15.78369904	87.57800293	39.57234955
58.45457456	319.5588684	138.4897461	35.37857437	12.4687767	85.36235809	34.77178574
54.76182936	317.0542603	145.5798187	37.95684814	10.82359314	83.58983612	30.75900459
50.7736702	318.8222046	151.488205	41.98386383	11.87945747	82.99900055	27.70633888
45.75154114	323.6104431	150.0849609	42.59773636	14.55595016	81.64499664	25.53993034
42.13265228	326.4096985	142.5517578	43.43260574	17.47799301	80.46331787	24.82600021
36.81510162	325.9677124	138.5635986	45.98632431	19.85982513	79.08469391	24.80138016
28.83877945	323.8314209	139.0805817	50.13611603	22.19254875	77.60759735	23.74279404
20.27161598	325.3783875	138.1943359	51.60941315	26.34234047	74.30874634	21.87180519
16.20960045	326.6306763	131.6950989	50.94643021	31.032341	72.36390686	20.14852524
14.14166355	326.925354	128.8147583	49.20302582	32.84941101	72.31466675	18.81913757
13.69853497	323.8314209	129.3317413	49.47313309	31.76899147	72.48699951	18.72066498
12.59071255	320.5901794	127.7098397	49.9887886	29.58359718	69.48356628	19.48383141
15.76547091	320.7374878	121.355423	50.0378952	27.85474991	64.04292297	20.17314339
19.97819629	326.8516846	116.3332901	49.5222435	26.88254929	60.47327423	19.6807785
24.92447281	333.7761841	114.265358	51.75674438	28.08574466	61.43338776	18.59757423
24.92447281	334.954834	114.1915054	54.01580429	29.55904198	61.0148735	15.20025063
25.58916473	330.9032593	111.6065826	54.01580048	29.6572628	58.08530045	10.96590519
28.6172142	330.0929565	108.8739548	51.06920624	27.96296883	56.48511124	5.72221088
32.1522467	332.3765564	109.6863556	49.03114319	27.10354424	60.49789047	-2.03254795
30.4835849	335.9124756	119.7306137	46.57564545	28.38040352	62.95972061	-5.33139753
28.39564896	336.3544617	132.1382294	44.26747513	32.28464508	60.07938004	2.30026984
25.58916473	335.1758118	134.3538818	42.25396729	35.28035355	55.08186722	9.58728123
21.30558395	336.6491089	129.3317413	43.53082657	34.88747406	53.9248085	6.2638135
17.61284256	340.3323669	126.8206787	46.10910034	33.38962173	53.53091812	1.36477542
18.35139084	340.3323669	129.5533142	49.84145737	33.88071823	52.96469879	2.20179701
17.8344059	338.8590698	135.0924225	51.90407562	36.38532639	55.74656296	3.60503864
16.50501823	335.1021729	135.0924225	52.46883774	39.77391434	62.34426117	1.24168336

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
004390	35.13	31.05	35.80	16.21	36.90	38.51	38.30	-30.98	27.77	-40.66
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	38.83	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
34.84	35.78	.004210	331.79	130.51	53.38	46.15	48.20	10.25	0.00922	59.44245529
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
32.85	7.13	.004260	343.72	91.15	48.86	40.58	39.72	2.72	0.00927	46.25642776
30.42	3.80	.004270	345.78	90.78	43.06	40.56	36.58	2.32	0.00928	48.39271164
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
33.44	-.63	.004330	353.89	134.65	36.41	34.77	35.45	-8.41	0.00934	44.48847198
32.78	-2.25	.004340	351.31	147.06	35.40	34.97	37.27	-10.72	0.00935	41.76286697
31.08	-6.54	.004350	349.54	155.40	34.20	34.40	38.45	-14.64	0.00936	38.55527588
29.39	-8.68	.004360	348.88	159.39	33.98	32.43	35.69	-18.48	0.00937	36.75365067
26.51	-8.46	.004370	353.44	165.30	34.52	29.75	31.18	-21.65	0.00938	35.13302231
27.03	-5.87	.004380	359.93	167.29	36.70	29.43	29.39	-24.04	0.00939	33.51239395
30.64	-5.50	.004390	364.13	156.58	35.94	28.59	32.24	-25.72	0.0094	31.89176559
38.08	-6.09	.004400	364.86	138.79	32.48	25.79	36.21	-26.26	0.00941	35.13302231
41.62	-7.72	.004410	368.47	128.30	28.45	21.92	36.36	-26.31	0.00942	40.14223862
41.32	-5.06	.004420	373.48	119.44	29.24	22.71	33.91	-23.40	0.00943	45.37245178
37.34	-1.44	.004430	377.16	107.54	31.03	26.38	32.60	-19.14	0.00944	47.14040756
36.75	2.77	.004440	373.04	90.93	33.00	27.71	34.52	-15.33	0.00945	42.20485687
36.09	2.62	.004450	369.14	78.08	35.48	23.84	37.15	-14.61	0.00946	33.88071823
38.67	1.14	.004460	367.96	68.92	38.67	20.84	38.84	-14.86	0.00947	34.61737061
40.36	-3.44	.004470	368.03	64.49	39.97	21.33	38.08	-15.89	0.00948	46.03543472
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
42.72	-1.74	.004500	365.38	66.04	47.75	24.31	37.00	-13.23	0.00951	43.45716095
41.39	-6.83	.004510	365.82	60.20	44.88	24.58	37.44	-9.69	0.00952	48.39271164
42.43	-9.49	.004520	366.04	52.82	43.31	24.51	38.20	-2.82	0.00953	49.5713501
43.02	-8.01	.004530	368.99	45.28	44.29	22.46	38.87	-.01	0.00954	41.54187393
45.23	-3.95	.004540	371.27	37.16	46.08	20.25	40.46	-3.71	0.00955	34.17538071
46.85	-2.48	.004550	372.01	33.39	42.97	18.18	43.11	-7.30	0.00956	36.82731628
48.47	-4.17	.004560	366.78	33.62	38.45	18.08	44.84	-9.34	0.00957	44.93046188
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
44.34	-11.26	.004590	357.72	26.60	39.63	19.56	41.71	-14.51	0.0096	47.65606308
44.19	-15.70	.004600	359.19	14.49	40.07	20.64	41.69	-16.06	0.00961	48.90836716
41.10	-20.87	.004610	360.44	18.55	39.01	19.58	39.82	-19.63	0.00962	46.33009338

56.49585724	45.9617691	42.86784363	42.72051239	37.12197495
52.14962387	41.46820831	42.42585373	43.01517105	32.99673843
48.1717186	37.56396484	43.08883667	44.26747513	30.93412209
49.93967819	38.30061722	44.70946503	46.77208328	34.47003937
51.11831665	40.43689728	45.74077606	49.93967819	36.23799896
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57.15384018	41.98386383	68.5769043	37.41663742	33.43872833
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46.62475586	37.04831314	47.14040756	32.18642426	30.41846657
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34.17538071	37.19564056	46.25642776	45.22512054	46.25642776
32.40742111	36.67998886	38.59527588	46.8457489	41.91019821
33.14406967	34.39637375	34.10171509	41.02621841	36.82731628
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24.6728017	34.69103241	41.09988403	37.93229294	32.77574539
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28.65050886	35.28035355	39.33192444	31.22878075	38.07962036
24.74626732	28.72417259	33.36506653	34.10171509	41.61553955
27.25087547	25.33558655	28.57684326	31.81810188	41.32087708
27.76852908	25.18825722	33.43872833	27.02988052	37.3429718
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45.88810349	47.06674194	49.35035706	19.07406616	42.86784363
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46.99308014	45.59344482	47.21407318	21.0630188	42.72051239
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41.68920135	44.78313065	50.08700562	22.09432793	42.42585373
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39.1109314	31.08145142	46.8457489	33.95438385	44.34114075
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46.33009338	31.67077065	44.63579941	30.63946152	34.91202827

94.34803009	25.21989059	61.99960709	-19.53614616	-0.92472512
73.22554016	26.25385857	60.74407196	-22.93346977	0.55237186
74.18565369	24.18592262	59.19312286	-21.16095352	0.40466216
88.21807861	24.03821373	56.90362167	-20.64397049	-1.07243478
76.47515869	23.66893959	50.92137909	-24.04129219	0.03538791
48.9272995	22.04413223	45.01296904	-25.88766479	2.9157269
41.17253876	19.31150436	41.91108704	-24.41056633	8.52869511
55.42852512	19.90234184	44.27444077	-21.75179291	13.55082512
68.12955475	21.74871254	48.55802536	-22.93346977	17.90826225
64.14139557	22.41340637	49.73970032	-24.26285744	20.19776154
49.44428253	22.41340637	45.67768478	-22.63805008	21.89642334
40.43399048	23.15195465	44.34829712	-18.87145424	20.34547043
41.61566925	22.41340637	48.6318779	-15.99111462	17.31742287
44.12673187	22.78268051	54.83568573	-12.74150085	13.77238941
42.64963531	22.56111717	56.46049118	-8.53177452	11.70445442
40.28828159	24.48134232	54.68797684	-6.46383858	6.31305027
40.36013412	24.03821373	51.73378372	-7.86708069	-1.58941877
39.17845917	23.00424576	51.21679688	-10.59971046	-9.93501663
36.74124908	21.08402061	49.66584778	-11.33825874	-14.51401711
33.78705215	21.97027779	49.29657364	-7.57166147	-18.79759789
32.3099556	21.60100365	50.40439606	-2.84495115	-21.75179291
30.53744125	21.3794384	52.98931503	-2.25411248	-27.68018105
29.20805359	22.63497162	51.36450958	-5.87300014	-31.50063324
29.87274742	23.74279404	43.68360519	-11.70753288	-35.04566574
32.75308609	20.71474648	35.78113556	-18.94530869	-37.55672836
34.45174789	17.61284256	36.22426224	-25.73995399	-40.51092529
31.05442429	16.20960045	38.51376343	-30.9836483	-40.65863419
24.92447281	15.54490662	36.88895798	-33.27314758	-39.40310267
21.82256889	13.99395466	29.94660187	-34.08555222	-37.11360168
27.65710068	14.51093864	25.95843887	-30.90979385	-34.23326111
37.62750626	16.65272903	24.85061646	-26.10922813	-29.87582588
38.43991089	18.86837387	25.81072998	-21.97335625	-26.77392197
26.40156937	19.60692215	25.51531029	-20.71782494	-25.73995399
15.84032536	19.38535881	27.28782654	-19.53614616	-26.18308258
16.57887459	18.49909973	28.9126339	-18.64988899	-25.5922451
22.04413223	19.16379356	30.02045631	-19.09301758	-23.7458725
24.11206818	19.60692215	28.6172142	-22.26877594	-19.53614616
24.62905312	20.86245537	27.43553734	-24.26285744	-13.70161438
28.24794006	19.60692215	25.88458443	-23.52430916	1.29092038
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27.87866592	14.51093864	24.99832726	-13.62775898	21.60100365
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23.89050484	7.64243746	24.40748787	-10.74742031	-22.63805008
24.25977896	9.04567909	25.36730139	-5.35601616	-26.92163277
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23.96435926	10.15350246	24.62905312	-5.79914522	-32.23918152
22.70882607	7.05159855	23.00424576	-10.08272648	-35.41493968
19.90234184	1.51248491	20.93630981	-11.41211319	-37.40901947

14.2893734	335.9124756	131.3258209	50.30800247	40.90344238	60.52251053	-2.05716586
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19.01608467	340.3323669	116.0378723	45.71622086	39.43014526	52.5215683	-0.58006889
26.84469795	339.3010559	112.7882614	46.15821075	41.98386383	56.38663864	1.70943093
32.4576683	338.2697449	116.9241333	46.52653503	43.97281647	50.35515976	2.81725478
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37.11052322	332.5975647	143.2164612	46.57564545	47.45962524	34.13171005	7.07621717
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9.41495323	345.1206055	91.81348419	52.10051346	45.61800003	37.5536499	3.58042049
7.12545347	343.7209473	91.14878845	48.85925674	39.72480392	40.58169937	2.71878076
3.80198526	345.7835693	90.77951813	43.06428146	36.58176422	40.55708313	2.32488847
2.76801729	346.0782471	87.60375977	39.99490738	39.33192444	39.81853485	0.87240964
0.70008153	342.8369751	84.2802887	39.30736923	44.12014369	38.71070862	-2.91880608
-0.11232179	340.6270447	87.23448181	40.04401779	45.91265869	37.79983521	-6.88234949
-1.51556396	344.2366028	99.42053223	38.88993454	42.45040894	35.83037186	-9.12261295
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2.76801729	373.0396118	90.92722321	32.99674225	34.51914978	27.70633888	-15.32641983
2.62030768	369.135376	78.07648468	35.47679138	37.14653015	23.84126663	-14.61249065
1.14321065	367.9567261	68.91847992	38.6689415	38.84082413	20.83783722	-14.8586731
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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
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-23.00732422	363.3894959	27.55976486	40.33868027	37.93228912	17.56822225	-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	-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	-2.82	35.50	17.24	49.42	-24.41	26.51	-51.15
004680	58.12	13.85	51.12	-6.54	36.61	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	36.97	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	9.85	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
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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
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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
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53.33	-42.95	.004700	363.02	17.66	47.48	2.00	46.84	-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
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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	40.8525528
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	36.31168077
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	27.65286346
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

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	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	9.66	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
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	005370	27.25	11.04	38.01	41.32	35.58	31.13	62.02	30.39	44.49	28.03
	005380	25.19	11.04	38.23	40.36	31.16	31.28	55.88	28.17	42.87	28.40
	005390	24.89	10.89	34.62	40.14	26.66	28.99	50.23	24.33	41.69	28.32
	005400	27.84	12.44	31.97	42.50	23.71	27.29	50.09	22.49	38.89	30.09
	005410	27.32	14.51	27.69	43.31	21.43	26.99	51.93	21.82	36.68	36.08
	005420	23.71	17.10	24.16	44.72	21.06	27.14	53.77	23.89	36.53	48.26
	005430	21.36	19.16	21.65	43.24	21.80	24.63	53.03	26.92	42.43	64.51
	005440	20.77	19.98	24.60	41.32	22.24	21.82	51.71	28.32	49.35	68.35
	005450	19.22	18.87	25.48	36.45	21.95	22.34	51.04	28.62	54.36	59.27
	005460	20.25	17.83	24.16	35.12	23.42	26.70	53.48	31.42	54.51	53.36
	005470	23.79	16.51	22.39	37.33	24.01	28.03	56.05	35.71	54.29	59.78
	005480	25.56	15.99	25.19	40.58	23.86	27.36	57.01	35.85	53.25	62.89
	005490	23.27	14.51	25.04	37.26	20.77	26.99	54.65	33.64	52.52	58.45
	005500	22.24	15.77	19.52	33.20	17.90	29.06	49.20	34.08	50.53	53.73
	005510	23.94	19.02	12.67	34.01	14.80	28.91	41.91	37.26	50.16	54.76
	005520	28.58	23.74	12.15	39.03	12.00	26.99	38.08	39.25	49.35	54.54
	005530	31.89	25.81	15.17	39.77	7.66	27.07	39.70	40.88	50.68	52.10
	005540	33.29	25.59	16.94	38.00	7.73	29.80	45.23	41.91	52.59	49.15
	005550	31.45	24.41	12.52	35.85	11.19	29.80	48.17	40.51	55.83	46.64
	005560	31.52	24.92	7.66	35.71	13.84	28.91	49.42	39.77	58.19	43.39
	005570	32.70	22.12	8.98	35.49	10.53	30.83	47.36	40.36	59.22	41.54
	005580	35.06	19.02	16.50	37.48	6.33	33.49	45.15	42.21	56.79	38.66
	005590	35.80	18.28	22.54	42.80	3.83	33.05	46.33	40.43	53.62	34.97
	005600	35.72	18.87	24.30	46.64	3.33	33.49	51.85	39.40	52.22	32.46
	005610	33.00	17.54	22.98	42.80	2.35	34.82	51.27	44.42	52.81	34.01
	005620	31.08	17.10	23.86	37.78	1.91	36.15	40.66	52.77	51.41	34.75
	005630	32.85	17.02	23.42	36.74	-1.63	35.63	25.48	50.18	50.60	34.53

33.29	36.00	.005130	329.21	39.67	35.50	13.75	40.02	24.53	0.01014	27.47187042
35.87	45.97	.005140	324.72	55.03	30.25	16.14	40.63	35.51	0.01015	26.66155434
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
31.52	47.38	.005170	317.79	65.52	28.01	17.17	39.18	31.18	0.01018	26.44055939
30.64	33.79	.005180	317.42	66.56	30.61	18.70	40.17	27.44	0.01019	22.68364906
31.45	33.57	.005190	316.02	69.95	29.58	20.15	41.81	30.81	0.0102	23.05197334
32.63	37.11	.005200	310.35	71.08	29.71	20.86	42.28	33.71	0.01021	26.9562149
29.90	31.20	.005210	306.00	73.35	29.98	20.79	40.73	31.33	0.01022	29.97647667
26.96	26.40	.005220	306.45	73.79	30.47	23.35	39.09	28.00	0.01023	31.37611198
25.63	29.36	.005230	312.34	74.61	29.93	25.52	39.23	28.25	0.01024	31.96543121
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
30.05	32.46	.005260	320.30	85.02	34.94	22.51	40.61	27.34	0.01027	29.90281296
34.32	33.34	.005270	320.96	86.05	34.89	21.55	40.63	28.12	0.01028	24.89359665
37.56	37.63	.005280	321.33	87.83	33.19	22.88	40.56	29.45	0.01029	22.16799355
36.61	39.99	.005290	320.96	97.28	29.61	23.05	40.51	29.77	0.0103	23.05197334
35.65	43.54	.005300	317.35	102.52	28.48	23.64	42.03	30.29	0.01031	27.10354424
33.29	47.38	.005310	318.09	101.12	29.29	25.05	43.04	32.14	0.01032	27.69286346
31.82	52.40	.005320	320.88	97.50	31.50	28.57	42.72	34.03	0.01033	26.44055939
30.64	54.98	.005330	321.99	99.64	31.03	31.08	41.62	34.11	0.01034	24.81993103
32.04	57.72	.005340	324.42	103.70	31.11	32.33	42.82	34.80	0.01035	27.10354424
30.34	58.23	.005350	331.79	105.62	31.28	30.49	44.66	36.13	0.01036	27.25087547
28.72	59.64	.005360	339.67	106.58	33.78	29.21	46.01	38.56	0.01037	25.18825722
26.22	58.31	.005370	342.54	107.62	33.61	27.83	44.24	38.91	0.01038	24.89359665
28.58	56.53	.005380	335.91	106.29	31.52	27.56	42.47	37.70	0.01039	27.8401947
30.05	54.91	.005390	326.78	106.44	28.72	26.67	40.66	35.85	0.0104	27.32453918
29.46	56.53	.005400	318.09	109.17	27.84	27.41	39.48	36.37	0.01041	23.71495819
25.04	55.35	.005410	315.43	115.96	25.48	28.27	37.88	37.75	0.01042	21.35767937
21.36	54.17	.005420	316.98	119.73	22.98	29.65	37.22	42.11	0.01043	20.76836014
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
23.27	59.64	.005450	330.68	124.01	22.22	25.88	42.89	49.17	0.01046	23.7886219
24.89	59.93	.005460	327.88	128.67	22.61	26.55	44.29	48.24	0.01047	25.5565815
24.75	58.60	.005470	325.89	132.06	23.40	27.29	45.03	51.36	0.01048	23.27296829
25.26	57.64	.005480	323.91	131.10	24.87	27.98	45.18	52.13	0.01049	22.24165916
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
19.74	59.19	.005510	333.56	130.59	17.13	27.31	37.27	50.40	0.01052	31.89176559
21.06	57.72	.005520	336.65	129.63	17.58	29.92	36.16	50.50	0.01053	33.29140091
24.16	53.06	.005530	336.28	129.92	18.24	30.88	38.18	48.68	0.01054	31.4497757
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	32.95673843
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
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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
22.38898849	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
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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

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1.06935585	33.27006912	17.02200317	22.48726273	37.18437576
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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
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8.45484066	42.72349167	34.52560043	29.94660187	19.75463295
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9.11953449	47.89332962	34.45174789	31.71911812	18.42524529
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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
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16.50501823	37.33208466	28.02637482	35.70727921	59.78396225
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15.76647091	33.19621658	29.06034279	34.08247375	53.72786331
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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
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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
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17.61284256	40.36013412	36.00270081	42.35421753	32.09839417
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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
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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
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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
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39.99085999	320.9584961	97.27873993	29.60815239	40.5105629	23.05348206	29.77427292
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57.71802631	324.4207459	103.7041168	31.10600662	42.91695404	32.33457565	34.79640579
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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	-4.26	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	35.67	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
38.37	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	38.66	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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16.20113373	15.09615898	37.41663742	46.18276596	33.73339081
11.92856893	12.14956188	38.88993454	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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13.10720634	-1.99410689	37.56396484	40.14223862	37.19564056
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9.79228401	4.41474295	36.75395067	40.5105629	35.28035355
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
3.82542348	1.17348564	49.93967819	24.74626732	37.19564056
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
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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
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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
12.3691473	41.76337814	30.83285904	41.76337814	33.63934326
8.75026035	41.32024765	27.14011765	43.83131409	34.0086174
10.4489212	40.65555573	31.49755287	43.2404747	34.67331314
15.10177708	40.21242523	39.25231171	42.50192642	36.44582748
16.94814873	39.84315109	41.83723068	43.83131409	36.1504097
14.65864754	38.21834564	39.10460281	43.46203995	34.89487839
15.24948692	39.10460281	36.73532667	42.94505692	32.1622467
18.20368004	40.43399048	42.64963531	43.97902298	33.78705215
20.34547043	41.0986824	46.85936356	48.55802536	37.11052322
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
24.92447281	34.23018265	43.97902298	55.20495987	42.94505692
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
28.9126339	25.66302109	36.44582748	61.99960709	39.32616806
30.75900459	24.70290756	36.59353638	59.78396225	37.47979736
34.96873093	26.40156937	35.8549881	56.38663864	36.74124908
35.19029617	30.53744125	35.04258728	54.76182938	38.80918503
34.82102203	31.71911812	35.11643982	53.94942856	41.48795654
35.92884445	30.38973045	33.78705215	51.36450958	44.20058823
37.92292404	30.83285904	33.19621658	48.26260376	45.75154114
33.71319962	29.65118217	33.34392548	44.71757126	47.45019913
28.02637482	27.73095703	35.11643982	44.6437149	50.92137909
25.95843887	26.18000412	35.92884445	44.71757126	56.68205643
30.38973045	27.21397209	36.88895798	44.71757126	59.11926651
35.19029617	29.06034279	39.17845917	42.94505692	59.04541016
37.9967804	31.42369843	43.31433105	43.01890945	59.11926651
34.96873093	30.83285904	45.97310257	44.12673187	63.18128204
31.49755287	30.38973045	45.89925003	47.00707245	65.78620483
28.9126339	28.9126339	43.83131409	49.88740921	65.17536163
27.65710068	29.87274742	42.64963531	51.95534515	58.01144409
25.81072998	28.764925	44.12673187	50.55210495	49.96126556
24.33363342	25.88458443	41.76337814	48.11489487	47.00707245
21.45329475	23.59508514	36.74124908	47.67176437	53.8755722
20.19776154	23.89050484	33.71319962	49.81355667	60.07938004

40.43399046	319.9271851	132.1382294	20.67013931	39.77391434	31.71911812	39.00613022
40.13856888	324.5680847	135.535553	19.6879406	39.84757996	30.80824089	41.07406616
43.68360519	324.7890625	136.599519	17.94453621	39.38103465	31.10366058	41.394104
47.00707245	321.547821	142.1824951	16.02924919	39.13548279	30.58667755	41.04944611
49.22271729	315.8756104	146.6137848	15.21893501	38.91448975	28.32179451	41.5418129
49.88740921	314.9916382	148.6078644	15.26804447	38.7426033	25.73687553	42.57577896
50.62595749	314.623291	147.6477509	18.04275703	38.81626892	27.53400993	42.84658051
50.03512192	314.5496521	149.715683	19.17228699	38.6934967	31.52217102	42.99429321
51.80763626	311.0874023	154.0731201	17.62532234	38.81626892	32.87617493	43.92978668
53.58015442	307.3304749	159.0213928	15.1698246	39.47925568	30.660532	43.97902298
54.54026794	308.0671387	163.7481079	17.28155327	40.33868027	31.02980614	43.21585846
51.95534515	312.4133606	167.7352671	20.79291534	39.70024872	33.76243591	43.2404747
51.58607101	314.2549744	167.4408417	21.75055885	39.28281403	36.1011734	45.75154114
51.73378372	313.6656494	166.2591705	17.99364662	39.1109314	35.01796722	49.05038834
52.62004089	310.3507385	166.9238586	15.36626434	38.76715851	34.23018265	51.56145477
49.22271729	308.3617859	171.8721466	14.94882965	36.67998866	33.86090851	50.03512192
42.64963531	306.7411499	174.9740448	15.36626434	35.95789169	34.45174789	45.7362709
36.00270081	309.0984497	175.1217499	13.96663094	36.63087845	34.37789154	44.71757126
41.02482986	313.2236633	171.2074432	13.42642021	38.3006134	33.73781586	47.67176437
49.81355667	316.9069214	166.9977264	13.03354073	38.52161026	31.96530151	50.13359451
50.92137909	318.895874	165.1513519	14.11396027	37.51485443	31.91606331	48.5334053
43.60974884	320.0008545	163.895813	14.53139496	35.62412262	31.66988182	44.17596817
40.36013412	319.6325073	161.2370453	14.50683975	35.79600525	31.05442429	41.59104919
40.43399046	320.4428406	160.7200623	12.86165619	36.70454025	29.89736557	41.36948395
39.84315109	320.3691711	162.1971588	11.43746758	37.26930618	30.93133163	42.35421753
39.6954422	322.0634766	165.5206299	9.39940357	35.89422607	32.13763046	42.52654266
43.31433105	323.8314209	163.1572723	6.52647114	35.25579834	31.62064552	41.81261444
45.89925003	327.3673401	161.2370453	4.0709734	36.53265762	29.03572464	42.25574493
47.89332962	325.4520569	160.6462097	4.73395777	37.22019577	27.73095703	45.43149948
48.85344315	320.2955017	159.3906708	6.67380142	36.95009232	28.51874161	49.32118988
50.40439606	316.833252	154.8855286	8.41720486	37.29386139	30.34049416	50.57672501
51.21679688	317.7908936	151.63591	9.0556345	36.67998505	30.68515015	49.49351883
54.3187027	319.2641907	154.1489727	11.11825275	36.06611252	32.40842819	49.14886475
55.57423401	320.0008545	160.0553589	12.17411709	35.52590179	33.59010696	49.71508408
55.05725098	319.4115295	162.1233063	13.1563158	36.26255417	33.88552856	50.15821075
53.13702393	320.7374878	161.606308	13.42642117	37.09742355	33.36654172	49.56737518
56.16507339	320.6638184	159.3168182	15.19437981	37.85862732	33.98400116	50.05973816
58.23300934	320.0008545	160.2030792	15.71003437	37.73585129	32.23610306	50.13359451
59.48954065	318.8222046	162.2710114	16.47123909	38.96360016	30.29125786	51.68454361
55.94350815	319.4115295	162.5654215	17.4288826	39.97035217	29.35576248	52.44771194
52.54518454	323.3894348	160.0553589	21.21034813	41.29632187	31.49755287	52.1276741
51.14294434	327.6619873	158.2828522	23.69040298	41.76286697	34.47636414	51.04447174
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	-4.67	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	-6.78	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	39.26	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
29.02	49.37	.006330	319.12	126.82	7.02	29.36	32.16	40.53	0.01134	23.27296829
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
38.60	34.97	.006580	327.22	86.50	-0.05	23.28	35.40	29.90	0.01159	12.73888111
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
35.50	22.86	.006620	340.48	86.57	1.54	16.33	34.32	27.29	0.01163	14.43317509
35.13	25.96	.006630	338.20	79.78	2.35	17.81	33.59	26.82	0.01164	15.09615898
36.53	31.57	.006640	335.03	73.05	4.56	20.32	31.57	25.86	0.01165	14.7278347
34.18	30.98	.006650	336.43	73.05	5.25	19.98	30.03	24.97	0.01166	15.09615898

6.33003139	11.85490227	41.68920135	41.98386383	34.76469803
6.4773612	2.13112974	40.28956985	42.13119125	33.36506653
4.3410776	-1.4047873	40.5105629	41.39454269	31.67077065
1.91013503	-0.37347817	44.78313065	39.84757996	31.30244637
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11.48857703	-1.92044199	38.88993454	45.51977921	29.31349373
5.88804197	-1.84677696	41.17354965	44.78313065	28.72417259
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-6.78232813	-8.03463173	38.6689415	42.49951553	27.47187042
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7.36134052	-10.02358532	36.82731628	39.1845932	27.54553413
8.98196888	-8.55028629	37.56396484	40.5105629	28.50317955
13.99118519	-9.13960648	36.30061722	41.61553955	30.56579781
21.0530188	-11.49688435	36.16433334	39.33192444	29.68181801
24.00961685	-13.33850765	33.65972519	35.50134659	27.98752403
17.96909142	-13.70683289	30.93412209	36.53265762	29.01883316
12.66521645	-13.33850765	32.11276245	40.65789413	31.81810188
11.56024265	-10.1709156	34.54370499	45.07778931	30.63946152
14.87516499	-6.78232813	35.79600906	42.72051239	28.13485336
15.98013878	-5.3090291	34.02804947	39.03726578	25.63024521
15.61181355	-8.10829735	35.64867783	37.56396484	27.17720885
12.95987606	-9.7289257	42.27852249	39.25825882	29.90281296
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9.12929916	-11.12855911	42.86784363	32.99673843	33.58605957
9.20296383	-12.45452881	35.79600906	31.81810188	34.47003937
10.30793858	-12.52819347	34.61737061	36.09066772	33.88071823
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14.7278347	-14.29615211	38.00595474	40.43689728	32.84941101
16.34846306	-17.24275017	38.07962036	41.02621841	37.56396484
14.58050442	-18.42138863	37.04831314	40.14223862	43.97281647
11.04458809	-15.10646629	37.26930618	38.30061722	49.93967819
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8.53997993	-7.00332308	30.34480286	33.88071823	34.54370499
6.4773612	-10.68657017	30.71312714	30.71312714	38.15328598
7.50967033	-14.14882183	31.15511703	34.24904251	37.41663742
8.53997993	-14.44348145	32.26008987	37.41663742	37.26930618
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14.21218014	-14.88547134	30.63946152	36.97464752	36.97464752
8.02432537	-12.23353386	29.46082306	38.00595474	35.50134659
3.08877397	-7.07698774	27.69286346	37.93229294	35.13302231
5.15139246	-5.89834881	27.25087547	30.93412209	36.53265762
8.02432537	-7.37164736	30.12380791	25.77757645	34.17538071
10.8972576	-8.03463173	10.54370499	24.45160675	34.32270813
10.38160324	-6.04567862	32.62841415	26.21956635	36.75365067

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22.70882607	21.5271492	39.99085999	49.88740921	56.53434753
24.18592262	23.44737434	41.61596925	48.55802536	50.03512192
23.89050484	28.02637482	41.02482986	47.08092499	43.90516663
20.05005264	29.72503662	41.17253876	44.71757126	43.38818359
17.53898621	29.65118217	42.79734421	42.94505692	45.01298904
15.54490662	27.0662632	42.94505692	41.394104	44.05287933
16.94814873	25.66302109	39.91700745	41.24639511	39.4000206
18.57295418	24.62905312	34.37789154	39.54773331	37.33208466
21.82256889	26.54927826	31.05442429	36.00270081	36.22426224
20.93530981	28.24794006	31.49755287	27.95252037	34.52560043
19.31150436	28.6172142	35.26415253	24.33363342	30.53744125
16.72658348	23.59508514	35.26415253	29.35576248	28.17408562
16.43116379	19.75463295	29.94690187	37.33208466	27.38168269
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23.59508514	32.08839417	33.27006912	37.70136261	38.21834564
21.45329475	31.57140923	29.20805359	40.43399048	45.75154114
21.3794384	31.27598953	27.87866592	41.68952179	51.51221848
22.11798859	30.68515015	31.12827873	39.54773331	53.50629807
25.95843887	30.31587601	32.82694244	37.47979736	51.29065323
29.42961693	27.28782654	30.83285904	35.92884445	49.44428253
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26.32771492	19.16379356	26.84469795	28.24794006	48.04103851
24.48134232	18.57295418	28.6172142	25.21989059	48.18874741
23.81664848	19.16379356	30.31587601	25.0721817	50.92137909
24.25977898	21.97027779	31.34984398	25.21989059	52.54618454
22.70882607	24.33363342	30.6112957	23.00424576	52.98931503
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16.13574409	19.90234184	27.36168289	25.36760139	49.14886093
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14.58479309	28.32179451	31.86682701	28.83877945	44.05287933
16.35730934	32.82694244	31.42369843	28.17408562	40.28628159
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19.60892215	25.95843887	31.57140923	29.35576248	32.45766683
17.90826225	25.58916473	32.6053772	28.46950531	30.24202156
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	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	-9.80	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	-6.12	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	-8.9	15.84	30.93	26.48	34.18	7.86
	006910	46.40	19.75	23.71	12.00	-5.9	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
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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
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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	33.86	14.19	0.01206	47.36140442
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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
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20.18	14.14	.007140	311.46	94.47	19.27	23.40	26.24	22.36	0.01215	31.08145142
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11.63059902	313.7393189	89.15470886	25.01637268	32.16186905	19.36074066	16.94814873
13.69853497	320.8848267	89.74554443	22.58542824	30.0992527	20.81321907	18.27753639
17.53986621	319.1168823	89.74554443	18.63207626	29.26438332	22.38878822	19.36074066
18.12982559	309.835083	91.44420624	16.44668388	28.18396378	23.00424576	21.03478241
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16.65272903	298.9326782	92.25681469	13.94207573	27.15265465	24.65367126	22.48726273
17.53986621	304.5312195	90.33638763	13.94207573	28.96972275	24.18592262	22.73344421
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14.14166355	311.455719	94.47225952	19.27050591	26.24411964	23.36813805	22.36417007
12.3691473	306.7411499	96.9094696	18.85307121	24.74626732	23.29966545	21.82256699
15.02792263	303.3525696	94.98924255	18.3374176	25.5811367	22.21646118	22.85653687
16.94314873	303.2052307	91.51806641	19.09862137	25.9985714	21.15787506	24.25977898
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	007170	31.67	22.12	22.98	16.36	2.65	25.00	33.59	29.06	25.04	26.77
	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
	007240	17.38	34.30	16.94	24.78	3.75	32.01	28.13	28.54	25.63	20.35
	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
	007270	2.65	28.76	19.44	27.88	10.38	29.80	24.75	24.41	27.10	17.69
	007280	19.07	29.73	19.37	27.29	12.67	29.73	27.69	22.86	25.34	19.68
	007290	33.44	30.98	15.17	25.52	9.28	32.68	25.92	18.87	26.88	23.30
	007300	31.52	32.31	12.52	27.73	5.45	34.67	25.04	18.13	30.42	25.07
	007310	19.96	29.95	10.60	30.24	8.54	35.19	23.86	18.57	34.62	27.29
	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
	007380	22.32	37.48	9.42	37.33	10.01	40.29	19.59	22.56	31.97	36.59
	007390	21.28	33.93	6.70	30.61	11.19	40.43	17.09	24.19	29.68	38.81
	007400	21.21	32.16	3.83	28.62	10.82	38.00	17.67	27.51	26.22	37.78
	007410	20.99	32.90	2.43	29.80	9.42	37.26	19.59	29.65	28.28	38.07
	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
	007480	16.50	41.25	10.01	43.54	3.68	43.17	8.32	41.84	25.48	33.34
	007490	18.56	38.22	9.13	44.50	.88	45.75	6.18	38.22	24.38	37.18
	007500	18.93	37.78	12.30	42.72	-1.70	44.42	10.97	38.07	23.94	36.96
	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
	007550	15.61	39.40	7.95	48.11	-5.68	48.26	13.77	36.45	24.53	39.55
	007560	13.84	37.63	9.50	49.08	-5.31	52.25	12.89	34.16	20.77	37.18
	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
	007590	22.02	38.81	6.85	53.88	-2.80	49.89	11.93	34.38	15.76	41.32
	007600	17.38	38.74	6.18	53.95	-2.22	52.69	9.94	32.31	11.66	39.84
	007610	11.34	37.78	1.25	52.77	-5.09	54.98	8.39	31.72	10.90	40.43
	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
	007640	18.78	37.78	1.62	57.64	-9.88	61.85	13.25	38.14	11.41	42.21
	007650	18.71	41.39	-1.70	56.24	-9.58	60.01	12.96	39.10	11.49	42.95
	007660	18.71	45.68	-2.36	58.53	-7.08	58.31	12.67	41.17	13.77	43.24
	007670	16.20	46.19	-1.04	57.13	-6.93	58.60	12.81	44.42	15.83	44.42

19.37	16.95	.007170	303.21	91.52	19.10	21.16	26.00	24.26	0.01218	22.75731277
19.00	20.12	.007180	305.27	91.15	19.20	22.86	25.56	26.57	0.01219	21.5050087
18.41	23.45	.007190	307.63	94.25	15.05	25.32	24.40	28.57	0.0122	24.74626732
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
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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
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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
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21.80	34.30	.007450	311.46	146.54	13.65	37.63	21.95	37.26	0.01246	14.21218014
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36.1504097	37.62750626	39.10460281	39.6954422	37.77521515
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42.20650482	39.03074646	38.14448929	43.38818359	31.88682701
41.24839511	43.53589249	43.16661835	41.83723068	33.34392548
38.21834564	44.49600601	45.75154114	38.21834564	37.18437576
37.77521515	42.72349167	44.42215347	38.07063675	36.96281052
39.76929474	42.79734421	42.87120056	40.06471634	34.52560043
43.2404747	45.89925003	42.50192642	40.87712097	31.71911812
43.83131409	48.77958679	43.16661835	39.4000206	33.71319962
43.09276581	48.6318779	44.27444077	39.10460281	37.62750626
39.4000206	48.11489487	48.26260376	36.44582748	39.54773331
37.62750626	49.07500839	52.25076675	34.15632629	37.18437576
37.92292404	50.03512192	52.98931503	34.37789154	37.77521515
39.6954422	52.32461929	49.73970032	36.29811859	40.13856888
38.80918503	53.8755722	49.88740921	34.37789154	41.32024765
38.73532867	53.94942856	52.69389343	32.3099556	39.84315109
37.77521515	52.76774979	54.98339462	31.71911812	40.43399048
37.33208466	55.79579926	57.19903946	34.23018265	40.43399048
35.63342867	58.08530045	60.59636307	35.26415253	41.5418129
37.77521515	57.64218995	61.85189819	38.14448929	42.20650482
41.394104	56.23892593	60.00552368	39.10460281	42.94505692
45.67768478	58.52842712	58.30686188	41.17253876	43.2404747
46.19466782	57.12518692	58.60228348	44.42215347	44.42215347
44.42215347	54.0232811	56.60228348	47.74562073	43.39818359
42.79734421	52.62004089	56.15915298	46.04685892	47.00707245

23.44737434	307.6251221	94.25089427	15.04704952	24.40249634	25.3183651	28.56797791
27.28782654	311.6030579	97.79572296	12.49333191	24.2306118	26.84469795	29.72503662
27.73095703	312.7080078	97.86958313	14.50683975	24.05872726	26.77084351	28.44488716
28.32179451	310.5717468	99.19896698	18.68118668	23.7395134	28.37103271	26.99240875
30.24202156	308.3617859	101.4146118	17.37977219	22.95375252	30.06969261	26.79546165
33.63934326	309.835083	103.9256821	12.6897707	23.07652664	30.3651123	27.50939178
33.86090851	312.9290161	106.289032	7.99977016	22.73275757	29.03572464	26.72160721
33.12236023	311.7503662	108.6523895	7.4841156	22.75731277	28.8141613	25.34298325
33.63934326	309.6877441	111.0895996	10.82359314	23.71495819	28.8141613	25.24450874
37.62750626	308.6564331	112.1974182	17.03600311	24.77082062	28.9126339	26.72160721
38.9589392	309.6877441	112.5666962	19.29506111	24.05872726	29.72503662	27.04164505
38.51376343	311.7503662	111.9020004	16.49579239	23.44485263	31.57140923	27.23859024
37.47979736	311.8240356	108.7262421	13.03354168	23.91139793	31.79297256	27.78019333
37.77521515	312.1923523	111.2373123	12.49333191	24.25516701	29.74965668	28.7649231
36.81510162	310.2033997	116.4810028	12.41966629	22.95375252	25.51531219	29.67580032
37.77521515	310.0560913	119.7306137	12.51788616	20.44914627	22.93039131	30.48820305
37.62750626	311.3083801	118.3273773	12.24778175	18.85307121	25.3183651	29.94660187
37.77521515	311.6030579	119.2136307	12.29689121	20.57192039	32.65461349	29.40499878
37.47979736	312.1923523	126.0082779	12.73888111	24.47616196	37.75059891	30.24202156
37.77521515	312.6343384	132.1382294	13.91752052	26.41600609	38.36605453	32.3099556
34.96873093	314.0339966	133.763031	13.05809593	23.34663391	34.99335098	32.65461349
33.04850388	317.3489075	134.0584564	11.95312214	19.81071663	32.92541504	32.77770233
32.1622467	319.2641907	135.7571259	10.94636822	19.7124958	33.31930542	33.29468918
33.71319962	320.0008545	139.4498596	12.73888111	22.90464401	36.1011734	34.50098419
33.27006912	315.8756104	139.4498596	14.87516499	24.45160675	38.07063675	35.01796722
33.49163437	313.076355	140.2622681	15.78369904	24.00961685	38.95689392	36.07655334
34.304039	311.455719	146.5399323	13.64741516	21.9469986	37.62750626	37.25823212
36.29311859	309.0247803	154.811676	11.95312214	20.42459106	37.84906769	37.70136261
36.74124908	306.8884888	160.9416199	10.50437832	18.95129204	39.79391479	37.33208466
36.59353636	304.9732056	168.554596	10.06238842	16.81500816	42.64963531	37.25823212
37.18437576	304.015564	175.289455	9.5221796	15.48903847	42.82196426	37.52903366
39.84315109	304.9732056	184.5751801	9.84139347	16.34846306	41.64028549	38.29219818
42.35421753	308.6564331	188.5633392	10.50437832	17.35521698	41.81261444	38.98151016
43.60974884	315.8756104	190.0404358	9.81683826	16.83956337	43.88055038	38.73532867
42.35421753	317.4962463	190.7789764	6.87024117	15.8573637	45.25917435	38.48914719
44.6437149	312.1186829	194.6194305	5.15139246	16.02924919	45.33302689	40.45860672
49.07500839	303.7945557	198.5337372	5.96170664	16.12746811	45.25917435	41.68952179
52.84160614	301.0689697	201.4140778	6.01081657	16.0538044	46.31776047	41.394104
52.69389343	302.6159058	203.0388794	5.22505713	15.51359463	46.98245239	41.61566544
51.51221848	304.6785278	203.3343048	6.7965765	14.77694416	47.25325394	42.64963531
47.67176437	304.6785278	200.7493897	8.68730927	12.37055683	47.52405548	41.12330246
46.63779831	304.9732056	199.5677033	7.11579084	11.14280796	48.45954895	39.5969696
48.26260376	304.1628723	197.721344	2.4994545	11.38835716	48.50878525	40.13857269
52.62004089	302.9842529	194.2501526	1.49270046	12.54244137	50.10897446	42.42807007
53.35858917	300.2586365	185.3875732	2.81866932	11.58024265	51.43836212	43.38818359
53.28473282	299.0063477	179.4053345	3.50620818	11.60935211	52.4230957	44.54524231
51.73378372	298.3433533	175.7864533	2.47489977	11.41291237	52.54618454	44.59448242
51.51221848	299.9639893	171.6505737	3.0887742	12.0267868	54.17098999	45.30841064
49.44428253	303.9418945	168.7702332	2.74500442	11.85490227	53.9740448	46.09619522
46.93321609	306.7411499	169.2133637	1.09982061	10.79903793	52.34923935	46.02233887
44.86528015	305.5625305	170.0257721	-0.692693	10.13605309	51.19218063	45.97310257

007680	12.00	44.42	.88	54.02	-9.58	58.60	14.65	47.75	11.85	43.39
007690	9.13	42.80	-.01	52.62	-11.20	58.16	13.40	46.05	8.54	47.01
007700	9.94	43.09	-1.26	54.91	-11.42	59.12	11.78	44.79	8.47	52.25
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
007920	4.49	51.81	3.24	69.61	-16.14	83.20	10.75	58.01	5.00	67.10
007930	6.70	48.85	.29	71.01	-15.77	81.28	11.63	58.97	4.27	67.76
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
007960	7.95	50.33	-5.31	68.65	-7.59	85.49	8.02	60.60	.36	69.31
007970	6.62	50.55	-1.33	71.45	-7.89	86.45	10.75	60.01	2.20	73.08
007980	4.41	49.67	-1.63	71.53	-12.53	83.05	10.01	57.57	1.62	74.78
007990	.95	48.41	-5.82	71.01	-14.96	80.17	5.67	54.76	2.35	76.25
008000	2.06	50.04	-6.49	73.52	-17.17	77.95	6.33	55.94	3.09	75.81
008010	3.53	50.26	-1.48	76.92	-19.45	78.69	10.09	57.13	4.19	76.33
008020	3.83	51.22	2.13	78.84	-22.55	79.72	11.93	56.76	3.53	75.15
008030	2.13	51.96	-.59	79.28	-23.50	80.91	9.28	57.27	3.83	75.44
008040	3.90	54.54	-4.43	79.87	-22.84	81.20	7.95	59.86	2.57	77.14
008050	5.59	54.10	-5.01	77.95	-20.93	82.68	6.70	59.56	1.62	81.94
008060	5.59	53.14	-.30	76.48	-19.75	83.57	6.04	57.64	1.54	84.82
008070	2.35	51.66	1.17	76.62	-18.79	84.01	4.27	56.83	4.12	86.67
008080	1.62	52.10	-.52	78.40	-18.57	84.01	6.04	60.37	5.96	86.81
008090	3.83	51.07	-4.50	78.54	-19.67	85.63	7.80	62.00	5.52	87.55
008100	9.35	51.96	-3.54	78.69	-24.09	86.00	9.42	62.96	2.28	87.55
008110	14.36	52.62	-.74	79.13	-25.35	86.37	9.13	63.62	.36	88.59
008120	16.64	53.58	.07	81.05	-21.96	87.85	10.09	64.81	-.37	89.47
008130	14.88	53.28	-2.36	81.50	-15.77	90.29	11.19	63.92	1.10	89.99
008140	13.03	53.28	-2.95	82.83	-11.79	92.21	13.11	65.54	3.38	86.45
008150	10.16	54.02	-1.92	83.71	-11.28	93.02	9.72	67.76	8.54	83.71
008160	8.83	56.68	.44	85.19	-13.26	93.31	7.36	68.65	9.57	82.38
008170	9.57	58.75	-1.18	83.12	-12.68	93.76	8.32	66.87	7.88	82.09
008180	10.16	58.31	-6.63	82.38	-12.38	93.46	11.78	68.06	4.93	79.43

5.89	46.93	.007680	306.74	169.21	1.10	52.35	10.80	46.02	0.01269	9.93961334
8.47	44.87	.007690	305.56	170.03	-.69	51.19	10.14	45.97	0.0127	7.50867033
13.40	46.34	.007700	302.17	166.85	-.91	52.37	11.22	47.79	0.01271	4.7830677
13.40	47.82	.007710	300.33	162.12	-2.61	52.72	11.02	49.42	0.01272	4.26741314
10.09	49.00	.007720	304.53	161.98	-3.15	53.33	8.79	48.85	0.01273	7.50867033
7.44	47.89	.007730	309.54	160.42	-2.41	55.18	6.65	48.02	0.01274	6.62469101
8.91	48.34	.007740	313.08	157.99	-2.36	57.86	7.21	49.08	0.01275	4.85673285
9.87	48.71	.007750	310.79	156.07	-5.11	58.85	9.01	50.70	0.01276	3.45709872
11.04	50.48	.007760	305.12	156.95	-6.95	58.43	10.36	52.32	0.01277	5.00406265
9.42	49.00	.007770	298.34	156.66	-5.97	57.72	10.36	52.82	0.01278	0.58416605
10.31	48.71	.007780	294.95	153.41	-3.86	58.28	10.97	53.88	0.01279	-5.60368919
12.22	49.37	.007790	297.16	150.08	-4.94	59.09	11.58	55.01	0.0128	-9.94992065
16.79	52.10	.007800	302.47	150.45	-7.62	60.50	12.47	55.67	0.01281	-7.96096706
18.34	51.51	.007810	304.53	152.74	-9.70	60.37	12.20	55.13	0.01282	-5.01436949
17.97	52.99	.007820	303.28	156.88	-8.89	61.16	10.82	55.28	0.01283	-6.34033823
13.84	56.90	.007830	300.85	159.76	-7.57	61.88	8.47	56.78	0.01284	-15.32746124
11.04	61.78	.007840	304.90	161.53	-7.40	62.12	7.75	59.76	0.01285	-18.42138863
8.98	62.30	.007850	312.12	160.20	-10.37	61.36	8.02	60.42	0.01286	-10.39191055
9.50	60.97	.007860	313.15	160.94	-11.15	63.11	8.91	59.59	0.01287	1.91013503
11.27	57.13	.007870	306.00	161.83	-7.86	65.84	8.64	58.09	0.01288	5.07772732
13.84	54.76	.007880	305.56	163.45	-3.25	67.12	7.41	58.36	0.01289	3.01510906
13.70	54.47	.007890	311.97	161.53	-3.15	66.33	6.11	58.23	0.0129	1.61547518
12.44	55.80	.007900	313.96	156.21	-4.79	66.38	6.33	58.28	0.01291	4.48840809
10.23	56.09	.007910	309.69	152.23	-5.06	66.95	7.41	59.34	0.01292	6.69835615
8.10	57.49	.007920	308.66	153.11	-2.80	68.20	7.95	60.87	0.01293	7.65600061
6.11	58.90	.007930	312.12	154.22	-2.93	67.05	7.34	61.88	0.01294	6.9193511
8.10	58.60	.007940	314.33	155.33	-4.03	65.25	6.33	61.70	0.01295	7.95066023
11.19	56.61	.007950	308.51	153.63	-4.15	65.35	5.94	61.29	0.01296	6.62469101
11.93	57.57	.007960	307.70	153.48	-1.65	68.15	6.77	62.49	0.01297	4.41474295
8.39	59.93	.007970	314.70	153.33	-.86	69.48	7.12	64.34	0.01298	0.95249075
7.95	63.18	.007980	321.62	154.44	-3.25	68.08	6.53	65.18	0.01299	2.05746484
8.39	63.62	.007990	320.52	155.62	-6.61	66.53	5.47	64.88	0.013	3.53076363
7.73	64.29	.008000	316.76	156.29	-7.20	67.17	5.72	65.35	0.01301	3.82542348
2.57	62.00	.008010	317.20	153.26	-5.80	68.62	5.62	65.15	0.01302	2.13112974
2.13	61.33	.008020	320.59	149.72	-5.53	69.93	5.86	64.41	0.01303	3.89908838
4.41	61.26	.008030	321.62	148.39	-7.32	70.71	5.84	64.66	0.01304	5.58338188
6.40	65.10	.008040	323.17	150.82	-7.79	71.87	5.64	67.37	0.01305	5.58338188
3.97	67.39	.008050	321.62	152.37	-6.78	71.58	4.10	69.63	0.01306	2.35212469
4.41	69.24	.008060	320.59	158.87	-4.82	71.06	4.00	70.57	0.01307	1.61547518
5.15	68.06	.008070	319.49	164.93	-5.09	70.76	4.51	70.52	0.01308	3.82542348
5.45	67.76	.008080	320.07	163.45	-5.82	71.50	5.81	71.65	0.01309	9.35029411
4.27	68.06	.008090	320.07	153.85	-6.78	71.75	5.86	72.54	0.0131	14.35951042
4.93	70.71	.008100	321.03	147.57	-6.09	72.22	5.54	73.74	0.01311	16.64312363
4.78	71.38	.008110	321.99	146.76	-3.91	72.71	4.76	74.53	0.01312	14.87516499
6.55	71.60	.008120	323.39	150.45	-1.75	74.16	5.42	75.29	0.01313	13.03354073
7.58	70.86	.008130	324.64	153.85	-1.09	75.02	6.62	74.92	0.01314	10.16060829
7.58	70.94	.008140	326.78	155.33	-.57	76.11	8.02	74.31	0.01315	8.83463955
6.55	70.42	.008150	324.42	152.82	-1.01	76.92	8.27	73.96	0.01316	9.57128906
9.13	71.75	.008160	320.74	151.93	-1.33	78.40	8.69	74.26	0.01317	10.16060829
10.31	71.90	.008170	317.79	151.93	-1.43	78.54	8.83	73.62	0.01318	8.6136446
8.61	71.90	.008180	318.09	151.93	-2.95	78.05	8.44	73.13	0.01319	10.16060829

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-6.63499832	-9.94992065	9.20296383	13.40186596	10.30793858
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-3.24841085	-11.2758894	1.61547518	3.01510906	13.69652557
-3.24841085	-14.14882183	5.00406265	1.54181027	12.4442215
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0.28950629	-15.76945114	11.63390732	4.26741314	6.10903645
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-1.47845232	-19.45269775	10.08694363	4.193748	2.5731194
2.13112974	-22.54662514	11.92856693	3.53076363	2.13112974
-0.594473	-23.50427055	9.27652945	3.82542348	4.41474295
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-5.01436949	-20.92599678	6.69835615	1.61547518	3.97275329
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1.17348564	-18.78971291	4.26741314	4.12008333	5.15139246
-0.52080804	-18.56871796	6.03537178	5.96170664	5.44605207
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-3.5410707	-24.09358978	9.42395878	2.27845979	4.93039751
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-2.36243153	-15.76945114	11.19191742	1.09982061	7.58233547
-2.95175099	-11.79154396	13.10720634	3.38343382	7.58233547
-1.92044199	-11.2758894	9.71861839	8.53997993	6.55102634
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-1.18379247	-12.67552376	8.31898499	7.87699509	10.30793858
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-13.1175127	-20.26301193	5.44605207	3.16243887	3.38343362

43.09276581	54.90954208	59.11926651	44.79142761	52.25076675
41.24639511	55.42652512	61.48262024	44.79142761	55.64809036
40.65555573	55.7219429	63.62441254	46.04695892	51.51221848
42.50192642	55.64809036	67.39100647	46.49008942	49.66584778
46.71165085	55.42652512	71.45302582	48.11489487	50.7736702
45.75154114	55.35266876	74.85034943	50.99523544	52.39847565
43.83131409	55.57423401	75.88431549	55.79579926	50.69981384
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47.81947327	56.68205643	72.7824173	55.94350815	59.71010C59
49.96126556	57.78987885	73.74252319	56.68205643	58.23300934
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47.15478134	62.66429901	79.50320435	60.52251053	57.27289581
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62.29502487	312.1186829	160.2030792	-10.36735535	8.02432537	61.3595314	60.42403793
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63.18128204	321.62146	154.4423981	-3.24641085	6.52647161	68.08032227	65.17536163
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	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	4.64	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	-10.61	82.53	-18.42	86.89	-1.15	75.88	-1.11	85.63
	008410	13.40	62.89	-8.11	82.83	-17.39	88.44	2.28	75.37	-7.4	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	-3.30	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	3.48	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	80.84	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
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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
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64.28910828	312.8553467	141.5916443	1.61547494	9.69406414	84.50071716	73.20092773
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64.6583786	314.7706299	135.0924225	0.70694095	8.83463955	81.15263367	73.07783508
62.29502487	312.1923523	125.1958771	0.38772622	11.19191742	80.95568085	72.38851929
60.07938004	306.9621582	121.355423	1.24715054	13.08265114	79.8724823	71.60073853
58.89770126	301.1426086	121.2815704	1.76280487	13.89296532	78.61694336	71.57611847

.008700	10.38	68.35	1.62	84.01	-8.26	87.26	14.36	74.55	10.68	80.17
.008710	13.03	67.17	2.13	81.05	-9.88	87.63	11.93	74.92	10.60	80.91
.008720	14.80	66.28	2.28	82.53	-9.80	90.29	14.65	75.15	8.69	80.24
.008730	13.77	66.80	3.09	86.52	-7.52	91.69	17.09	73.45	10.31	79.72
.008740	11.19	68.35	6.77	89.18	-5.97	91.54	17.23	73.00	10.97	77.80
.008750	8.47	66.58	7.95	86.96	-5.46	94.13	14.73	72.63	11.71	77.36
.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
.008780	11.71	66.36	3.97	78.62	-7.00	88.29	10.38	72.27	16.27	83.20
.008790	8.17	67.46	5.74	80.32	-5.75	89.77	11.04	71.31	17.23	83.57
.008800	5.00	68.42	7.51	80.02	-8.84	89.47	11.63	70.94	15.61	81.72
.008810	5.96	67.61	7.36	77.66	-10.69	87.26	11.12	68.79	16.35	82.24
.008820	11.27	67.39	7.14	77.80	-9.43	84.38	14.29	69.09	16.72	82.38
.008830	14.80	67.46	6.04	78.91	-4.13	84.30	16.35	70.49	16.57	81.13
.008840	15.39	66.95	4.71	76.18	-1.85	83.27	16.27	72.56	16.20	79.21
.008850	14.29	62.07	2.50	69.90	-1.92	83.27	13.55	71.90	19.44	80.17
.008860	15.02	59.93	3.09	68.42	-3.39	84.08	12.67	70.12	22.54	79.87
.008870	14.21	62.22	3.53	70.05	-3.98	85.71	12.89	67.98	22.68	76.18
.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
.008910	15.91	61.41	3.46	67.76	-6.19	82.31	11.04	68.35	20.18	78.54
.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
.008940	16.35	63.18	2.28	67.91	-8.62	79.36	13.18	66.14	22.68	78.84
.008950	15.10	62.52	4.49	70.57	-7.67	83.42	11.93	66.36	21.21	80.76
.008960	13.25	61.78	4.49	69.68	-6.86	85.78	12.52	67.02	17.97	80.61
.008970	10.90	59.05	.29	65.40	-5.66	84.23	13.25	65.54	18.34	81.64
.008980	10.90	59.78	-1.04	66.36	-5.38	79.28	17.01	65.69	20.55	82.01
.008990	9.13	60.67	.29	69.46	-3.54	77.51	18.71	66.21	20.92	82.53
.009000	8.61	62.00	3.31	68.42	-2.88	77.73	19.96	70.12	15.91	82.24
.009010	10.01	64.22	5.08	65.40	-1.99	79.87	17.67	72.71	14.73	82.61
.009020	12.08	66.58	5.59	68.94	-1.33	80.68	17.38	73.52	19.22	81.05
.009030	9.87	66.36	3.83	74.70	-.15	81.64	17.82	71.90	24.38	78.10
.009040	6.77	66.14	3.24	75.59	-1.55	81.64	19.88	73.08	22.39	73.82
.009050	7.07	66.06	3.60	71.31	-4.72	81.35	19.00	73.08	19.59	73.96
.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
.009090	13.25	62.00	.07	72.34	.73	77.07	22.09	69.16	14.58	78.62
.009100	12.08	61.63	-1.18	71.60	-2.51	76.99	19.00	71.45	13.99	78.69
.009110	10.97	60.52	1.62	75.44	-1.18	78.54	14.80	70.71	16.64	79.28
.009120	11.56	61.11	5.00	79.95	.51	78.84	16.13	69.98	19.07	78.17
.009130	12.15	61.26	3.68	79.13	.81	77.88	19.15	68.79	21.87	77.29
.009140	12.81	61.56	2.35	76.11	-.15	76.25	21.36	69.02	23.57	77.07
.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
.009200	9.87	59.49	6.18	76.18	.58	74.85	18.71	65.54	24.60	66.58

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	19.96	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
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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	26.86155434
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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4.70940256	-1.84677696	16.27479935	16.20113373	21.72600365
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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
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3.82542348	-0.15248336	17.82176208	24.37794113	24.81993103
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6.18270159	0.58416605	18.70574188	24.59893608	19.81071472
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60.52251053	75.441185	78.54309082	70.71447754	79.2816391
61.1133461	79.94633484	78.83850861	69.97592926	78.1738205
61.26105881	79.13393402	77.87839508	68.79425049	77.28755951
61.55547659	76.10588074	76.25359344	69.01581573	77.06599426
61.63033295	75.58889771	76.62286377	68.05570221	76.0320282
62.73815536	75.88431549	76.62286377	69.68051147	72.1915741
62.29502487	72.63470459	77.73069	69.60685894	70.49291229
60.81792831	70.71447754	77.95225525	68.05570221	70.78833008
58.89770126	72.93012238	77.73069	65.69234467	70.27134705
59.48854065	76.17973328	74.85034943	65.54463959	66.57860565
61.4087677	75.29347992	74.85034943	65.10150909	65.54463959
63.99368668	75.73661041	76.10588074	65.69234467	67.24330139

59.85781479	302.6159058	118.1058121	2.42578959	14.92427444	79.70014954	71.7484436
60.22708893	311.0874023	113.0836792	3.11332893	14.82605553	81.6696167	71.13298798
61.99960709	315.7282715	114.5607758	3.99730849	14.01574039	83.02362061	70.93604279
61.26105881	311.0137329	120.6168747	3.65353847	12.81254578	82.55587006	70.41905975
59.85781479	306.4465027	123.8664856	3.03966427	13.30364609	80.88182831	70.34520721
58.89770126	306.0045166	119.5829086	2.6222291	14.06485081	78.44461823	70.7390976
60.52251053	308.803772	118.3273773	2.89233398	15.21893406	77.75530243	71.99462891
59.7101059	307.4041443	118.5489349	2.72044921	15.46448421	79.1831665	71.52688599
58.45457458	306.2991638	118.1058121	1.22259569	15.68547821	79.30625916	70.36981964
56.53434753	307.3304749	115.151619	0.87882566	17.55165863	77.50912476	69.18814087
54.61412046	309.5404358	114.1915054	2.99055306	20.08082008	76.52439117	63.69577789
53.72786331	309.1720886	113.89608	5.56882715	19.58971977	76.89366913	68.44960022
56.82976532	308.7301025	113.4529572	6.08448172	18.06731224	75.46580505	69.53279877
57.71802631	311.7503662	112.7144089	4.95495224	17.82176208	71.7484436	69.92669678
57.05133057	314.7706299	113.4529572	4.90584278	19.39328003	70.81295013	69.01581573
57.42060471	310.4980774	112.6405487	4.58662796	19.51605606	72.66032465	67.19406128
60.44865417	307.6251221	112.4928436	3.67809367	18.60752106	73.545578	67.16944885
58.01144409	309.2457581	109.5396505	2.67133927	17.52710342	71.28070068	66.52937317
54.09713745	312.7080078	105.8459015	3.43254399	17.35521698	70.06902191	66.28318787
51.73378372	311.3083801	99.19896698	4.39018822	17.91998291	70.49291229	66.20933533
51.73378372	309.6877441	96.3186264	4.04641819	19.34417152	70.49291229	66.20933533
50.7736702	310.4980774	100.4544983	3.21154881	20.00715637	69.65589142	65.29846191
54.88339462	311.8977051	104.7380829	3.33432364	19.95804596	70.14826202	66.65245819
58.60228348	309.9087524	102.8917084	3.97275329	18.3128624	72.16695404	68.57268524
60.22708893	306.4465027	85.01883698	3.62898374	17.15877724	72.41313934	69.28662109
57.27289581	304.3838806	31.99105644	1.83647013	17.4288826	69.55741882	68.1541748
56.60820389	306.4465027	-30.49014664	1.49270034	19.85982513	68.47421265	68.10493469
60.59636307	307.4041443	-21.55370903	1.95924497	20.20359612	69.21276093	69.77898407
72.63470459	310.2033997	58.35723877	3.01510906	18.70574188	69.38509369	74.99806213
78.69080353	311.8977051	104.3688049	4.36563301	17.57621193	69.82821655	78.00148773
68.64854541	313.2236633	90.04096985	5.44605207	19.6879406	72.06848145	74.40721893
54.0232811	313.076355	76.89490591	4.51296282	22.33987808	74.2348938	68.00646973
52.02920151	312.7080078	90.04096985	2.81866932	22.58087303	74.45645905	66.30780792
56.97747803	312.2660217	99.86396272	1.98379982	20.47369957	72.90550995	68.00646973
60.00552368	313.3710022	93.80756378	3.89908862	20.00715446	71.72383118	69.23738098
58.08530045	312.045044	88.85929108	6.87024117	20.42459106	71.67459106	68.44960022
56.53434753	312.6343384	94.47225952	7.21401072	20.57192039	71.50226593	67.88337708
57.42060471	313.9603272	97.20488739	4.68484783	18.92673492	70.46829224	68.40036011
60.81792831	316.0229492	93.88141632	2.79411435	18.23919678	70.07440186	70.32058716
60.59636307	312.2660217	86.49593353	3.80086851	18.04275703	71.5022583	70.19749451
61.4087677	308.2881165	82.95090485	5.69160223	19.27050591	73.2993927	69.85283661
62.14731596	307.0358276	81.69536591	5.54427195	20.08082008	72.75779724	69.40970612
61.85189819	309.7614136	84.50185394	5.00406218	20.94024467	71.30531311	69.31123352
67.64216995	310.7927246	90.04096985	7.33678579	20.32637024	71.28070068	71.24330139
57.27289581	307.4041443	91.3703537	11.95312119	19.61427689	71.7484436	66.38166046
56.97747803	304.7521973	86.93906403	13.69652557	19.2459507	70.8868103	65.69235229
56.23892593	307.4778137	87.60375977	10.8972578	20.1299305	69.82821655	65.02764893
54.1709938	311.7503662	93.88141632	7.45956039	20.52280998	69.85283661	63.37822723
53.58015442	315.212616	99.64209747	5.54427195	21.03846359	70.17287445	61.90113449
51.51221846	311.6030579	87.3526001	4.12008333	20.44914436	70.51753235	60.71945572
51.29065323	307.9934692	94.91539001	4.7585125	20.5964756	71.94538879	61.4087677

	.009210	9.94	61.41	1.84	75.29	.56	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
	.009230	7.66	63.99	10.09	78.76	3.60	77.58	21.87	65.54	22.02	71.45
	.009240	7.88	63.18	14.88	80.17	3.97	74.78	22.09	67.02	21.80	74.70
	.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
	.009370	-7.67	58.31	17.16	77.73	11.12	64.44	19.74	69.83	19.22	76.33
	.009380	-4.87	60.23	16.50	78.40	10.01	65.99	21.36	71.90	19.15	77.21
	.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
	.009420	9.28	58.90	14.58	71.23	7.95	67.24	21.28	72.19	11.27	75.44
	.009430	13.11	58.75	16.72	73.23	11.19	69.83	17.23	72.49	11.85	76.48
	.009440	13.03	60.97	19.59	74.63	10.31	70.42	13.84	72.19	14.73	76.48
	.009450	8.69	62.59	17.82	72.78	8.17	73.08	14.29	72.19	14.51	75.15
	.009460	5.30	62.59	15.32	71.31	5.45	72.49	18.41	74.11	9.72	72.56
	.009470	6.33	60.15	15.02	71.01	6.48	70.64	19.22	74.26	9.87	73.59
	.009480	11.27	58.97	15.61	71.75	7.14	68.94	18.63	74.78	13.40	75.37
	.009490	13.99	60.08	13.33	72.12	8.39	71.16	16.05	73.67	15.61	75.88
	.009500	13.48	61.26	11.27	72.19	7.21	71.90	17.38	72.86	13.25	73.89
	.009510	10.60	60.52	10.01	71.08	8.10	71.53	18.71	71.31	12.15	72.78
	.009520	8.39	61.19	10.23	70.27	9.28	68.79	20.92	71.90	13.55	71.23
	.009530	7.95	62.81	10.68	70.27	10.23	70.27	24.45	71.16	23.71	71.75
	.009540	9.20	62.59	10.90	71.82	7.51	71.90	35.87	71.23	37.27	71.90
	.009550	10.46	58.82	9.06	73.96	5.59	71.45	46.99	70.27	43.75	73.00
	.009560	10.23	56.31	6.99	74.70	5.89	68.65	40.95	68.72	28.58	73.89
	.009570	8.39	56.83	6.55	72.71	8.25	69.83	20.84	66.43	7.66	75.96
	.009580	8.32	58.75	7.51	71.01	6.33	70.64	14.51	66.80	2.35	76.99
	.009590	9.87	58.45	6.62	70.49	2.87	70.27	21.28	67.61	11.34	78.99
	.009600	11.49	58.01	4.49	71.45	-.08	67.83	22.17	68.13	16.20	79.95
	.009610	10.75	58.60	4.27	71.67	1.32	67.69	14.43	67.61	14.14	80.98
	.009620	11.34	59.78	7.80	70.79	3.16	67.46	12.37	68.57	11.93	81.05
	.009630	11.85	59.49	10.68	71.01	3.83	66.87	15.32	69.46	15.76	83.20
	.009640	11.78	59.78	8.10	72.63	.36	66.14	17.09	71.08	18.63	84.16
	.009650	9.72	59.34	3.83	72.71	-1.77	66.21	13.03	71.90	19.15	84.01
	.009660	8.98	58.82	2.57	71.08	-.74	66.28	8.91	73.67	17.75	81.13
	.009670	10.90	59.12	3.68	70.94	2.65	67.32	7.44	73.82	19.00	79.72
	.009680	13.40	60.37	5.23	73.15	3.09	66.95	10.75	75.81	17.60	77.29
	.009690	12.96	60.30	4.86	74.11	3.09	66.87	12.74	78.99	15.46	75.81
	.009700	10.60	59.64	4.12	73.67	2.28	68.06	14.58	82.24	13.33	74.63
	.009710	9.87	60.23	3.60	73.82	2.94	70.94	15.24	81.20	13.70	75.74

17.97	51.51	.009210	311.60	97.35	4.12	70.52	20.45	60.72	0.01422	7.65600061
18.12	51.29	.009220	307.99	94.92	4.76	71.95	20.60	61.41	0.01423	7.87699509
18.78	51.81	.009230	308.36	95.73	7.12	73.45	20.69	62.94	0.01424	7.95066023
20.62	53.88	.009240	311.46	98.17	8.91	72.71	21.51	65.20	0.01425	8.83463955
22.61	54.17	.009250	312.63	99.20	8.07	70.17	21.51	66.36	0.01426	10.97092247
26.15	54.17	.009260	310.06	98.76	6.67	69.34	22.29	67.07	0.01427	12.4442215
26.96	52.69	.009270	310.06	100.09	7.78	70.86	23.42	67.44	0.01428	10.23427296
25.19	52.84	.009280	313.08	102.01	9.40	72.29	23.59	67.46	0.01429	7.95066023
23.27	54.98	.009290	313.30	100.53	9.40	71.87	22.39	67.42	0.0143	8.09799004
22.54	59.64	.009300	312.12	99.72	8.37	71.03	21.95	68.84	0.01431	10.01327896
20.47	61.26	.009310	309.39	99.57	9.28	71.58	21.09	70.07	0.01432	10.30793858
21.36	62.22	.009320	308.88	101.12	11.24	71.85	20.92	70.94	0.01433	8.68730927
23.13	63.11	.009330	309.17	100.90	11.98	70.42	21.33	71.03	0.01434	3.45709872
25.34	64.51	.009340	310.06	100.75	10.73	67.81	22.76	71.60	0.01435	-3.02541614
25.92	64.07	.009350	310.94	102.30	9.33	65.96	23.17	71.63	0.01436	-7.66630745
25.56	65.54	.009360	311.09	104.37	8.22	65.67	22.27	71.38	0.01437	-4.86703968
20.69	66.28	.009370	310.57	105.40	6.87	66.82	19.88	70.81	0.01438	1.24715054
17.67	67.69	.009380	309.84	104.22	7.21	68.20	19.39	72.27	0.01439	5.15139246
17.38	67.39	.009390	308.80	102.74	9.18	68.28	19.37	73.79	0.0144	5.15139246
20.18	67.32	.009400	311.82	104.37	9.50	66.50	20.15	73.64	0.01441	9.27662945
20.11	65.77	.009410	314.18	105.62	8.74	65.10	19.20	71.63	0.01442	13.10720634
20.55	66.43	.009420	315.73	105.55	10.60	65.79	17.70	71.35	0.01443	13.03354073
20.69	65.99	.009430	314.92	103.19	13.67	67.27	16.59	71.65	0.01444	8.68730927
20.33	63.03	.009440	314.70	103.41	14.31	68.67	16.30	70.57	0.01445	5.26872227
17.53	58.60	.009450	311.53	106.88	11.56	69.48	15.44	68.65	0.01446	6.33003139
16.64	58.31	.009460	306.15	109.39	8.69	68.79	14.92	68.33	0.01447	11.26558208
15.91	58.90	.009470	302.62	112.05	9.28	67.27	15.00	68.92	0.01448	13.99118519
16.86	59.93	.009480	304.16	120.62	11.34	66.55	16.30	70.03	0.01449	13.47553062
16.50	59.49	.009490	308.36	123.35	11.90	67.78	16.05	69.68	0.0145	10.60259819
16.05	57.49	.009500	310.65	111.16	10.85	68.45	15.56	68.08	0.01451	8.38264965
16.20	55.72	.009510	306.74	94.32	9.57	67.71	15.69	66.60	0.01452	7.95066023
17.75	56.53	.009520	304.53	93.00	9.30	66.75	17.40	66.55	0.01453	9.20296383
18.71	58.01	.009530	305.27	100.90	9.62	67.78	22.29	66.97	0.01454	10.45526791
17.82	58.60	.009540	309.25	106.14	9.20	68.77	30.32	67.24	0.01455	10.23427296
16.13	59.34	.009550	310.79	103.70	8.37	68.08	35.62	67.54	0.01456	8.39264965
15.98	61.93	.009560	312.27	101.12	7.71	66.55	28.50	68.18	0.01457	8.31898499
15.39	61.48	.009570	315.36	102.01	7.73	66.46	14.63	67.96	0.01458	9.86594868
17.38	60.67	.009580	318.45	104.00	7.39	66.80	11.41	68.15	0.01459	11.48657703
19.15	61.26	.009590	318.16	103.19	6.45	66.41	17.26	69.29	0.0146	10.74992752
20.47	63.99	.009600	316.76	104.89	5.30	65.77	19.61	70.69	0.01461	11.3392477
19.30	63.62	.009610	315.88	114.04	5.45	65.99	15.96	70.74	0.01462	11.85490227
19.74	63.48	.009620	318.23	125.42	7.44	66.01	14.68	71.03	0.01463	11.78123665
19.37	62.74	.009630	319.12	118.62	8.79	65.79	16.82	71.80	0.01464	9.71861839
17.97	62.30	.009640	319.93	104.22	6.75	66.18	17.60	72.51	0.01465	8.98196888
14.88	60.82	.009650	319.56	98.78	3.92	66.09	15.69	72.24	0.01466	10.8972578
15.61	60.82	.009660	318.31	99.94	3.60	65.40	14.09	71.87	0.01467	13.40186596
18.56	59.78	.009670	316.54	98.68	5.74	65.79	15.00	71.11	0.01468	12.95987606
22.54	61.11	.009680	314.55	96.76	7.24	66.82	16.96	71.40	0.01469	10.60259819
22.39	62.15	.009690	316.17	98.31	6.97	67.10	16.66	72.31	0.0147	9.86594868
18.85	61.85	.009700	317.79	99.57	5.67	67.12	15.59	72.91	0.01471	12.51788616
16.57	59.49	.009710	317.50	100.68	5.47	68.33	15.17	72.14	0.01472	15.31715393

10.08894363	3.60442853	21.87333488	22.02066422	18.77940559
14.87516499	3.97275329	22.09432793	21.79966927	20.62103081
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9.86594866	5.88804197	25.18825722	20.40003586	25.18825722
11.19191742	6.77202129	23.93595314	19.95804596	23.27296829
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14.58050442	5.15139246	19.81071472	22.97830772	20.47369957
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19.44239044	6.18270159	23.49396324	17.37977219	23.12563705
17.23244286	6.25636673	26.73521996	16.20113373	25.33558655
15.24348927	9.27662945	25.63024521	17.96909142	25.92490578
16.20113373	11.48657703	22.53631783	18.70574188	25.5565815
17.15877724	11.11825275	19.73705101	19.22139549	20.69469452
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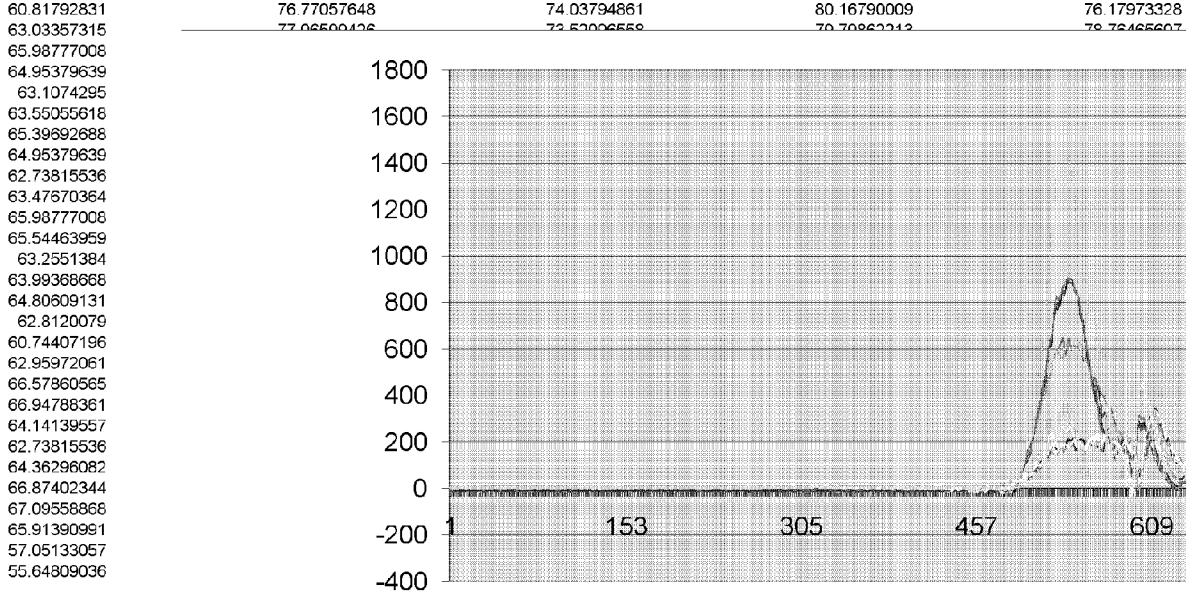
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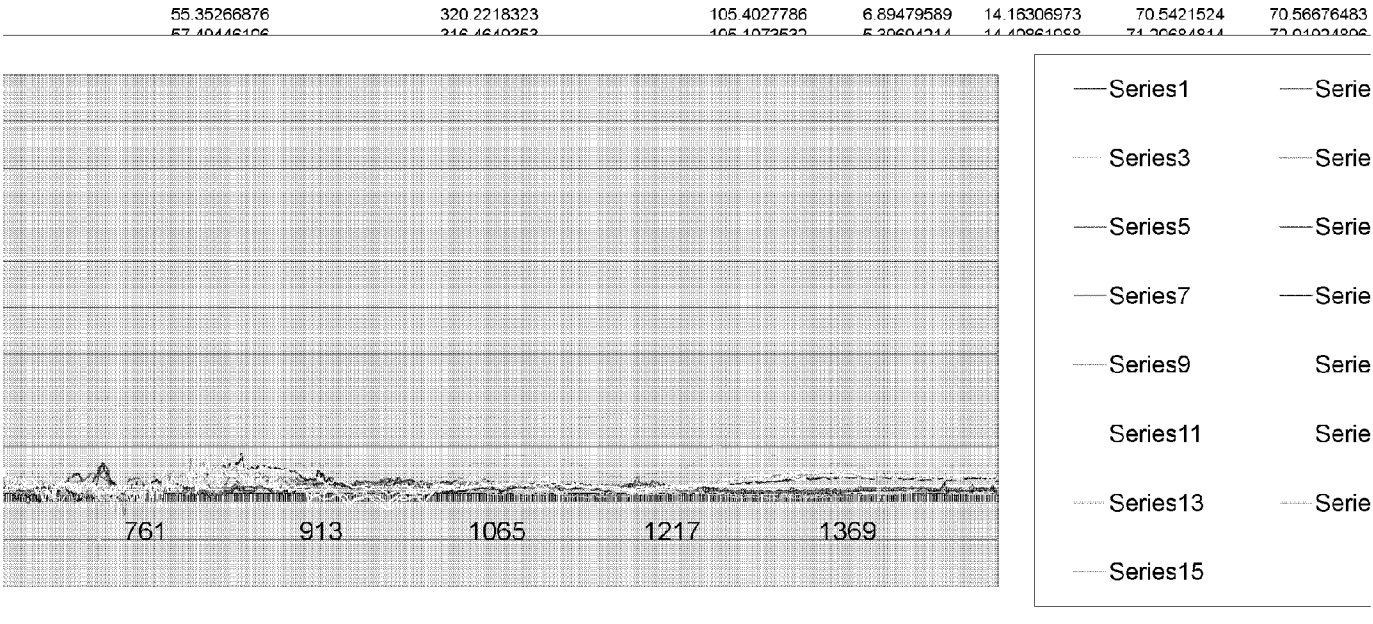
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15.61	58.16	.009970	306.81	106.44	11.12	67.46	18.58	70.62	0.01498	4.26741314
15.91	57.05	.009980	306.00	115.52	7.46	68.57	17.04	70.94	0.01497	15.90647411
15.02	55.65	.009990	308.51	119.21	2.94	69.29	16.13	70.62	0.01498	15.02249432
21.80	67.10	.010000	306.00	115.52						
4.27	65.91	.010010	308.51	119.21						
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11.04458809	22.31532288	-0.29981324	4.85673285	4.26741314





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