

GNRO-2007/00056

August 16, 2007

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

**SUBJECT:** Supplement 3 to Amendment Request:  
Changes to the LPRM Calibration Frequency (TAC No. MD3469)  
Grand Gulf Nuclear Station, Unit 1 (GGNS)  
Docket No. 50-416  
License No. NPF-29

**REFERENCES:**

1. Letter GNRO-2006/00058, "License Amendment Request: Changes to the Local Power Range Monitor (LPRM) Calibration Frequency," dated November 1, 2006 (ADAMS Accession No. ML063130372)
2. Letter GNRO-2007/00018, "Supplement to License Amendment Request: Changes to the Local Power Range Monitor (LPRM) Calibration Frequency," dated April 4, 2007 (ADAMS Accession No. ML070950059)
3. Letter GNRO-2007/00031, "Supplement 2 to License Amendment Request: Changes to the Local Power Range Monitor (LPRM) Calibration Frequency," dated May 7, 2007 (ADAMS Accession No. ML070950059)

Dear Sir or Madam:

By Reference 1, Entergy Operations, Inc. (Entergy) proposed a change to the Grand Gulf Nuclear Station, Unit 1 (GGNS) Technical Specifications (TSs) to extend the Local Power Range Monitor (LPRM) calibration interval from 1000 megawatt days per ton (MWD/T) to 2000 MWD/T (i.e., from approximately every 36 days to approximately every 72 days).

Entergy provided supplemental information by References 2 and 3. Entergy subsequently held calls with the NRC staff on May 16 and July 27, 2007 to discuss additional follow-up questions. As a result of the calls, two questions were determined to need formal response. Entergy's response is contained in Attachments 1, 2, and 3.

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Some of the information in Attachment 1, "Response to Request For Additional Information - Proprietary," is proprietary to AREVA NP Inc. AREVA NP requests that the proprietary information be withheld from public disclosure in accordance with 10 CFR 2.390. A non-proprietary version of Attachment 1 is provided as Attachment 2, "Response to Request For Additional Information - Non-Proprietary." An affidavit by the information owner, AREVA NP, supporting the request for non-disclosure is provided in Attachment 3. The response to the request for non-disclosure should be provided to:

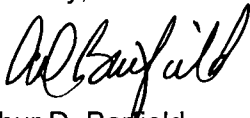
Mr. Jerald S. Holm  
AREVA NP Inc.  
Product Licensing and Regulatory Affairs, OF16  
3315 Old Forest Road  
PO BOX 10935  
Lynchburg, VA 24501

There are no technical changes proposed. The original no significant hazards consideration included in the referenced letter is not affected by any information contained in the supplemental letter. There are no new commitments contained in this letter.

If you have any questions or require additional information, please contact Ron Byrd at 601-368-5792.

I declare under penalty of perjury that the foregoing is true and correct. Executed on August 16, 2007.

Sincerely,



Arthur D. Barfield  
Director, Nuclear Safety Assurance

ADB/RWB

Attachments:

1. Response to Request For Additional Information - Proprietary
2. Response to Request For Additional Information - Nonproprietary
3. AREVA NP Affidavit to Withhold Information From Public Disclosure
4. GGNS LPRM Calibration Data

cc: (See Next Page)

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cc: U.S. Nuclear Regulatory Commission  
ATTN: Mr. Bhalchandra Vaidya, NRR/DORL (w/2)  
**ATTN: ADDRESSEE ONLY**  
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Dr. Bruce S. Mallett  
Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
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Mr. Brian W. Amy, MD, MHA, MPH  
Mississippi Department of Health  
P. O. Box 1700  
Jackson, MS 39215-1700

NRC Senior Resident Inspector  
Grand Gulf Nuclear Station  
Port Gibson, MS 39150

**Attachment 2**

**To**

**GNRO-2007/00056**

**Response to Request for Additional Information (Nonproprietary)**

**Response to Request for Additional Information (RAI)  
Nonproprietary**

Based on the responses for Question 4 (dated April 4, 2007) and Question 4c (dated May 7, 2007), the staff needs additional information to address the consistency of results and the corresponding data samples used in Table 1 in original submittal (GNRO-2006/00058, dated November 1, 2006), and the responses provided with respect to 2500 MWD/T. Please provide the following information to clarify the responses.

Question 1:

Please provide analysis results using actual plant data in a separate Table (say Table 1A), similar to Table 1 in original submittal dated November 1, 2006. Also, explain the type of sample data points (simulated, actual plant, or mixed), used in both tables, and add a column for Relative Standard Deviation at 2500 MWD/T (25% allowance).

Response:

The two requested tables of analysis results are provided below. The first table uses only actual data whereas the second table includes actual data and additional data that was created by skipping an intermediate calibration to simulate the effect of an extended calibration interval. Also, both tables include calculation results using two different types of detector sensitivity values, a fixed detector sensitivity value and detector specific sensitivity values. The LPRM uncertainty results using the detector specific sensitivity values are more appropriate for the evaluation because detector specific sensitivities are used in the GGNS calibration process. Since the greater uncertainties associated with a fixed detector sensitivity are not representative of actual practice, it would be inappropriate and overly conservative to evaluate the effect of an extended calibration interval based upon a fixed detector sensitivity. The LPRM uncertainty calculations show that when the detector specific sensitivity values are used, the increased uncertainty for the extended calibration interval is well within the uncertainty used in the safety limit analysis.

The analysis results using actual plant data are provided in the first table below. These results may differ from the results in the original Table 1 since the exposure intervals have been divided differently in order to address the request for additional information. The exposure intervals for this analysis were defined as the collection of data  $\pm 500$  MWd/MTU around the specified interval. For example, the standard deviation for 2000 MWd/MTU is determined by evaluating all the data between calibration intervals of 1500 MWd/MTU and 2500 MWd/MTU.

LPRM Decay Factor ( $\lambda$ )	Relative Standard Deviation (%) for Various Calibration Intervals (MWd/MTU) / (Number of data points)		
	1000	2000*	2500
Detector Specific Sensitivity	[ ]	[ ]	[ ]
Fixed Detector Sensitivity	[ ]	[ ]	[ ]
* Table 1 of Reference 1 calculated the uncertainty at the 2000 MWd/MTU interval using data up to 3000 MWd/MTU. The results in this table differ because the data has been divided between a 2000 MWd/MTU interval and the 2500 MWd/MTU interval.			

The detector specific sensitivity interval of 2500 MWd/MTU does not appear to follow the expected general trend of increasing standard deviation. This appears to be an anomaly of the data caused by the smaller sample which only happens to exhibit a smaller standard deviation. A linear extrapolation of the first two data points would indicate an expected standard deviation of [ ]. Even with this value the delta standard deviation of [ ] is well below the delta standard deviation used for the safety limit analysis.

When additional data is included in the database from creating longer exposure intervals by skipping an intermediate calibration, the table of uncertainties is as follows:

LPRM Decay Factor ( $\lambda$ )	Relative Standard Deviation (%) for Various Calibration Intervals (MWd/MTU) / (Number of data points)		
	1000	2000	2500
Detector Specific Sensitivity	[ ]	[ ]	[ ]
Fixed Detector Sensitivity	[ ]	[ ]	[ ]

Since Grand Gulf routinely calculates detector specific sensitivities, the difference in standard deviations between the 1000 MWD/MTU and the upper bound calibration interval of 2500 MWd/MTU is [ ]. Since a value of 3.4% has been used for the current calibration interval, the appropriate value for the extended calibration interval would be [ ]. The safety limit analysis used an LPRM uncertainty value of 4.3%, which is conservative.

A histogram of all of the data collected for relative difference intervals is shown in the following figure. The data indicates that the detector specific sensitivity is expected to have a smaller standard deviation than the fixed detector sensitivity. The figure shows a slight positive shift of the detector specific sensitivity data, which is primarily due to the choice of the fixed sensitivity value. We have previously shown the standard deviation value to be insensitive to the value of the fixed detector sensitivity (see response to question 3 of Reference 3).



Question 2:

Please provide the sets of data samples used in the analysis for both tables mentioned in Question 1 above.

Response:

The Grand Gulf data is provided in Attachment 4.

**Attachment 3**

**To**

**GNRO-2007/00056**

**AREVA NP Affidavit to Withhold Information From Public Disclosure**



AFFIDAVIT

STATE OF WASHINGTON )  
  ) ss.  
COUNTY OF BENTON        )

1. My name is Jerald S. Holm. I am Manager, Product Licensing, for AREVA NP Inc. and as such I am authorized to execute this Affidavit.

2. I am familiar with the criteria applied by AREVA NP to determine whether certain AREVA NP information is proprietary. I am familiar with the policies established by AREVA NP to ensure the proper application of these criteria.

3. I am familiar with the AREVA NP information contained in the Entergy letter number GNRO-2007/00056, titled *Supplement 3 to Amendment Request: Changes to the LPRM Calibration Frequency* and referred to herein as "Document." Information contained in this Document has been classified by AREVA NP as proprietary in accordance with the policies established by AREVA NP for the control and protection of proprietary and confidential information.

4. This Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by AREVA NP and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in this Document as proprietary and confidential.

5. This Document has been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in this Document be withheld from public disclosure. The request for withholding of proprietary information is made in accordance with 10 CFR 2.390. The information for which withholding from disclosure is

requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information".

6. The following criteria are customarily applied by AREVA NP to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA NP.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraph 6(d) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document have been made available, on a limited basis, to others outside AREVA NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

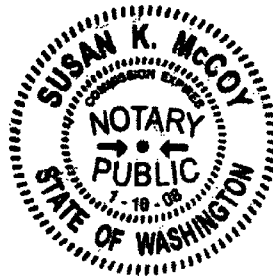
9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.

Jerald S Holm

SUBSCRIBED before me this 13<sup>th</sup>  
day of August, 2006.

Susan K McCoy

Susan K. McCoy  
NOTARY PUBLIC, STATE OF WASHINGTON  
MY COMMISSION EXPIRES: 1/10/2008



**Attachment 4**

**To**

**GNRO-2007/00056**

**GGNS LPRM Calibration Data**

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LPRM Exposure cal/cm²/pos. Cycle excd GNV7	Evaluated Sensitivity LAM	Measured Current	Fixed Sensitivity LAM	Predicted Current	Relative Difference	-0.157	Simulated Data by Skipping Actual Measured counts								
							Detector Specific Sensitivity		Detector sens.		Fixed sens				
							Predicted Current	Relative Difference	Predicted Current	Relative Difference	Predicted Current	Relative Difference			
142	1.16	-0.166	528												
2633.7	5110.7	1.62	-0.165	532	502.8572146	0.001707599	-0.1197								
2507.65	8019.25	1.78	-0.165	459	485.6173567	-0.004870454	-0.1197								
4933.45	10566.7	2.05	-0.162	477	471.1872135	-0.002165142	-0.1197								
	219	2.2	-0.168	456	470.7505096	0.010315594	-0.1197		471.6260997	0.012073					
1543	2162	2.42	-0.111	456	463.5556277	-0.002442756	-0.1197		466.0553416	0.003128					
3756	5933	2.77	-0.107	442	436.5315626	-0.012624519	-0.1197		457.6822171	-0.009914					
2362	6732	2.95	-0.107	433	430.5122845	0.001191389	-0.1197		421.7169279	0.003953					
	159	3.15	-0.114	412	415.8263441	0.002973639	-0.1197		420.8957626	0.026675					
369	1318	3.28	-0.113	392	405.6297756	0.001797544	-0.1197		405.8149062	0.026242					
2394	3882	3.66	-0.126	373	395.4090365	-0.00169712	-0.1197		393.3452245	-0.004472					
1737.2	5419.2	3.7	-0.145	362	381.5812347	0.003113825	-0.1197		382.6894267	0.002402					
4617.13	10235.33	4.04	-0.145	354	347.5533332	-0.016163352	-0.1197		344.5551775	-0.026553					
	0	4.23	-0.123	412	346.0199431	-0.00097475	-0.1197		344.3924192	-0.064126					
1489.2	1489.2	4.4	-0.109	403	403.7009372	0.001739296	-0.1197		403.4745045	0.001177					
810.5	2373	4.54	-0.101	392	396.3307986	0.010976627	-0.1197		395.899505	0.010462					
543	3243	4.66	-0.095	362	385.4096997	0.011643347	-0.1197		381.2773363	0.013336					
953	4223	4.76	-0.094	372	377.4547129	0.01466322	-0.1197		376.3933464	0.017271	2333	395.6862	0.011655	395.9921	0.012735
955	5159	4.87	-0.095	359	367.1338917	0.048964234	-0.1197		366.1733379	0.051524					
2107	7265	5.13	-0.095	333	335.2750565	0.021910632	-0.1197		341.4605921	0.03473	1933	363.3856	0.020667	351.8116	0.026376
749	6314	5.21	-0.104	314	326.6590223	0.040563498	-0.1197		327.3557225	0.042666					
4613	12627	5.66	-0.109	331	301.4773792	0.001688977	-0.1197		301.0609993	0.006947					
	227	5.61	-0.103	359	295.8459624	-0.065234742	-0.1197		295.0378831	-0.054699					
979	1025	5.75	-0.101	339	312.353625	0.047769717	-0.1197		312.6746624	0.050222					
2059	3033	6.06	-0.1	319	325.7040542	0.021015844	-0.1197		327.2514933	0.026952					
752	4046	6.1	-0.101	327	315.5915579	0.037663954	-0.1197		316.1415909	0.029976					
1677	5972	6.32	-0.102	294	296.0209828	0.010200023	-0.1197		300.3536991	0.014371					
2697	8969	6.68	-0.105	275	285.5297621	0.035602697	-0.1197		288.2812659	0.044936	2579	309.2627	0.044605	307.3799	0.038445
935	9564	6.65	-0.107	271	271.5979577	0.009962242	-0.1197		271.9758569	0.013992					
	377.3	5.52	-0.105	300	292.3915737	-0.129964754	-0.1197		291.2928214	-0.122391					
1843.2	2223.5	7.12	-0.104	298	292.5932966	0.024197955	-0.1197		291.7655694	0.027153					
684.7	5206.2	7.22	-0.104	279	292.5959977	0.016639527	-0.1197		283.0410134	0.019133					
1965.9	5172	7.41	-0.104	254	271.748931	0.026151519	-0.1197		272.5603379	0.032427	2327.9	290.6973	0.045674	289.4191	0.041072
1883.2	7142.2	7.67	-0.105	249	285.9919919	0.040128441	-0.1197		289.6433975	0.042746					
822.1	7942.3	7.64	-0.107	248	246.8223455	0.003748372	-0.1197		247.1695576	0.004712					
1650.9	5933.2	7.75	-0.105	241	241.6224557	0.002662952	-0.1197		242.5832163	0.004495					
2761.6	12366	7.66	-0.11	236	236.1454511	0.00467426	-0.1197		236.5753926	0.006734	2763	245.2696	0.00959	242.8294	0.006942
	235.9	8.03	-0.111	230	233.0391614	0.013219748	-0.1197		233.1974457	0.013926					
551	911.9	9.12	-0.113	225	227.5165066	0.018269026	-0.1197		227.7157359	0.012261					
4155.9	4937.5	9.72	-0.113	220	225.4071415	-0.048146157	-0.1197		210.3903525	-0.044315					
	203.9	8.69	-0.113	205	199.2420079	-0.022656518	-0.1197		199.400935	-0.027313					
1771.7	1975.6	9.84	-0.115	200	199.5635565	-0.002187722	-0.1197		196.2897656	-0.035561					
4984.5	5960.1	10.64	-0.112	194	181.6246714	-0.051533555	-0.1197		184.789526	-0.047477					
	323	11.26	-0.11	189	177.5549637	-0.028754192	-0.1197		178.5695496	-0.02421					
3921	4224	11.76	-0.106	179	172.569763	-0.037046017	-0.1197		173.2067921	-0.032354					
517	5141	11.91	-0.107	173	175.238141	0.036681162	-0.1197		176.8044031	0.039251					
960	6121	12.04	-0.105	187	167.375136	-0.104648597	-0.1197		167.5319705	-0.103467					
973	7371	12.16	-0.104	177	164.3331313	0.04140312	-0.1197		164.6595819	0.043269	1877	174.0435	-0.069266	173.515	-0.072113
1656	8367	12.4	-0.102	165	171.5974664	-0.07021379	-0.1197		172.6367598	-0.056226					
	1137.5	0.141	-0.182	562			-0.1197								
4555.7	6994.3	0.75	-0.182	544	521.6778115	-0.04069797	-0.1197								
5556.4	11569.7	1.323	-0.169	519	501.1593373	-0.02861916	-0.1197								
	1967.7	1.71	-0.099	503	469.3666697	-0.009307916	-0.1197								
1901.55	3553.35	1.68	-0.073	493	489.0054315	-0.005115445	-0.1197		493.7155603	0.007563					
561.15	4603.5	2.1	-0.078	479	465.0119492	0.003375975	-0.1197		465.7253469	0.014042					
2394.85	7745.15	2.48	-0.081	466	467.7002974	-0.016665295	-0.1197		469.0107943	0.026005	2682.8	459.5448	0.022223	462.0591	0.022206
681.55	1525.7	2.65	-0.073	468	466.9174772	-0.006726358	-0.1197		460.676262	-0.061697					
1077	17629.7	3.8	-0.05	446	471.9166996	0.046974096	-0.1197		476.6262956	0.07667					

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2875.18	5353.19	6.4E	-0.10E	291	288.7233362	-0.007814102	-0.11E7	230.3731735	-0.002245E	2354	308.7155	0.02222E		
2875.14	12236.33	6.8E	-0.107	279	373.5931344	-0.002175146	-0.11E7	275.2114239	0.003267					
	0	7.0E	-0.103	317	371.4235222	-0.143774053	-0.11E7	272.2176396	-0.141265					
1459.2	1439.2	7.2E	-0.101	309	305.5011395	0.001621811	-0.11E7	310.5355216	0.004573					
613.9	2320	7.4E	-0.099	321	303.1353424	0.007134128	-0.11E7	304.0455326	0.013122					
1903	4203	7.7E	-0.098	336	290.0354813	0.014110074	-0.11E7	291.5325233	0.023635					
955	5159	7.8E	-0.093	275	250.913696	0.02148344	-0.11E7	251.523555	0.024824	3713.9	294.874E	0.03033	292.0959	0.021314
855	5113	8.0E	-0.095	284	270.1354384	0.023130449	-0.11E7	270.5970673	0.026466					
1152	7255	8.2	-0.099	259	255.3726956	0.001444651	-0.11E7	255.5835739	0.005264	2107	277.714	0.051947	275.912	0.045121
749	5714	8.3E	-0.1	247	254.6251629	0.000971179	-0.11E7	255.236523	0.003221					
1925	9940	8.5E	-0.101	242	231.5557493	-0.004755248	-0.11E7	240.1759266	0.002075	1921	255.6027	0.036577	254.593	0.03226
	227	8.9E	-0.095	259	225.0535739	-0.116623237	-0.01E7	230.7201679	-0.13915					
1554	2151	9.34	-0.096	245	248.373225	0.002107393	-0.11E7	245.9217993	0.007785					
1112	3293	9.5E	-0.095	239	242.4033939	0.015555576	-0.11E7	243.4249559	0.022754					
752	4345	9.6E	-0.093	231	234.3251483	0.014394562	-0.11E7	234.9371125	0.01722					
1227	5972	9.8E	-0.098	215	223.3150341	0.034042239	-0.11E7	223.8982533	0.041248	1534	240.3434	0.040445	238.5532	0.033248
2567	8959	10.3E	-0.099	201	204.7031531	0.016423752	-0.11E7	205.5125522	0.027525					
535	8954	10.5E	-0.1	195	155.1334727	0.015555356	-0.11E7	156.523248	0.013359					
	377.3	10.57	-0.096	217	155.4995977	-0.14515319	-0.11E7	157.1822246	-0.137391					
531.3	1235.6	11.1	-0.093	209	213.5494	0.022245933	-0.11E7	214.2251048	0.026201					
551.9	2220.5	11.2E	-0.097	205	205.2304932	0.014259237	-0.11E7	205.5501712	0.014533					
1554.7	3225.2	11.4	-0.097	197	155.5975519	0.012120111	-0.11E7	155.837734	0.015572					
1556.8	5172	11.67	-0.092	184	150.7349425	0.035502349	-0.11E7	151.5075485	0.042976	2827.9	237.9562	0.055515	231.628	0.033492
1556.2	7143.2	11.93	-0.095	177	178.251744	0.007593499	-0.11E7	179.2709051	0.013395					
802.1	7542.3	12.03	-0.095	171	174.5939399	0.022171578	-0.11E7	175.2735719	0.024992					
1550.9	9903.2	12.27	-0.092	157	155.1574341	-0.005045454	-0.11E7	156.5343279	-0.021505	2770.3	177.5217	0.036723	175.2395	0.03354
2751.8	12555	12.5E	-0.095	155	151.1023917	-0.002405745	-0.11E7	152.2735321	-0.016524					
	511.8	12.7E	-0.1	151	151.0958075	0.00050128	-0.11E7	151.7551339	0.004752					
4152.5	4997.5	13.4E	-0.1	155	146.590155	-0.005941258	-0.11E7	150.5554274	-0.047348					
2515.2	7912.9	13.67	-0.095	153	145.5537956	-0.002001971	-0.11E7	151.1557253	-0.011572					
3543.3	11755.1	14.23	-0.095	145	144.5032495	-0.008155921	-0.11E7	146.1553515	0.001232					
	1975.5	14.51	-0.095	142	137.5473512	-0.00240414	-0.11E7	135.2343446	-0.019547					
2344.7	4220.3	15.16	-0.095	135	136.1735063	-0.013332387	-0.11E7	137.1535551	-0.006559					
3731.1	7953.4	15.75	-0.095	135	125.5532135	-0.047475522	-0.11E7	126.2471551	-0.035235					
	523	15.9E	-0.097	125	122.5255293	-0.015797358	-0.11E7	124.5979956	-0.002218					
1927.57	2250.57	16.5E	-0.097	122	120.5935994	-0.01550057	-0.11E7	121.4145915	-0.004795					
	323	0.04	-0.15E	513			-0.11E7							
4516	5141	0.55	-0.15E	537	591.5455551	-0.15335434	-0.11E7							
353	6121	0.58	-0.15E	552	577.2024663	0.041845949	-0.11E7							
2955	8957	1.0E	-0.15E	556	521.5403347	-0.054801753	-0.11E7							
	0	0.75E	-0.15E	575			-0.11E7							
4075.9	4375.9	1.05E	-0.15E	554	554.2544928	9.335555E-05	-0.11E7							
	263	1.43E	-0.15E	535	532.0333025	-0.005455229	-0.11E7							
1634.9	1597.9	1.55E	-0.12E	513	527.1839495	0.015762735	-0.11E7							
5921.3	7495.2	2.04E	-0.111	504	451.5370315	-0.024559123	-0.11E7	450.2253944	-0.027365					
2423	9922.2	2.22E	-0.115	484	451.1359365	0.014743794	-0.11E7	452.255937	0.016655					
	225.9	2.34	-0.125	457	477.5545337	0.022600564	-0.11E7	477.5352846	0.023439					
2577.5	3170.4	2.547	-0.123	457	455.5735	-0.003127134	-0.11E7	455.0713572	-0.00422					
2289.9	5934.3	2.77	-0.123	448	444.9526255	-0.005779954	-0.11E7	444.1396359	-0.008617					
1879.1	7573.4	2.523	-0.15	438	435.5599576	0.011195325	-0.11E7	435.3117213	0.009512					
3555.3	11559.7	3.23E	-0.134	413	418.9334792	0.014234135	-0.11E7	417.5455493	0.011009					
	3553.35	3.5E	-0.134	403	397.3544472	-0.005538352	-0.11E7	395.5558571	-0.011103					
1975.9	7745.15	3.87	-0.121	391	385.423211	-0.014247542	-0.11E7	383.7243949	-0.019505					
2818.55	12553.7	4.13	-0.13	377	379.018735	0.005154558	-0.11E7	377.5257932	0.002405					
	5110.7	4.4E	-0.125	352	351.5318551	-0.001255157	-0.11E7	350.235932	-0.004487					
2507.55	6318.25	4.71	-0.127	353	352.1597177	-0.002352375	-0.11E7	351.4172317	-0.004484					
2755.35	5777.6	4.5E	-0.125	347	342.5829665	-0.013700294	-0.11E7	341.5551349	-0.014501					
1879.1	10556.7	5.15	-0.127	325	335.1872444	0.014082254	-0.11E7	338.8555447	0.039435					
	219	5.22	-0.125	335	319.4332555	-0.045505755	-0.11E7	319.037395	-0.052485					
2544	3153	5.5	-0.123	319	335.5379775	0.030543255	-0.11E7	329.5244157	0.023957					
3725	6338	5.75	-0.124	310	305.595344	-0.001305342	-0.11E7	299.1854318	-0.002628					
3759	12597	6.0E	-0.124	322	293.7375385	-0.010901559	-0.11E7	292.3097245	-0.0142215					
759	11446	6.1E	-0.124	294	255.4521135	0.015539543	-0.11E7	255.5899539	0.019333					

	159	6.25	-0.125	286	285.537185	0.01665726	-0.1157	285.6575671	0.016343					
889	1218	6.3	-0.127	271	282.2992652	0.046735126	-0.1157	282.2243046	0.046108					
1795	3814	6.42	-0.128	254	287.1351756	0.01137558	-0.1157	286.9312716	0.01055					
2049.13	4352.13	6.53	-0.131	257	286.3918915	0.007720202	-0.1157	286.6355384	0.006252	2655	279.0076	0.056647	279.2591	0.0578
4421.62	8123.65	6.63	-0.132	247	246.4554121	-0.002204919	-0.1157	246.4825339	-0.006143					
892.23	12236.33	7.03	-0.134	240	244.3460169	0.019358434	-0.1157	244.4054236	0.019356					
1435.55	11371.59	7.11	-0.135	241	237.1443262	-0.01659856	-0.1157	236.6254513	-0.017402					
				243	232.9948736	-0.026625797	-0.1157	232.4675739	-0.026627	1033.33	241.2005	0.006632	241.7351	0.00302
1459.2	1489.2	7.35	-0.135	240	242.0729334	0.012933669	-0.1157	242.7313162	0.01295					
1753.8	3243	7.52	-0.135	253	225.165946	0.005194397	-0.1157	224.5547235	0.005673					
1915	5158	7.7	-0.136	226	228.0334785	0.00597692	-0.1157	227.4965382	0.006223	3243	237.1948	0.016003	235.1766	0.022247
955	6113	7.75	-0.127	213	221.5761695	0.049653737	-0.1157	221.2506205	0.046125					
1152	7256	7.85	-0.156	228	210.4555997	0.019877816	-0.1157	210.101796	0.019512					
749	8214	7.97	-0.14	199	204.038765	0.025102347	-0.1157	202.7362677	0.022381					
1925	9940	8.17	-0.141	192	194.2925134	0.011542174	-0.1157	193.5252295	0.00784					
	5972	9.14	-0.142	175	170.952203	-0.026675334	-0.1157	167.4557941	-0.048541	2675	199.192	0.03228	169.2101	0.037553
1957	7929	9.36	-0.145	155	171.42571	0.105572323	-0.1157	170.5557551	0.10256					
1030	5959	5.46	-0.146	182	192.1957101	-0.054994352	-0.1157	192.7697153	-0.056923					
	377.3	10.09	-0.143	162	160.4125227	-0.164574319	-0.1157	147.5795525	-0.17765					
661.3	1219.6	10.15	-0.141	176	172.2345467	0.012633379	-0.1157	177.5226338	0.011034					
1655.6	3226.2	10.34	-0.14	167	172.2484544	0.01427351	-0.1157	171.5193282	0.027491	1235.6	145.2516	-0.168955	148.9791	-0.153528
1285.9	5172	10.55	-0.14	184	182.8544237	0.057453391	-0.1157	182.1615719	0.052956					
2770.3	7942.3	10.87	-0.14	142	148.2127234	0.05652353	-0.1157	147.2532699	0.051828					
1024.1	8966.4	10.59	-0.14	149	138.1957029	-0.02955322	-0.1157	137.5935153	-0.026975					
535.6	9503.2	11.05	-0.14	141	144.0902185	0.021919444	-0.1157	143.7693241	0.019637					
1213.4	11116.6	11.24	-0.14	138	135.4928975	0.003557815	-0.1157	133.059674	0.002806	1950.9	135.7537	-0.037268	126.3514	-0.032358
1545.4	12385	11.44	-0.14	132	134.7355119	0.002725576	-0.1157	134.1895946	0.015666					
	233.8	11.55	-0.139	142	130.2733494	-0.006823964	-0.1157	128.6307725	-0.044626	2761.8	134.2875	0.017103	125.2148	0.024352
561	811.8	11.59	-0.138	139	141.3217291	0.049703387	-0.1157	141.2128735	0.045518					
1559.3	2370.1	11.73	-0.135	139	137.0178781	-0.01425133	-0.1157	136.7171145	-0.016424					
2927.5	4997.6	11.54	-0.137	135	125.0263998	-0.00555557	-0.1157	124.6374213	-0.009972					
5625.7	10533.3	12.55	-0.135	131	126.4235937	-0.024634529	-0.1157	123.2359407	-0.046036	2129.3	138.8762	-0.002666	135.3063	0.002254
	232.9	12.65	-0.132	124	122.7756945	0.014515311	-0.1157	122.024741	0.009714					
1048.9	1252.9	12.97	-0.134	121	122.8162435	0.015025304	-0.1157	122.8550057	0.013795					
2967.5	4220.3	13.15	-0.134	119	117.5551755	-0.001221325	-0.1157	117.4848553	-0.004365					
	323	14.16	-0.132	112	105.0245237	-0.001503029	-0.1157	102.6173352	-0.007484					
3821	4224	14.44	-0.131	109	108.3094171	-0.008344797	-0.1157	107.5153448	-0.009789					
817	5141	14.52	-0.129	113	107.5511977	-0.005503202	-0.1157	107.8915449	-0.0073141					
560	5101	14.6	-0.123	112	114.6544857	0.044455224	-0.1157	114.8050359	0.042715					
570	7071	14.69	-0.127	112	103.8213303	-0.028320579	-0.1157	102.7403711	-0.029117	1577	196.7351	-0.029694	105.9323	-0.027938
2763.57	8334.37	14.96	-0.126	109	102.4319139	-0.008154668	-0.1157	102.2246158	-0.007714					
	323	0.1	-0.155	535			-0.1157							
1527.57	2253.57	0.72	-0.162	577	525.5157062	-0.008227546	-0.1157							
2450.43	5141	0.61	-0.155	584	516.5914957	-0.111628549	-0.1157							
550	6101	0.52	-0.155	559	462.7256491	-0.01035223	-0.1157							
	323	0.05	-0.165	592			-0.1157							
1527.57	2253.57	0.59	-0.165	607	697.8252398	-0.001373252	-0.1157							
2450.43	5141	1.31	-0.165	533	556.2113403	-0.12109973	-0.1157							
3925	9367	2.32	-0.165	516	560.9172675	-0.027939402	-0.1157							
	323	0.08	-0.165	595			-0.1157							
1527.57	2253.57	0.38	-0.165	617	671.9153197	-0.071448428	-0.1157							
2450.43	5141	0.67	-0.165	539	591.5519442	-0.028433677	-0.1157							
	323	0.01	-0.165	536			-0.1157							
1000.79	1325.79	0.14	-0.165	593	555.0733355	0.006654973	-0.1157							
2815.21	5141	0.54	-0.165	614	665.2751648	-0.07535478	-0.1157							
2863.46	8004.46	0.9	-0.165	533	589.1034855	-0.072925653	-0.1157							
	323	0.08	-0.165	539			-0.1157							
1527.57	2253.57	0.69	-0.165	545	495.4699184	-0.0065529	-0.1157							
4820.43	7071	2.05	-0.165	530	462.5594902	-0.027227377	-0.1157							
7651.37	5974.37	1.59	-0.165	617	657.7559947	-0.028712559	-0.1157							

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1827.57	2250.57	0.42	< 0.155	593	541.1701454	-0.003743279	-0.1157				
1873.43	4224	0.77	< 0.155	594	555.5534587	-0.103044573	-0.1157				
1877	6121	1.03	< 0.155	513	610.8052394	-0.015077331	-0.1157				
1903.48	8304.48	1.45	< 0.155	599	551.4749146	-0.074374155	-0.1157				
	323	0.04	< 0.155	590			-0.1157				
1827.57	2250.57	0.25	< 0.155	573	545.44544	-0.045052036	-0.1157				
1873.43	4224	0.5	< 0.155	590	555.7755252	-0.0027524	-0.1157				
917	6121	0.62	< 0.155	544	552.0135552	0.047330594	-0.1157				
950	6121	0.74	< 0.155	529	535.2415355	0.015559572	-0.1157				
970	7071	0.82	< 0.175	515	520.2395845	0.010114339	-0.1157			515.5001593	0.003728
933.48	5304.48	1.02	< 0.151	532	508.4415416	0.003147592	-0.1157			602.3247931	0.003647
1062.52	9367	1.15	< 0.151	493	492.4771776	0.015521496	-0.1157			487.514542	0.009347
	323	0.05	< 0.155	574			-0.1157				
4915	5141	1.5	< 0.155	535	484.5552214	-0.127555435	-0.1157				
2853.48	5304.48	2.75	< 0.155	543	511.9235483	-0.05731034	-0.1157				
1062.52	9367	1.46	< 0.231	530	525.791335	-0.025054077	-0.1157				
	377.3	0.1	< 0.155	571			-0.1157				
551.3	1238.5	0.25	< 0.155	717	551.2177525	-0.091745554	-0.1157				
551.9	2223.5	0.64	< 0.155	591	552.3572774	0.018150455	-0.1157				
554.7	3275.2	0.5	< 0.155	595	550.1523242	0.034650153	-0.1157				
1555.8	5172	1.42	< 0.24	593	555.4955952	0.074370943	-0.1157				
955	6157	0.67	< 0.23	537	541.5492224	0.00247155	-0.1157			525.5045357	-0.021407
553.2	7143.2	1.55	< 0.215	515	515.3301755	0.003149551	-0.1157			525.5072416	-0.022316
	230.9	3.54	< 0.175	553	410.7291113	0.055555595	-0.1157			341.0201223	-0.123151
1451.7	1512.5	4.24	< 0.155	375	370.5135251	-0.011533595	-0.1157			1959.2	491.3515
2359.5	4322	4.87	< 0.157	354	347.7505453	-0.01754222	-0.1157			-0.04552	523.5395
575.5	4957.5	5.12	< 0.152	545	343.5534552	-0.004153511	-0.1157			0.015552	362.5551445
2515.2	7912.9	5.55	< 0.144	327	315.7549434	-0.024255552	-0.1157			-0.045555	337.7532559
553.5	5575.3	5.14	< 0.159	315	315.2215554	-0.003705755	-0.1157			0.013407	340.3745457
955	5952.3	5.43	< 0.155	312	302.1155445	-0.002075553	-0.1157			0.0272505	-0.057155
971	1583.3	5.7	< 0.153	325	300.1412351	-0.005454715	-0.1157			0.011523	302.3955333
1820.5	1254.1	7.15	< 0.155	292	255.0515231	-0.022155757	-0.1157			0.019755	252.5212335
	203.9	7.4	< 0.155	257	254.4155371	0.002209125	-0.1157			0.025593	-0.025593
1046.9	1252.5	7.73	< 0.125	255	255.5555213	-0.002025231	-0.1157			0.0255274	0.0255274
722.5	1875.5	7.95	< 0.125	253	251.5557317	-0.004054054	-0.1157			0.0255253	-0.0255253
1142.3	3117.9	8.3	< 0.127	247	242.5121177	-0.015551225	-0.1157			0.0255253	-0.0255253
2104.2	5223.1	8.5	< 0.125	240	225.5555354	-0.042155223	-0.1157			0.0255253	-0.0255253
755.7	5990.9	9.11	< 0.124	234	234.023123	0.002155224	-0.1157			0.0255253	-0.0255253
553.3	5952.3	9.35	< 0.122	228	225.5552555	0.002470152	-0.1157			0.0255253	-0.0255253
953.3	7553.4	9.55	< 0.121	220	215.5559131	-0.005555755	-0.1157			0.0255253	-0.0255253
1528	5551.4	10.23	< 0.12	212	205.4502415	-0.02147504	-0.1157			0.0255253	-0.0255253
1550	11531.4	10.77	< 0.115	204	195.5554151	-0.015522247	-0.1157			0.0255253	-0.0255253
1002.75	1525.75	11.51	< 0.115	171	191.0222351	0.005335524	-0.1157			0.0255253	-0.0255253
524.75	2250.57	11.55	< 0.115	159	155.5555327	-0.012155555	-0.1157			0.0255253	-0.0255253
1873.43	4224	12.55	< 0.117	131	157.5725545	-0.020554575	-0.1157			0.0255253	-0.0255253
1877	5121	12.51	< 0.115	125	153.1555925	-0.01551407	-0.1157			0.0255253	-0.0255253
570	7071	13.04	< 0.115	151	151.7537457	0.00507519	-0.1157			0.0255253	-0.0255253
533.48	5304.48	13.25	< 0.115	145	147.0754571	-0.006245544	-0.1157			0.0255253	-0.0255253
1062.52	9367	13.23	< 0.115	143	143.2932553	0.002250743	-0.1157			0.0255253	-0.0255253
	1975.5	0.41	< 0.155	531			-0.1157				
1142.3	3117.9	0.55	< 0.155	545	515.5324552	-0.00227555	-0.1157				
5542.2	3352.1	1.42	< 0.155	537	457.0132042	-0.07555043	-0.1157				
	323	3.23	< 0.155	535	445.0353777	-0.00275545	-0.1157				
1827.57	2250.57	3.57	< 0.155	515	513.0451555	-0.005557525	-0.1157				
2350.43	5141	4.05	< 0.155	523	455.4515255	-0.01215377	-0.1157				
950	5121	4.21	< 0.142	493	454.04523	0.002153737	-0.1157			500.2511235	0.021002
1903.48	5304.48	4.54	< 0.152	485	471.0215054	0.015950121	-0.1157			452.2554477	0.009255
	155	0.22	< 0.155	575			-0.1157				
455	1715	0.4	< 0.155	525	575.4515555	0.005515557	-0.1157				









1977	6121	0.58	< 0.168	631	827.5903932	-0.03678124	< 0.1187		
1986	6367	1.53	< 0.168	641	890.7950467	-0.078321297	< 0.1187		
	323	0.03	< 0.168	636			< 0.1187		
2487.91	3213.91	0.3	< 0.168	650	616.7737234	-0.082685911	< 0.1187		
1932.39	5141	0.51	< 0.168	659	621.8649974	-0.083519246	< 0.1187		
950	5121	0.62	< 0.168	660	620.2430162	-0.025648956	< 0.1187		
970	7071	0.74	< 0.168	699	670.3322367	-0.029532056	< 0.1187		
1995	8097	1.01	< 0.168	722	672.597286	-0.066009181	< 0.1187		
	203.9	0.07	< 0.168	630			< 0.1187		
1048.9	1252.9	0.47	< 0.168	649	609.2016331	-0.078052901	< 0.1187		
1646.1	3117.9	1.09	< 0.168	628	609.8051927	-0.093978769	< 0.1187		
	323	4.3	< 0.168	469	386.9438462	-0.2176204166	< 0.1187		
2687.91	3210.91	5.03	< 0.042	451	421.6293944	-0.066176531	< 0.1187		
1920.39	5141	6.61	< 0.044	423	420.2477165	-0.022401692	< 0.1187	439.5616512	0.026661
1930	7071	6.18	< 0.047	412	400.7098771	-0.027412692	< 0.1187	418.374481	0.016472
1763.37	9634.37	6.58	< 0.09	389	374.3770143	-0.037561223	< 0.1187	366.7964186	0.020042
	5982.9	1.77	< 0.168	569			< 0.1187		
553.2	5946.1	2.05	< 0.168	548	537.9923952	-0.016261222	< 0.1187		
555.7	7912.9	2.4	< 0.168	636	628.3350191	-0.013013049	< 0.1187		
553.6	6876.3	2.67	< 0.078	621	617.8667676	-0.009785494	< 0.1187		
856	6662.3	2.56	< 0.081	609	603.6275673	-0.010161989	< 0.1187	609.7447161	0.001463
2821.8	12694.1	3.7	< 0.076	496	466.276662	-0.045627619	< 0.1187	476.6997638	-0.012374
	203.9	3.93	< 0.09	453	471.8298343	0.041665433	< 0.1187	476.6966691	0.082088
1771.7	1976.6	4.2	< 0.064	434	423.1233892	-0.026062309	< 0.1187	430.3471142	-0.009417
1142.5	3117.9	4.68	< 0.092	426	414.7012135	-0.024323204	< 0.1187	416.7711269	-0.014666
1102.4	4220.3	6.24	< 0.082	412	407.2746692	-0.011864166	< 0.1187	411.0385673	-0.002411
1001.6	5222.1	6.66	< 0.091	401	399.0956626	-0.01472361	< 0.1187	396.6448143	-0.005126
765.7	6930.8	6.68	< 0.091	369	369.710276	-0.000739643	< 0.1187	361.623699	0.006746
669.3	6963.1	6.19	< 0.091	377	373.4533074	-0.00632014	< 0.1187	377.1485622	0.003294
669.3	7963.4	6.92	< 0.091	366	362.3664139	-0.006843026	< 0.1187	366.6469306	-0.002416
661.7	6916.1	6.89	< 0.091	366	362.6677281	-0.006669976	< 0.1187	366.8194129	0.002306
666.3	6661.4	7.12	< 0.092	339	342.4791269	0.013246993	< 0.1187	346.4166939	-0.002211
19ED	11631.4	7.62	< 0.092	326	316.4644446	-0.023262017	< 0.1187	321.322694	-0.014348
	323	9.26	< 0.09	290	304.1349298	0.046741064	< 0.1187	308.891399	0.066108
1627.67	3260.67	9.62	< 0.09	278	271.1979299	-0.024467876	< 0.1187	274.8212631	-0.011434
660.34	3210.61	9.19	< 0.096	273	266.5163696	-0.005463672	< 0.1187	270.2134637	0.000779
1013.09	4224	9.42	< 0.1	262	260.1647174	-0.007004896	< 0.1187	261.2696624	-0.003612
917	5141	9.66	< 0.1	266	263.6977916	-0.006224347	< 0.1187	266.0206463	8.1E-06
1630	7071	10.28	< 0.101	244	257.6123466	-0.026176912	< 0.1187	240.5920261	-0.014794
533.46	1204.49	10.66	< 0.101	237	216.967623	-0.004362116	< 0.1187	237.1636672	0.000828
1062.62	9097	10.88	< 0.101	227	228.396616	0.004817692	< 0.1187	229.4626202	0.012849
767.37	6934.37	11.09	< 0.101	222	221.3660209	-0.002960296	< 0.1187	222.2160306	0.001063
	5982.9	1.31	< 0.168	606			< 0.1187		
	203.9	3.27	< 0.168	661	479.0716662	-0.102179119	< 0.1187		
1771.7	1976.6	3.69	< 0.168	632	626.4966713	-0.021377993	< 0.1187		
2244.7	4220.3	4.17	< 0.081	624	606.6366278	-0.036241169	< 0.1187		
1772.6	6930.8	4.69	< 0.08	614	467.1161417	-0.032647973	< 0.1187	612.2723697	-0.003167
1662.6	7963.4	6.1	< 0.081	600	484.7164476	-0.030661104	< 0.1187	601.8500121	0.00212
1628	6981.4	6.62	< 0.081	467	466.2647466	-0.03641739	< 0.1187	466.6662036	-0.003966
1169	11039.4	6.68	< 0.064	467	467.2166176	3.96662E-06	< 0.1187	476.394176	0.024277
792	11631.4	6.21	< 0.066	467	464.3163927	-0.00669766	< 0.1187	461.2667302	0.009269
976.6	12810	6.46	< 0.06	443	441.9672034	-0.003369496	< 0.1187	449.6901271	0.016663
	323	6.62	< 0.06	429	426.6421698	0.045733794	< 0.1187	434.4692141	0.064646
1003.79	1326.79	7.02	< 0.07	423	399.5464699	-0.004166626	< 0.1187	402.7503271	0.006626
1889.12	3212.61	7.38	< 0.074	364	383.1293066	-0.002267431	< 0.1187	380.0469478	0.016746
1920.39	5141	7.78	< 0.077	373	366.6394309	-0.019913999	< 0.1187	372.6244261	-0.001276
960	6101	8.01	< 0.08	336	383.3066241	-0.004642126	< 0.1187	366.7346979	0.004762
870	7071	8.23	< 0.082	366	366.5136484	0.001443609	< 0.1187	366.692201	0.010232
1696	8067	8.67	< 0.08	324	326.7669991	-0.00824341	< 0.1187	342.4199096	0.026209
767.37	6934.37	8.62	< 0.08	326	327.6642993	0.006167226	< 0.1187	326.4883488	0.01381



	230.9	5.18	-0.11	582	385.1812824	0.002705199	-0.1187	386.4893488	0.012428
2791.2	4222	5.81	-0.102	349	226.7051388	-0.032230021	-0.1187	227.7529141	-0.026437
1630.9	5982.9	6.15	-0.101	340	332.828477	-0.021633691	-0.1187	334.588182	-0.016808
555.2	5946.1	6.4	-0.098	350	291.5599433	0.00470121	-0.1187	292.6549391	0.00666
1930.2	8676.3	6.82	-0.098	318	310.8197117	-0.003748947	-0.1187	316.8898649	0.004882
1957	15633.3	7.3	-0.097	109	267.4114813	-0.022687096	-0.1187	269.3912914	-0.018362
	133.9	7.53	-0.096	274	253.7728620	0.039637344	-0.1187	257.8502046	0.028588
1771.7	1975.6	8.15	-0.1	238	255.5339014	-0.005843597	-0.1187	257.0370362	-0.003852
1142.3	3117.9	8.37	-0.101	260	292.2674346	0.009797828	-0.1187	293.2191667	0.012391
2104.2	8222.1	8.73	-0.102	284	246.3823216	-0.016375697	-0.1187	248.6698936	-0.011924
765.7	5993.6	8.86	-0.103	247	249.7769961	0.011260749	-0.1187	250.8955648	0.01278
2924.5	8916.1	9.42	-0.103	239	230.9956231	-0.023932121	-0.1187	232.166126	-0.022467
2124.3	11039.4	9.9	-0.103	232	228.860694	-0.027348975	-0.1187	237.800993	-0.01908
1773.6	12610	10.34	-0.103	218	220.669013	0.027190758	-0.1187	222.4578391	0.034974
	323	10.68	-0.103	236	203.1628007	0.010495787	-0.1187	205.1588602	0.015938
1002.79	1326.79	10.73	-0.104	200	202.3342775	0.011671389	-0.1187	202.8417832	0.014009
924.79	2260.7	10.86	-0.104	204	198.9118994	-0.03474664	-0.1187	197.3141889	-0.032274
860.34	3210.91	11.01	-0.104	197	200.369967	0.017106924	-0.1187	200.6420941	0.019804
1650.09	7371	11.64	-0.104	169	162.6905698	-0.022324755	-0.1187	164.935322	-0.018583
633.48	8004.48	11.78	-0.104	162	154.8787472	0.016802639	-0.1187	156.282661	0.016036
	5172	1.26	-0.168	609			-0.1187		
985	8187	1.65	-0.168	693	889.339241	-0.009120598	-0.1187		
1756.3	7942.3	2.05	-0.168	697	668.6901447	-0.014909743	-0.1187		
1930.9	9923.2	2.66	-0.077	690	633.4217266	-0.0238886331	-0.1187		
2781.6	12866	3.2	-0.082	640	611.2918962	-0.0027163729	-0.1187	629.4558361	-0.0226932
	230.8	3.43	-0.094	626	623.996204	0.005058484	-0.1187	633.0147726	0.016266
591	811.9	3.66	-0.096	609	618.8977461	0.016074333	-0.1187	619.6941148	0.022891
880.7	1662.6	3.77	-0.07	608	469.3888623	-0.024803696	-0.1187	600.6901632	-0.014386
737.6	2372.1	3.95	-0.072	493	457.1717941	0.003481676	-0.1187	601.6393692	0.017654
1651.9	4322	4.32	-0.078	476	471.9419766	-0.007069923	-0.1187	480.0386793	0.01061
675.6	4897.6	4.52	-0.079	452	463.7535971	0.001649109	-0.1187	467.934696	0.013462
1948.6	9846.1	4.67	-0.081	445	459.6301113	-0.019840346	-0.1187	463.3134377	-0.03379
666.7	7912.9	4.96	-0.083	432	426.8177632	-0.009831504	-0.1187	434.6587864	0.038176
2120.6	10939.3	6.1	-0.082	416	398.360103	-0.04689726	-0.1187	406.0649725	-0.023402
1830.8	12654.1	6.29	-0.081	399	392.3021212	-0.016765994	-0.1187	395.8194992	0.001649
	209.9	6.78	-0.087	398	360.0279662	0.0086428946	-0.1187	362.6094026	0.0284447
1043.9	1262.8	7.03	-0.091	380	348.4150788	-0.004628495	-0.1187	351.2793924	0.008646
722.8	1975.6	7.2	-0.094	340	342.9496263	0.008937597	-0.1187	344.627196	0.013609
1142.3	3117.9	7.49	-0.097	328	328.4009789	0.001219753	-0.1187	330.8857692	0.00871
1102.4	4222.9	7.77	-0.1	311	317.1869969	0.019600116	-0.1187	319.2114093	0.026403
1001.6	5222.1	8.08	-0.102	298	299.8712116	0.009608092	-0.1187	301.9039032	0.011768
765.7	5993.6	8.33	-0.103	298	289.2144593	0.004219972	-0.1187	290.4973899	0.00967
666.5	6963.1	8.63	-0.107	280	277.3414291	-0.007706263	-0.1187	279.0893996	-0.009324
1665	8916.1	9.18	-0.103	269	263.1310033	-0.021821921	-0.1187	264.8482866	-0.018441
2916.3	11851.4	9.64	-0.107	265	248.6396412	-0.040681046	-0.1187	247.8003319	-0.032022
	323	10.64	-0.108	230	237.4347391	0.023936539	-0.1187	239.2118336	0.031617
1002.79	1326.79	10.8	-0.109	216	224.6909949	-0.00484919	-0.1187	226.9760643	0.00266
1889.12	3210.91	11.34	-0.109	217	211.87828	-0.02469766	-0.1187	212.6386494	-0.01192
1013.09	4224	11.66	-0.109	211	210.0969961	-0.004270558	-0.1187	210.7087494	-0.00199
	6101	12.2	-0.103	204	196.6077966	-0.036687664	-0.1187	197.2117716	-0.033276
970	7071	12.62	-0.103	195	166.3337464	0.001700783	-0.1187	167.0701997	0.00846
1665	8987	13.14	-0.107	189	181.9680734	-0.027126133	-0.1187	182.3065916	-0.033129
	323	0.09	-0.168	621			-0.1187		
1002.79	1326.79	0.41	-0.168	634	697.8820194	-0.02731896	-0.1187		
1665.12	3210.91	0.91	-0.168	666	657.1962928	-0.028800498	-0.1187		
1620.09	6141	1.44	-0.168	640	616.679346	-0.036007072	-0.1187		
1650	7071	3	-0.168	654	666.4057784	-0.034883662	-0.1187		
633.48	8004.48	2.26	-0.168	697	633.9966977	-0.004772978	-0.1187		
	4937.8	1.27	-0.168	629			-0.1187		
	203.9	3.48	-0.168	686	481.4516724	-0.134079909	-0.1187		
4015.4	4220.9	4.32	-0.168	637	621.3118195	-0.009701749	-0.1187		
1970.6	6889.8	8.78	-0.161	674	610.7659616	-0.016142577	-0.1187		

1655.12	3213.91	7.57	-0.079	356	379.2897134	-0.014810285	-0.1157	335.4510515	0.001472
1013.09	4224	7.77	-0.082	376	375.8925513	-0.002235759	-0.1157	373.5445036	0.007889
917	5141	7.56	-0.084	358	366.5652900	-0.003624211	-0.1157	369.5537297	0.004296
1933	7071	6.43	-0.036	354	349.1197931	-0.015755356	-0.1157	334.8470034	0.001626
553.48	8024.49	6.63	-0.088	347	345.2124115	-0.005916155	-0.1157	347.564148	0.001914
1829.69	8654.37	9.05	-0.089	338	329.9551817	-0.014565822	-0.1157	334.4089551	-0.001764
	6889	0.77	-0.165	372					
1904	8792	1.04	-0.165	374	283.5787223	-0.021444737	-0.1157		
759	9551	1.14	-0.165	367	356.5495055	0.005547976	-0.1157		
1135	10697	1.22	-0.112	355	359.1771957	0.011755748	-0.1157		
759	11446	1.46	-0.126	349	349.1004801	0.003152299	-0.1157	345.4770134	0.004244
	159	1.7	-0.153	357	358.1448925	0.003397337	-0.1157	357.6340036	0.001651
1723.2	1892.2	1.9	-0.125	328	328.0282251	0.003134223	-0.1157	328.1539737	0.003469
931.9	2814	2.02	-0.14	320	323.5222936	0.010552137	-0.1157	323.7292087	0.005529
2249.13	4552.13	2.26	-0.143	307	310.9379322	0.012825516	-0.1157	309.4266274	0.007904
2449.52	7511.25	2.58	-0.142	295	298.4533384	-0.011829323	-0.1157	293.0926257	-0.019797
3825.29	10236.33	3.14	-0.127	290	279.3144174	-0.023812354	-0.1157	276.144326	-0.047776
	0	3.63	-0.117	277	271.4799444	-0.012705144	-0.1157	273.6033542	-0.016233
1489.2	1489.2	3.62	-0.115	261	270.7712973	0.037437852	-0.1157	270.5122286	0.03797
1569.5	5159	4.42	-0.115	251	242.8122341	-0.022211979	-0.1157	241.0141297	-0.031815
2395	6014	4.68	-0.111	245	237.5532434	-0.020365741	-0.1157	237.5577329	-0.026746
925	6979	5.04	-0.11	237	240.3524074	0.014145179	-0.1157	240.6572109	0.016558
951	8943	5.21	-0.109	232	232.2252245	-0.002351762	-0.1157	232.5092512	-0.001677
2587	12627	6.79	-0.11	214	117.372455	0.019759927	-0.1157	218.7287344	0.022282
	227	6.55	-0.112	202	228.9375775	0.034344859	-0.1157	209.3434103	0.036354
3035	3293	6.48	-0.114	189	190.4929569	0.007855714	-0.1157	191.2129441	0.011709
752	4245	6.6	-0.115	183	188.3249395	-0.024651147	-0.1157	186.4320846	-0.034271
1120	5155	6.77	-0.116	183	189.1123322	0.033403723	-0.1157	189.2634834	0.034227
1671	5836	7.02	-0.117	174	175.5552172	0.01705972	-0.1157	177.1515513	0.018113
2123	8959	7.4	-0.118	159	165.8309513	-0.012697523	-0.1157	167.0155193	-0.011724
2632	11791	7.55	-0.118	151	157.4754172	-0.021465509	-0.1157	157.6344453	-0.023203
	1239.5	9.69	-0.117	155	150.0219122	-0.033531079	-0.1157	150.1724597	-0.037356
561.9	2223.5	9.79	-0.117	146	152.2578364	0.022811656	-0.1157	152.5378142	0.033256
4919.7	7140.2	9.64	-0.118	133	131.0435155	0.0003332	-0.1157	131.3540265	0.002737
1825.2	8955.4	10.01	-0.118	127	127.2332592	0.001574797	-0.1157	127.2191572	0.002205
533.6	8903.2	10.21	-0.118	128	123.5957247	0.003055322	-0.1157	124.0376904	0.009428
1213.4	11116.5	10.48	-0.118	120	115.0955144	-0.00759735	-0.1157	115.1423584	-0.007142
	253.9	11.01	-0.116	124	112.6235295	-0.054745654	-0.1157	112.7250984	-0.099927
591	811.9	11.11	-0.116	123	122.5245991	0.001035297	-0.1157	122.5599106	0.021446
850.7	1582.5	11.26	-0.116	117	117.8649277	0.00736999	-0.1157	117.9120537	0.007949
2395.5	4222	11.68	-0.114	114	111.2335523	-0.024005391	-0.1157	111.4532091	-0.022277
575.6	4997.5	11.87	-0.113	111	111.4351597	0.003922951	-0.1157	111.5573296	0.005021
1948.5	5945.1	12.29	-0.113	108	109.5578394	-0.022615376	-0.1157	109.5543995	-0.015951
866.7	7912.9	12.5	-0.112	105	109.3190436	0.003036484	-0.1157	109.467329	0.004451
583.5	6979.3	12.72	-0.112	101	102.2110292	0.012554359	-0.1157	102.4444141	0.014201
2891.5	11755.1	13.48	-0.111	97	62.21737095	-0.045305455	-0.1157	62.73552602	-0.343726
	239.3	13.69	-0.111	93	51.56445501	-0.005841312	-0.1157	51.5644746	-0.002292
1048.9	1282.9	14.04	-0.11	89	51.34535545	0.025345235	-0.1157	51.4782929	0.027344
1565.1	3117.9	14.33	-0.109	87	89.56258005	-0.019515218	-0.1157	86.20570584	-0.00913
2104.2	5222.1	14.67	-0.105	85	83.51235665	-0.017299922	-0.1157	83.83479354	-0.013709
1715	8852.1	14.88	-0.108	82	81.50370734	-0.001174321	-0.1157	82.17893331	0.002144
1555	8915.1	15.08	-0.103	79	78.13534994	-0.010525332	-0.1157	78.5018889	-0.006309
2124.3	11299.4	15.87	-0.106	75	74.45955187	-0.039741051	-0.1157	74.52801499	-0.014129
	523	16.56	-0.107	69	69.57515128	0.014122772	-0.1157	70.54225717	0.022293
2887.51	3210.91	17.22	-0.107	67	65.30342527	-0.02321995	-0.1157	65.65604543	-0.019611
1850.29	7071	17.71	-0.106	58	61.63832933	-0.060944159	-0.1157	62.23155196	-0.042591
1555	3537	18.37	-0.105	53	62.35551291	-0.011755943	-0.1157	62.62552974	-0.005894
	12833.3	2.69	-0.165	531					
1833.9	12554.1	3.18	-0.165	515	459.9550628	-0.021153296	-0.1157		
	203.9	3.25	-0.162	471	502.2157964	0.005275576	-0.1157		
2914	3117.9	4.29	-0.105	449	424.4181165	-0.054745039	-0.1157		
1872.9	5993.9	4.99	-0.093	434	411.4312296	-0.052001772	-0.1157	414.6575029	-0.044568
1895.5	6981.5	6.03	-0.073	416	381.6627655	-0.05554174	-0.1157	386.1801671	-0.066918





Attachment 4 to  
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2515.2	7912.8	3.95	-0.143	346	323.9079207	-0.04451476	-0.1157	323.8750488	-0.0261232							
1949.5	9562.3	4.42	-0.158	353	327.8917622	-0.018540854	-0.1157	324.4280105	-0.0287791			1773.4	331.3762	0.017116	262.7374	0.321795
	203.9	5.33	-0.128	359	359.5332294	-0.03285207	-0.1157	354.8359719	-0.0469113							
1045.9	1262.9	5.46	-0.121	360	304.2298591	0.01409623	-0.1157	304.0193276	0.0133598							
1858.1	3117.9	6.74	-0.12	369	359.1118318	0.003347168	-0.1157	350.0062521	0.003482							
1100.4	4220.3	6.62	-0.119	372	382.8398031	0.002878042	-0.1157	382.6245351	0.002524							
2759.8	5560.1	6.55	-0.116	374	355.9723818	-0.002108594	-0.1157	356.8307019	-0.0025766							
993.3	7953.4	6.57	-0.119	387	356.1896412	0.004342851	-0.1157	358.3351549	0.005032							
981.7	8916.1	6.76	-0.114	391	350.8961526	-1.474888E-06	-0.1157	351.3293242	0.008879							
2816.3	11831.4	7.41	-0.112	346	341.432796	-0.018443919	-0.1157	342.359075	-0.014801			1955	232.4887	0.005704	262.1256	0.304328
	323	7.91	-0.118	319	331.739829	0.002884937	-0.1157	332.4563552	0.0064491							
1003.79	1325.79	8.06	-0.116	313	314.1007433	0.005251691	-0.1157	314.2717456	0.005971							
4779.21	5121	8.76	-0.116	302	156.879998	-0.630267059	-0.1157	156.3879748	-0.027762							
2966	9087	9.24	-0.116	184	191.4071237	-0.013855342	-0.1157	191.7260821	-0.011721							
	323	0.05	-0.169	526												
6749	7071	1.07	-0.169	506												
933.48	5004.49	1.34	-0.169	517												
	323	0.05	-0.169	562												
2697.91	3210.91	0.83	-0.169	674	513.7449267	-0.104874392	-0.1157									
1620.09	6141	1.25	-0.169	557	829.5511668	-0.021163482	-0.1157									
3625	9087	2.48	-0.169	570	512.1040197	-0.1016235808	-0.1157									
	323	0.05	-0.169	594												
1627.87	2250.87	0.39	-0.169	586	820.543032	-0.002448979	-0.1157									
1573.43	4224	0.71	-0.169	593	649.7974910	-0.0072942	-0.1157									
917	6141	0.85	-0.169	699	870.6732394	-0.047487356	-0.1157									
1830	7071	1.25	-0.169	519	870.8956639	-0.071561762	-0.1157									
	323	0.02	-0.169	542												
3901	4224	0.45	-0.169	592	610.5215946	-0.077781369	-0.1157									
917	6141	0.85	-0.169	675	693.3409904	-0.008373829	-0.1157									
1930	7071	0.82	-0.169	683	687.2042623	0.009456993	-0.1157									
933.45	5004.49	0.96	-0.169	634	643.1452071	0.012852062	-0.1157									
1052.52	9087	1.11	-0.16	614	622.7191192	0.014198886	-0.1157									
	323	2.37	-0.168	423												
2600.7	2863.7	2.749	-0.168	429	407.1067773	-0.004631362	-0.1157									
1819	4891.7	2.954	-0.168	399	357.1789336	-0.000081002	-0.1157									
3638.6	8320.6	3.465	-0.164	389	378.2828882	-0.00377694	-0.1157									
1601.7	8922.2	3.659	-0.097	377	379.2325691	0.002369395	-0.1157									
	226.3	3.815	-0.11	352	371.7559626	0.005107735	-0.1157	351.1195393	0.013527							
1500.4	2127.3	4.058	-0.127	337	342.2916154	0.01493381	-0.1157	371.1619918	0.029176							
4844.291	5971.591	4.874	-0.125	326	316.8149123	-0.034102877	-0.1157	342.8287926	0.017296							
	179.9	5.109	-0.122	310	307.5432296	-0.007503714	-0.1157	315.6297796	-0.023732							
919.9	1299.9	5.27	-0.122	302	304.3529717	0.000997297	-0.1157	305.6593496	-0.01079							
873.9	1867.7	5.42	-0.123	296	399.8289796	0.003911795	-0.1157	303.9703936	0.006824							
2892.8	4867.6	5.83	-0.119	288	280.8719263	-0.004750976	-0.1157	298.6236613	0.005168							
1542.2	5902.7	6.08	-0.118	283	275.5392761	-0.001752355	-0.1157	280.507358	-0.02667			1793.9	298.4592	0.011723	259.5719	0.312447
	1133.99	6.66	-0.111	269	259.3408181	-0.001832827	-0.1157	279.5551946	-0.001579							
2917.72	4251.6	7.21	-0.107	260	257.8930897	-0.007884401	-0.1157	255.3792266	-0.003636							
3804.7	7855.3	7.86	-0.104	253	348.7381393	-0.01885223	-0.1157	258.7497503	-0.004809							
	2162	8.3	-0.099	249	332.1066298	-0.0262617943	-0.1157	246.6076969	-0.012223							
3759	8399	8.61	-0.094	238	230.4909604	-0.031691007	-0.1157	234.74727	-0.041848							
659	8599	8.93	-0.09	247	234.6369036	-0.020178995	-0.1157	232.9570419	-0.021273							
1027	7916	3.04	-0.097	240	340.7690865	0.019704482	-0.1157	235.3334446	-0.047046							
1635	9551	9.19	-0.089	235	339.7097653	0.011713542	-0.1157	344.5535892	0.01914							
	169	9.41	-0.087	213	328.5442639	0.063466027	-0.1157	336.8353477	0.018668			1885	232.9397	-0.026645	231.937	-0.395263
689	1016	9.62	-0.087	219	209.8623697	-0.041267969	-0.1157	228.6330813	0.073355							
1799	2914	9.77	-0.087	210	212.7980789	0.019324195	-0.1157	210.7676976	-0.037499							
2305.2	5419.2	10.02	-0.087	214	300.0782821	-0.021038395	-0.1157	214.4746897	0.021308							
540.99	8580.19	10.16	-0.086	209	211.4599301	0.011740144	-0.1157	204.5452051	-0.042307			2555	235.4322	-0.016529	204.0164	-0.329494
	0	10.79	-0.086	200	192.8869595	-0.032082747	-0.1157	212.1462756	0.016054							
3747	1742	11.76	-0.082	184	182.1911019	-0.078661094	-0.1157	197.8074635	-0.010963							

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3065	3293	12.19	-0.037	161	164.3921532	0.021058923	-0.1157	167.460336	0.04028
762	4346	12.32	-0.025	164	169.5142709	-0.033485797	-0.1157	169.1893496	-0.329333
1120	5156	12.62	-0.026	165	160.1204693	0.028415227	-0.1157	161.2033204	0.333356
927	6972	12.66	-0.035	161	163.4276345	0.01594334	-0.1157	164.1332218	0.320746
1957	7929	12.65	-0.027	148	146.3264664	0.02244461	-0.1157	146.901133	0.313111
1959	8964	14.28	-0.027	141	139.2864917	-0.00790474	-0.1157	141.2644638	0.301876
1174	11339	14.42	-0.027	137	139.4909376	0.010282766	-0.1157	135.1719243	0.315659
	377.3	14.72	-0.025	161	162.3269144	-0.078069912	-0.1157	163.6637296	-0.173269
1843.2	2220.5	14.94	-0.033	162	166.8166643	0.031681344	-0.1157	167.6826184	0.339359
984.7	3236.2	15.06	-0.034	147	146.8322775	0.016287196	-0.1157	160.4874932	0.323922
1965.9	5172	15.28	-0.034	141	143.1794293	0.015466938	-0.1157	144.3063371	0.323464
1969.2	7140.2	15.47	-0.034	136	137.6294276	0.013451676	-0.1157	133.7679227	0.323349
802.1	7942.3	15.66	-0.034	132	134.7039797	0.020463997	-0.1157	136.0891439	0.323402
1969.9	9903.2	15.74	-0.034	127	129.0818046	0.016666463	-0.1157	129.9120026	0.322513
	233.9	16.04	-0.034	124	122.6203436	-0.011622713	-0.1157	123.8596984	-0.331294
1431.7	1662.6	16.24	-0.035	119	121.0666919	0.017687166	-0.1157	121.8342912	0.324967
8240.3	7912.8	17.04	-0.034	116	108.1331666	-0.036617231	-0.1157	111.1769664	-0.067922
1949.5	8562.3	17.24	-0.034	120	116.2095261	-0.026666989	-0.1157	116.0341593	-0.3485
	203.9	17.66	-0.034	113	117.6559094	0.040217752	-0.1157	116.6641763	0.361956
1771.7	1975.6	17.81	-0.034	109	109.6379764	0.004932049	-0.1157	110.6663346	0.314201
8977.6	7963.4	19.71	-0.034	106	97.69762676	-0.079716597	-0.1157	101.0633698	-0.346672
581.7	8915.1	19.84	-0.032	110	104.3633014	-0.059124276	-0.1157	104.8487771	-0.346829
	323	19.27	-0.032	101	102.238244	0.022182932	-0.1157	106.336998	0.342238
3921	4224	19.94	-0.032	99	94.33872179	-0.047063662	-0.1157	96.33289931	-0.32634
	227	0.06	-0.165	790			-0.1157		
3265	3293	0.69	-0.165	756	732.5151971	-0.026647494	-0.1157		
762	4346	0.63	-0.165	757	741.6649491	-0.032161736	-0.1157		
1927	6972	1.23	-0.165	722	731.1413464	0.012661146	-0.1157		
1957	7929	1.61	-0.165	693	689.5945115	0.006677656	-0.1157		
1330	8969	1.61	-0.165	646	649.772182	0.028426484	-0.1157		
905	8964	1.55	-0.17	632	631.2614747	-0.001154276	-0.1157	622.7671622	-0.33982
1927	11791	2.33	-0.184	617	606.7962346	-0.016669329	-0.1157	606.6302661	-0.333216
SEC 4285	12791.43	2.9	-0.148	602	604.6716491	0.004271676	-0.1157	601.0666934	-0.301667
	377.3	2.67	-0.103	609	609.6736996	-0.119279497	-0.1157	607.0426327	-0.122607
1843.2	2220.5	2.56	-0.026	619	643.6691945	0.041843367	-0.1157	646.2743216	0.346761
984.7	3236.2	3.16	-0.034	608	606.6614066	0.012627759	-0.1157	607.6962939	0.016736
1965.9	5172	3.46	-0.027	603	674.8369679	0.021028166	-0.1157	673.7347979	0.329724
1969.2	7140.2	3.8	-0.104	601	642.4916146	0.0216641469	-0.1157	646.2226915	0.328666
802.1	7942.3	3.52	-0.11	616	622.4272338	0.016636661	-0.1157	624.4143032	0.31628
1969.9	9903.2	4.2	-0.116	489	489.0263109	0.020643667	-0.1157	488.3797861	0.323359
	233.9	4.62	-0.116	471	460.7517561	-0.021763452	-0.1157	461.6707773	-0.32302
551	611.8	4.78	-0.121	462	465.3957384	0.026666669	-0.1157	469.4295179	0.329705
7101	7912.8	6.66	-0.175	458	462.6126683	-0.10484163	-0.1157	461.418466	-0.139357
	203.9	6.66	-0.114	369	401.7160327	0.037622002	-0.1157	402.0466027	0.341248
1771.7	1975.6	6.66	-0.114	373	372.9336392	0.002603061	-0.1157	374.6376693	0.334361
1345.5	6222.1	7.64	-0.112	266	248.8159473	-0.044221961	-0.1157	248.6218494	-0.341232
8609.3	11631.4	8.69	-0.108	361	321.6907987	-0.032692187	-0.1157	324.6035348	-0.376488
	323	8.87	-0.104	339	336.4336429	0.0102210842	-0.1157	340.7364202	0.314092
2857.61	3210.31	9.36	-0.101	326	316.6594066	-0.028026653	-0.1157	316.3064066	-0.002632
1930.09	6141	9.68	-0.096	319	313.7490246	-0.016466736	-0.1157	316.6321273	-0.313656
1920	7971	10	-0.033	309	307.0102829	-0.006433991	-0.1157	309.062807	0.30047
1955	8967	10.32	-0.027	300	297.0321189	-0.005892997	-0.1157	299.1667999	-0.302777
	377.3	0.06	-0.165	648			-0.1157		
1827.9	3236.2	0.46	-0.165	620	616.4434463	-0.002741217	-0.1157		
1555.9	5172	0.61	-0.165	636	636.7026396	0.001175631	-0.1157		
0	6172	0.69	-0.165	606	606		-0.1157		
2770.3	7942.3	1.26	-0.169	672	666.4221764	-0.011469662	-0.1157		
1969.9	9903.2	1.66	-0.038	669	661.9239299	-0.012337371	-0.1157		
	233.9	3.57	-0.041	621	418.4167166	-0.196869819	-0.1157	491.7776614	-0.132666
4015.4	4223.3	4.46	-0.04	609	460.1459706	-0.025446924	-0.1157	610.2139992	0.304266
	323	6.66	-0.047	486	480.6496931	-0.053816718	-0.1157	480.7133016	0.366624
4919	6141	6.47	-0.046	442	422.9611873	-0.043074237	-0.1157	442.1403736	0.303218
1921.48	6796.48	6.66	-0.041	431	431.6479216	-0.03767619	-0.1157	437.4336668	0.306611

1927 156.4434 0.002842 154.7643 -0.037521

1935 644.3066 0.016476 655.4966 0.037177

	1137.6	2.72	-0.128	426	414.0185336	0.022272453	-0.1157	413.5545173	0.0222209
3076.4	4214	2.972	-0.146	391	392.6558322	0.000227734	-0.1157	391.1578231	0.000404
5633.4	7373.4	3.253	-0.142	351	375.7113986	-0.014234702	-0.1157	373.6432854	-0.0133005
2630.8	10564.2	3.525	-0.145	350	355.5452402	0.022517334	-0.1157	357.4527791	0.0226657
	173.9	3.715	-0.133	378	352.4107515	-0.062317959	-0.1157	350.7848414	-0.064627
1793.8	1937.7	2.63	-0.125	333	355.9175537	0.019055594	-0.1157	359.3571356	0.017513
5777.45	7745.15	4.25	-0.121	352	343.5542867	-0.022329731	-0.1157	342.5275341	-0.022591
	1133.39	4.75	-0.114	335	331.5538647	-0.015823341	-0.1157	331.5354287	-0.015742
2517.72	4351.5	5	-0.11	330	329.216284	-0.002377527	-0.1157	329.6233759	-0.001126
2572.8	8824.4	5.25	-0.107	322	320.2713455	-0.005259424	-0.1157	321.0488452	-0.0022955
1853.2	5777.5	5.44	-0.105	314	314.7594325	0.002416479	-0.1157	315.5155341	0.003484
2682.2	11439.8	5.74	-0.105	321	302.9243141	0.006293307	-0.1157	304.1715551	0.010539
	219	5.64	-0.104	328	297.418526	-0.034355484	-0.1157	297.6262526	-0.033232
945	1155	5.91	-0.104	295	305.4320495	0.033535101	-0.1157	305.755502	0.033495
997	2162	5.98	-0.103	321	292.5335218	-0.025111223	-0.1157	292.6621993	-0.0227043
3759	5933	6.26	-0.102	289	281.278271	-0.005555754	-0.1157	282.443142	-0.001901
558	5899	6.34	-0.1	321	280.2276232	-0.023335272	-0.1157	280.5155493	-0.0234425
1027	7916	6.42	-0.101	280	256.1313233	0.064754932	-0.1157	258.5015264	0.065424
877	8752	6.51	-0.1	293	276.5997433	-0.021462405	-0.1157	277.455333	-0.0229328
1495	12657	6.59	-0.101	272	275.5257547	0.025027522	-0.1157	260.5562553	0.022713
759	11446	6.77	-0.102	254	255.4277595	0.022463937	-0.1157	259.5112551	0.0222742
	1218	6.57	-0.102	270	257.7545922	-0.045525251	-0.1157	256.6559515	-0.041567
1755	2514	7.1	-0.102	251	255.5312505	0.019059773	-0.1157	256.4434222	0.0223556
555	3592	7.17	-0.101	284	258.5222175	0.015555109	-0.1157	259.1422397	0.0222248
7655.89	11371.89	7.66	-0.101	244	231.6843548	-0.045555528	-0.1157	236.5747599	-0.020431
	0	5.02	-0.104	230	232.1713772	0.042745118	-0.1157	240.0115528	0.04393
3245	3243	8.25	-0.105	222	222.5554553	0.002027594	-0.1157	223.5214331	0.0027345
593	4229	8.29	-0.107	215	215.5555209	0.015545515	-0.1157	215.5552228	0.015541
1910	5113	8.57	-0.105	200	211.3555427	0.045514272	-0.1157	211.4755454	0.045505
1921	5214	8.75	-0.112	194	197.5942503	0.019042579	-0.1157	198.0753554	0.0215027
1925	5942	9.55	-0.114	185	185.1542228	0.022517313	-0.1157	185.4522512	0.0224272
	227	9.41	-0.112	213	173.2355234	-0.177021552	-0.1157	173.7455215	-0.174586
573	1225	9.5	-0.112	224	210.7175555	0.03252974	-0.1157	210.5537448	0.032546
2642	4245	9.75	-0.112	159	197.7455521	0.045523424	-0.1157	198.1451755	0.045357
1927	5972	9.55	-0.112	155	184.5292725	-0.002545555	-0.1157	184.6134543	-0.001228
2957	5953	12.22	-0.112	175	175.0477593	0.017415758	-0.1157	173.4572299	0.015925
925	8554	12.25	-0.114	193	172.7105785	0.055575942	-0.1157	172.8572255	0.055474
1174	11238	12.54	-0.114	158	160.2594525	-0.047027255	-0.1157	160.225552	-0.046212
4743.429	12751.43	12.75	-0.115	151	153.2422515	0.013527714	-0.1157	153.4555223	0.015316
	377.3	10.52	-0.113	159	155.2244431	-0.162324534	-0.1157	156.4255549	-0.161753
1842.2	2225.5	11.11	-0.111	184	154.7522841	0.004275544	-0.1157	154.5554227	0.0025556
554.7	2225.2	11.21	-0.111	173	151.5105454	0.020225529	-0.1157	151.5555335	0.021542
1555.5	5172	11.44	-0.11	184	155.5021028	0.025222353	-0.1157	156.5752235	0.025524
1988.2	7142.2	11.68	-0.11	155	155.3555339	0.028510528	-0.1157	159.7272511	0.028391
2793	5922.2	12.02	-0.11	145	145.7755736	0.022555559	-0.1157	150.2732557	0.0225658
213.4	11115.5	12.19	-0.111	141	142.0792123	0.007552595	-0.1157	142.313552	0.007317
	252.8	12.52	-0.11	152	135.2757543	-0.105252527	-0.1157	135.7775222	-0.105725
2153.3	2373.1	12.71	-0.105	149	148.7522325	-0.00610457	-0.1157	149.0155994	0.002134
2527.5	4997.5	12.95	-0.105	149	144.0555782	-0.006251511	-0.1157	144.5212133	-0.003322
4884.7	5552.3	13.55	-0.105	138	135.4555731	-0.025534551	-0.1157	136.2552229	-0.0215574
2521.5	12554.1	13.55	-0.107	134	132.5014955	-0.018152555	-0.1157	133.1232555	-0.020544
	223.9	14.07	-0.105	128	132.147197	0.025171992	-0.1157	132.4322554	0.025525
1771.7	1975.5	14.22	-0.105	125	125.7044747	0.019257598	-0.1157	126.5551222	0.018721
2544.7	4220.3	14.41	-0.105	122	122.1502291	0.004550394	-0.1157	122.5075519	0.004151
2732.1	7953.4	14.75	-0.105	125	116.594337	-0.07147324	-0.1157	117.5557323	-0.073721
1829	2551.4	14.95	-0.105	123	123.0183524	0.005157554	-0.1157	123.2515595	0.003122
	323	15.48	-0.104	114	115.2773229	0.015525751	-0.1157	116.4542455	0.0151615
4515	5141	15.52	-0.104	112	103.5722214	-0.025725241	-0.1157	105.3545322	-0.023517
2563.48	5204.48	15.15	-0.103	129	105.5254171	0.00255714	-0.1157	105.755559	0.0027274
1829.59	5334.37	15.25	-0.102	110	105.5714755	-0.040255223	-0.1157	105.9055559	-0.037229
	5952.3	15.1	-0.155	520			-0.1157		
1529.9	7912.9	2.15	-0.155	517	455.1543122	-0.053552124	-0.1157		
1549.5	5952.3	2.77	-0.155	520	451.7472222	-0.025522224	-0.1157		
1549.5	11759.1	3.75	-0.155	475	471.4152775	-0.043222224	-0.1157		

2124.3	11033.4	6.51	-0.078	358	337.035591E	-0.053273529	-0.1157	346.845663	-0.329077		
792	11631.4	7.13	-0.078	351	346.747458E	-0.010115502	-0.1157	349.9431663	-0.333311		
575.5	12810	7.23	-0.075	358	340.651930E	0.007846347	-0.1157	344.2218022	0.319406		
	323	7.65	-0.084	332	327.252815E	0.25151197	-0.1157	330.539206	0.392295	1770.6	343.1854 0.316341 335.5248 -0.334365
1927.57	2253.67	8.24	-0.087	293	281.407662E	-0.039664936	-0.1157	287.3977134	-0.01912		
1973.43	4224	8.67	-0.085	279	271.717142E	-0.025103431	-0.1157	277.3728442	-0.005932		
917	5141	5.1	-0.05	269	271.423562E	0.002609749	-0.1157	273.3459266	0.31616		
950	5121	5.34	-0.051	257	261.332116E	0.017051032	-0.1157	261.2519029	0.324326		
1603.48	6004.49	5.97	-0.053	253	258.332131E	-0.046671699	-0.1157	243.3749931	-0.03005	1977	297.5703 0.341125 263.7371 0.326214
1062.52	9367	10.25	-0.054	241	239.65324E	-0.006783216	-0.1157	241.2192916	0.301325		
	5945.1	1.9	-0.165	599							
2515.2	8962.3	2.7	-0.165	593	544.300662E	-0.036373925	-0.1157				
971	10933.3	2.94	-0.165	558	556.489893E	-0.002656892	-0.1157				
524.9	11759.1	3.15	-0.082	844	551.237519E	0.19595733	-0.1157				
	203.9	3.87	-0.082	823	517.345651E	-0.005662236	-0.1157	526.0427629	0.311654		
1771.7	1975.5	4.11	-0.081	509	490.253725E	-0.028009967	-0.1157	500.346833	-0.3137		
1142.3	3117.9	4.44	-0.082	493	489.235917E	-0.007333956	-0.1157	456.974659	0.305222		
1102.4	4200.3	4.76	-0.082	481	474.473218E	-0.01369193	-0.1157	460.2313037	-0.001557	2914	486.555 -0.312153 471.0753 -0.344266
1770.5	5990.9	5.27	-0.081	465	452.514709E	-0.023680267	-0.1157	461.2991909	-0.297996		
559.3	5963.1	5.65	-0.08	455	443.573389E	-0.013974257	-0.1157	454.5724949	-0.33313	2872.9	450.5928 -0.309542 446.3745 -0.340055
553.3	7953.4	5.65	-0.075	444	435.359305E	-0.010254459	-0.1157	444.532277	0.303487		
981.7	5915.1	6.15	-0.08	431	428.551937E	-0.004584056	-0.1157	433.943595	0.30582		
2124.3	11033.4	6.76	-0.081	407	400.551148E	-0.015999149	-0.1157	410.4721531	0.308521	1852.5	443.3003 -0.301676 433.2931 -0.324115
1770.6	12810	7.2	-0.082	391	385.115636E	-0.012483797	-0.1157	382.749964	0.304476		
	323	7.5	-0.083	380	377.209302E	-0.007346574	-0.1157	381.4857446	0.302344		
1000.79	1325.79	7.75	-0.084	255	367.055322E	0.002625913	-0.1157	370.5625014	0.313555		
524.78	2250.57	8.05	-0.08	257	354.784733E	-0.003026117	-0.1157	359.0532164	0.303262		
1973.43	4224	9.61	-0.085	339	331.654003E	-0.015175921	-0.1157	340.4048967	0.304144	1527.57	363.343 0.316927 355.7984 -0.303354
1977	5121	5.06	-0.088	321	321.222946E	0.000654225	-0.1157	326.1313151	0.315585		
570	7371	3.31	-0.055	312	311.525530E	-0.00146355	-0.1157	314.02151155	0.308459		
1695	9367	3.66	-0.055	300	292.121025E	-0.026291249	-0.1157	297.0555569	-0.009682		
	203.9	0.04	-0.165	554							
1771.7	1975.5	0.25	-0.165	559	511.259638E	-0.055309945	-0.1157				
2244.7	4223.3	0.69	-0.165	589	537.572441E	-0.077409761	-0.1157				
2739.8	5963.1	1.42	-0.165	504	548.201355E	-0.037346749	-0.1157				
4079.3	11033.4	2.42	-0.165	557	555.219636E	-0.029211553	-0.1157				
	323	3.2	-0.165	544	528.315246E	-0.01535452	-0.1157				
1000.79	1325.79	3.39	-0.065	532	531.757437E	-0.005437147	-0.1157				
3315.21	5141	4.07	-0.087	510	460.412801E	-0.028403271	-0.1157	603.5976657	-0.301965		
950	5121	4.23	-0.082	521	500.325413E	-0.033662496	-0.1157	504.5519539	-0.031551		
970	7371	4.41	-0.083	503	509.594502E	0.013709952	-0.1157	515.2179636	0.32425		
532.48	6004.49	4.55	-0.085	490	492.279251E	0.004649559	-0.1157	497.2291999	0.314596	1930	499.5135 -0.308515 489.5637 -0.326515
1625.99	8934.37	4.97	-0.089	472	465.211163E	-0.008027203	-0.1157	477.6635263	0.312423		
	203.9	0.03	-0.165	530							
4013.4	4223.3	0.55	-0.165	545	455.210378E	-0.034016204	-0.1157				
1770.5	5990.9	0.76	-0.165	599	629.932494E	-0.032833311	-0.1157				
1652.6	7953.4	1.07	-0.165	579	545.723550E	-0.057472059	-0.1157				
1926	9681.4	1.35	-0.165	590	537.241365E	-0.045823109	-0.1157				
1950	11831.4	1.77	-0.165	503	552.794498E	-0.069037234	-0.1157				
	323	2.22	-0.165	553	571.578691E	0.014852222	-0.1157				
7851.48	5004.49	3.18	-0.165	575	501.693302E	-0.127163473	-0.1157				
	323	0.08	-0.165	597							
4819	5141	1.55	-0.165	514	501.575515E	-0.182615159	-0.1157				
1930	7371	3.15	-0.165	597	537.559379E	-0.049645232	-0.1157				
1995	9367	2.79	-0.165	591	555.292432E	-0.042526934	-0.1157				
	323	0.05	-0.165	598							
1627.57	2250.57	0.67	-0.165	532	557.591642E	-0.11723005	-0.1157				
1973.43	4224	1.33	-0.165	547	551.992054E	-0.057284754	-0.1157				
4843	9367	2.65	-0.165	526	552.435699E	-0.117510229	-0.1157				

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	323	0.04	-0.165	537						-0.1197
1827.57	2260.67	0.32	-0.165	540	816.2041223	-0.026660421				-0.1197
1973.43	4224	0.81	-0.165	585	828.9581961	-0.071655571				-0.1197
917	6141	0.77	-0.165	706	873.5164194	-0.044515717				-0.1197
860	8121	0.63	-0.165	680	881.8031562	-0.022355976				-0.1197
1903.46	8204.48	9.28	-0.165	717	881.8866224	-0.077141381			1877	860.8331 -0.342264
1829.59	8634.37	9.62	-0.165	733	888.4353532	-0.060335635				-0.1197
	009.9	0.07	-0.165	553						-0.1197
5677.8	9881.4	2.59	-0.165	527	138.6780914	-0.0380163491				-0.1197
1950	11821.4	3.45	-0.165	510	496.3543613	-0.026697331				-0.1197
	323	4.1	-0.032	474	474.0383937	-0.000165421				-0.1197
1827.57	2260.67	4.72	-0.038	489	440.0951922	-0.041184756				484.6555164 0.0123593
1973.43	4224	6.35	-0.042	444	425.5592783	-0.043207932				448.1420285 0.0299226
917	6141	5.6	-0.045	430	420.9101335	-0.022116591				438.5626601 0.0211773
1923	7271	6.13	-0.045	417	403.5576813	-0.022211796				415.6433604 0.0068235
1955	8367	6.65	-0.054	390	385.9534155	-0.25135806				405.7152847 0.04025
	233.5	0.05	-0.165	679						-0.1197
2914	3177.9	0.78	-0.165	714	623.6779489	-0.126801472				-0.1197
1921.6	11039.4	2.88	-0.165	732	589.3224734	-0.041690084				-0.1197
	323	3.65	-0.165	675	669.9619455	-0.019404525				-0.1197
3901	4224	4.87	-0.165	359	804.5133647	-0.022629492				-0.1197
917	6141	4.75	-0.051	642	842.6411842	-0.022169962				-0.1197
3826	8367	8.73	-0.054	623	874.777912	-0.077403051				607.7409524 -0.024493
	3243	0.64	-0.165	514						-0.1197
950	4223	0.69	-0.165	587	803.0742116	-0.027355326				-0.1197
1910	6113	0.59	-0.165	566	866.2948168	-0.000220977				-0.1197
2855	8979	1.47	-0.115	548	634.3966025	-0.015495956				-0.1197
2759	11718	2.01	-0.115	510	503.5350762	-0.000692716				-0.1197
909	12627	2.23	-0.122	456	458.7443662	-0.022103951			506.8949031 -0.002268	-0.1197
	227	2.46	-0.055	552	473.9358936	-0.06791929				497.2655561 0.023166
3085	3293	3	-0.08	535	498.8089795	-0.018166982				473.7068279 -0.106214
5556	6956	3.97	-0.063	491	446.9409742	-0.084234258				603.4959237 -0.002977
926	9564	4.17	-0.06	478	478.5562467	-0.007111441				487.3939166 -0.046261
	377.3	5.04	-0.055	411	425.8235117	-0.043828774				484.6522124 0.016857
881.3	1238.6	5.21	-0.07	421	402.7213328	-0.043419351				451.7501735 0.039246
581.9	2220.6	6.39	-0.073	406	412.0261566	-0.017348634				406.2071361 -0.035137
2651.6	5172	6.96	-0.074	390	376.2386637	-0.03002666			1949.2 401.1922 -0.008255	394.1369 -0.026923
1969.2	7140.2	6.36	-0.076	370	371.7697863	-0.064778098				415.7263791 0.025491
1829.2	6988.4	6.74	-0.078	368	381.6470228	-0.012437982				263.4957442 -0.002862
2182.0	11116.6	7.16	-0.081	335	340.8548378	-0.014446207				273.6251775 0.023211
783.8	11880.2	7.32	-0.081	347	328.2318323	-0.061203284				256.4372262 0.004058
784.8	12686	7.49	-0.08	343	340.0102563	-0.008716487				346.732231 0.031941
	233.9	7.69	-0.081	329	334.856391	-0.02059419				331.4046868 -0.046440
531	311.9	7.75	-0.082	319	324.0972445	-0.015173725				342.2648574 -0.002173
2412.4	3224.2	8.23	-0.084	301	301.8949889	-0.02278704			1649.6 326.6726 -0.047018	322.6 -0.069476
797.8	4022	8.39	-0.086	292	296.6437744	-0.012478878				337.8858798 0.029133
975.6	4997.6	8.57	-0.087	265	286.4319924	-0.01622278				323.855691 0.0293126
585.3	5952.9	9.75	-0.089	275	277.8927691	-0.005426261				209.7512729 0.019264
583.0	5946.1	9.02	-0.08	257	287.2121996	-0.00794786				267.2674899 0.007956
1920.0	8876.3	9.46	-0.081	250	288.824829	-0.024868407			1775.4 292.626 0.026404	226.9958 0.01402
568	9622.3	9.65	-0.082	251	282.5385782	-0.007727396				269.16829 0.008166
571	10533.3	9.64	-0.083	242	245.6000362	-0.018004039				263.8844871 -0.012206
	203.9	19.57	-0.055	225	222.5959423	-0.010315897			1848.6 273.8198 0.028841	288.7316 0.01332
1046.9	1262.9	19.73	-0.056	217	200.7318327	-0.01787248				245.252594 0.022398
722.9	1675.6	19.85	-0.058	209	218.9263914	-0.025470294				226.942436 0.029566
2244.7	4220.3	19.27	-0.059	204	198.7824641	-0.028723117			1957 248.8977 0.037022	245.4826 0.022644
1770.6	5990.8	19.62	-0.1	199	199.3959483	-0.019161765				221.8058938 0.021226
685.3	6980.1	19.84	-0.1	194	192.0849031	-0.024718956				214.5148039 0.025285
691.3	7853.4	12.07	-0.101	183	188.7118375	-0.001418348				200.672194 -0.016823
581.7	8915.1	12.3	-0.102	183	183.657515	-0.004741386			1771.7 219.9939 0.048256	217.6539 0.041374
2124.3	11029.4	12.62	-0.102	176	171.3420217	-0.02847804				196.8974758 -0.03877
	173	19.88	-0.103	163	169.6879352	-0.009115743			2739.8 192.8071 -0.038146	190.5455 -0.017937
										193.885555 -0.00391
										185.5889219 0.003116
									1955 166.2781 0.0124449	164.6601327 0.009072
										172.0216084 -0.016993
										163.6397 0.003316



1863.9	5962.9	3.52	-0.165	523	476.1422432	-0.08223267	-0.1157				
2893.4	8976.3	2.5	-0.165	507	474.5550536	-0.083387961	-0.1157				
3787.9	12664.1	3.26	-0.165	481	445.5168205	-0.073783603	-0.1157				
	203.9	3.69	-0.066	446	469.0698023	0.054055971	-0.1157				
1048.9	1262.9	3.61	-0.077	429	428.2770427	-0.061666216	-0.1157				
722.8	1876.6	4.14	-0.065	417	417.3533308	0.00084306	-0.1157			416.7001621	0.016618
1142.5	5117.9	4.45	-0.065	406	401.9099626	-0.007375851	-0.1157			421.4662513	0.010718
2134.2	6232.1	5.03	-0.052	366	377.3353125	-0.021148643	-0.1157		1771.7	429.1362	0.025164
1738	6963.1	6.93	-0.059	363	363.6796421	0.001668791	-0.1157			406.155563	0.002662
663.3	7963.4	6.78	-0.039	353	362.29915	0.006666143	-0.1157			354.4633216	0.012801
2055	11209.4	6.67	-0.057	335	316.419546	-0.048463694	-0.1157		2731.3	360.2646	0.026326
792	11931.4	6.8	-0.055	328	326.9029155	-0.002267606	-0.1157			327.6098042	0.004625
	323	7.46	-0.101	267	301.6972039	0.050391366	-0.1157			306.2792649	0.087176
1627.67	2260.67	7.58	-0.104	272	269.3679636	-0.005713369	-0.1157			272.0438437	0.00016
560.34	3210.91	6.26	-0.103	265	265.0647273	-0.011447542	-0.1157			264.1935732	-0.006751
1013.09	4224	6.64	-0.105	269	267.2324936	-0.00682436	-0.1157			269.2634415	-0.002726
1677	6131	6.16	-0.106	260	240.762622	-0.036549912	-0.1157			242.7832062	-0.006668
670	7371	6.47	-0.105	240	240.6050602	0.002621157	-0.1157		1973.43	266.6112	-0.006223
1695	9367	10.05	-0.105	228	222.933616	-0.023660322	-0.1157			244.6737027	-0.013712
	3224.2	0.96	-0.165	602							
797.6	4322	1.22	-0.165	557	551.6143828	0.026774626	-0.1157				
6340.3	9962.3	2.28	-0.163	561	464.6232862	-0.169420659	-0.1157				
2671.9	12664.1	3.64	-0.042	521	609.0959449	-0.034582266	-0.1157				
	203.9	3.66	-0.06	472	507.4590624	0.075126181	-0.1157			616.2061226	0.063661
1048.9	1262.9	4.16	-0.071	464	466.3611392	0.002975209	-0.1157			463.6630073	0.021101
1635.1	3117.9	4.65	-0.061	426	423.0922895	0.002115879	-0.1157			437.2534216	0.02637
1102.4	4223.3	4.66	-0.067	429	410.973761	0.004626797	-0.1157			416.7729618	0.01666
1770.5	5962.9	6.62	-0.062	390	383.6666616	-0.016747277	-0.1157			360.6991976	0.001469
669.3	6962.1	6.61	-0.066	379	376.6942034	-0.00346476	-0.1157		2872.9	398.3216	0.021286
663.3	7963.4	6.08	-0.066	370	366.5757222	-0.010683019	-0.1157			376.7323791	0.004683
661.7	6916.1	6.35	-0.064	366	366.2351433	0.000651261	-0.1157			366.427591	-0.03426
665.3	9981.4	6.62	-0.1	344	346.5147696	0.007601072	-0.1157			360.6325046	0.007076
1169	11255.4	6.63	-0.101	335	331.4691216	-0.010639936	-0.1157			346.6516466	0.013622
1770.5	12912	7.43	-0.101	321	316.639446	-0.010701467	-0.1157		1929	361.3076	0.021244
	323	7.78	-0.103	271	307.62662	0.033902268	-0.1157			336.4636976	0.014361
1002.79	1326.79	6.1	-0.112	266	260.6169069	-0.016769031	-0.1157			316.6026661	-0.00778
1666.12	3210.91	6.76	-0.114	266	244.6700902	-0.026726166	-0.1157			306.6636719	0.143661
1630.09	6141	6.38	-0.114	247	226.7606097	-0.041466321	-0.1157			261.7942316	-0.012097
1630	7371	6.96	-0.113	240	230.4366044	-0.036680399	-0.1157			246.1175676	-0.034933
1695	9367	10.61	-0.111	232	224.7064813	-0.031426996	-0.1157			237.6660016	-0.038662
										231.1666792	-0.036681
										226.6636266	-0.027683
	203.9	3.49	-0.165	532							
1771.7	1876.6	3.87	-0.165	514	503.5436463	-0.014004776	-0.1157				
2244.7	4223.3	4.46	-0.165	503	473.6266921	-0.040646616	-0.1157				
1021.6	6232.1	4.71	-0.065	456	464.6766623	-0.003716623	-0.1157				
1738	6962.1	6.16	-0.071	471	461.0667346	-0.021061669	-0.1157			47.14667737	0.000661
693.3	7963.4	6.66	-0.076	469	467.6616216	-0.003616967	-0.1157			461.0421634	0.008606
691.7	6916.1	6.62	-0.076	446	446.9166166	0.001200979	-0.1157		2739.6	446.4603	-0.064224
666.3	9981.4	6.66	-0.061	429	423.6666677	0.011366472	-0.1157			461.1601496	0.011447
1169	11209.4	6.16	-0.06	416	411.6679623	-0.005126163	-0.1157		1966	466.6421	0.021366
1770.5	12810	6.63	-0.062	401	362.771898	-0.022616733	-0.1157			437.6696693	0.029606
	323	6.67	-0.104	360	369.0777669	0.038466993	-0.1157			416.0736696	0.034624
1002.79	1326.79	7.2	-0.112	346	360.2240269	0.016140112	-0.1157			366.411446	-0.006666
624.76	2260.67	7.49	-0.116	336	336.6310607	0.001666669	-0.1157			366.6636673	0.079696
2660.43	6141	6.16	-0.12	312	306.6666432	-0.016122276	-0.1157			361.4909737	0.019614
1630	7371	6.64	-0.121	297	264.6766981	-0.006161646	-0.1157			336.2262026	0.023661
1695	9367	6.66	-0.122	262	261.4266266	-0.007067663	-0.1157			307.6613663	-0.014501
167.37	6634.37	6.27	-0.123	271	276.6666169	0.016406666	-0.1157		1627.67	343.1931	0.022427
										264.6666747	-0.008264
										261.2607396	-0.002621
										276.6747611	0.017666
	3243	0.63	-0.165	692							
950	4223	0.66	-0.166	696	661.4666466	0.034823666	-0.1157				
1910	6113	0.66	-0.166	693	617.0937336	0.028019661	-0.1157				
1162	7266	1.17	-0.26	469	461.6693773	0.006469749	-0.1157				
1714	6676	1.16	-0.14	476	471.1671116	-0.041626666	-0.1157			466.7467666	-0.00766

807	5972	3.47	-0.141	358	374.8554026	C.C18120859	-0.1157	373.3435746	0.014521
3587	8959	3.57	-0.136	362	346.5213377	-0.018202091	-0.1157	342.9484091	-0.025712
905	3864	4.37	-0.135	355	343.5731896	0.022835574	-0.1157	342.8549392	0.019608
1174	11239	4.43	-0.126	355	325.7040542	-0.055100371	-0.1157	324.4109771	-0.058723
753	11751	4.58	-0.123	333	349.3553221	0.031450336	-0.1157	349.3347847	0.033466
	377.3	5.01	-0.125	295	321.5927775	0.037813425	-0.1157	321.5351513	0.056271
1843.2	2222.5	5.35	-0.128	293	332.5552562	0.032022114	-0.1157	332.3330447	0.032613
584.7	3225.2	5.55	-0.121	271	375.3353593	0.022799411	-0.1157	375.2204578	0.015145
1955.9	5172	5.94	-0.125	250	355.5395935	-0.075255527	-0.1157	357.5223435	-0.082345
595	5157	6.15	-0.123	259	373.7335281	0.021282841	-0.1157	373.2229237	0.011548
1755.5	7942.3	6.3	-0.125	251	355.3595933	-0.017564547	-0.1157	355.5335589	-0.022577
1024.1	5955.4	6.7	-0.127	242	354.5255933	0.022595419	-0.1157	354.524591	0.051673
2513.5	11550.2	7.25	-0.126	235	325.3395957	-0.041055935	-0.1157	325.3367239	-0.044971
754.3	12855	7.44	-0.124	242	320.5595315	-0.045524447	-0.1157	320.7277508	-0.045562
	233.9	7.63	-0.124	213	325.5593057	0.035128557	-0.1157	325.5551195	0.034244
531	911.9	7.74	-0.125	211	315.1484055	0.019550725	-0.1157	315.0455575	0.019175
1559.3	2370.1	8	-0.125	205	324.5343512	-0.02271252	-0.1157	324.5327359	-0.033545
554.1	3224.2	8.16	-0.127	193	320.111139	0.01371313	-0.1157	320.5055531	0.014569
1773.4	4937.5	9.45	-0.125	191	150.3312535	-0.02321254	-0.1157	155.8735045	-0.025555
555.9	5552.9	8.7	-0.128	155	155.355574	0.02552343	-0.1157	155.9343379	0.025525
2553.4	5575.3	9.25	-0.128	179	170.5470441	-0.04453555	-0.1157	170.0131555	-0.052225
595	5552.3	9	-0.127	173	172.530499	0.02525355	-0.1157	172.5547245	0.023338
2521.5	12554.1	10.25	-0.128	154	155.4753435	-0.02755271	-0.1157	155.8555945	-0.032235
	223.9	10.47	-0.127	150	150.1122423	0.025745232	-0.1157	150.1204533	0.025747
1045.9	1252.9	10.62	-0.127	145	147.1545351	0.027507775	-0.1157	145.5527559	0.026721
2587.5	4220.3	11.14	-0.127	139	137.3537372	-0.019845517	-0.1157	135.54332	-0.015516
1773.5	5990.9	11.48	-0.127	135	133.4555459	-0.015701551	-0.1157	133.1257184	-0.021134
542.3	3952.1	11.67	-0.127	132	132.5415555	0.027125295	-0.1157	132.7575559	0.025725
1955	5915.1	12.05	-0.127	127	125.5275547	-0.015514559	-0.1157	125.1432555	-0.014517
555.3	5551.4	12.25	-0.127	125	133.5992339	0.013525147	-0.1157	133.5007324	0.012301
1552	11531.4	12.75	-0.125	119	115.1575345	-0.022034125	-0.1157	114.7552255	-0.023542
	323	12.3	-0.125	112	111.5527225	-0.020422259	-0.1157	111.5525755	-0.023225
1002.79	1525.79	13.45	-0.125	110	110.0355555	3.352755-05	-0.1157	105.5032753	-0.032591
1855.12	3213.51	13.77	-0.125	107	105.5552352	-0.010555932	-0.1157	105.5555333	-0.012273
1932.09	5141	14.12	-0.124	103	102.502554	-0.023757551	-0.1157	102.4155752	-0.025534
2552.45	5034.49	14.53	-0.124	99	95.3222335	-0.027050259	-0.1157	95.05035593	-0.022939
1825.59	5834.57	15.05	-0.123	95	54.71105534	-0.013425232	-0.1157	54.55052254	-0.014535
	232.9	0.05	-0.155	557			-0.1157		
2914	3117.9	0.55	-0.155	547	505.7022315	-0.025155413	-0.1157		
8753.5	9991.4	2.51	-0.155	516	432.5100745	-0.151503352	-0.1157		
1155	11235.4	3.22	-0.155	535	495.5055554	-0.071575023	-0.1157		
792	11531.4	2.5	-0.155	523	517.9557575	-0.02557452	-0.1157		
	323	4.12	-0.155	457	455.5912562	0.022551559	-0.1157		
1002.79	1525.79	4.41	-0.172	443	441.425341	-0.025525209	-0.1157		
1855.12	3213.51	5.22	-0.155	425	425.5591724	-0.037575423	-0.1157	354.7524431	-0.071105
1012.39	4224	5.44	-0.123	412	407.3748252	-0.011554155	-0.1157	404.555533	-0.017321
1577	5121	6	-0.125	402	355.2552325	-0.041571527	-0.1157	354.7921519	-0.042505
370	7371	6.3	-0.127	375	357.5222322	0.031433595	-0.1157	355.4175217	0.035595
1955	5257	6.5	-0.129	347	345.5425235	0.028452115	-0.1157	352.5193495	0.016154
	5172	1.45	-0.155	597			-0.1157		
2772.3	7942.3	2.21	-0.155	553	522.1225225	-0.054847329	-0.1157		
1520.9	9920.2	2.51	-0.155	537	521.9922229	-0.024235945	-0.1157		
1213.4	11115.5	3.24	-0.094	525	515.2214491	-0.015759145	-0.1157		
	233.9	3.53	-0.05	451	455.3512482	0.024552224	-0.1157	500.52245	0.044225
531	911.9	4.1	-0.055	455	471.3113455	0.011570394	-0.1157	474.5225519	0.018245
557.7	1525.5	4.25	-0.052	455	452.522182	-0.024525222	-0.1157	455.2512525	0.022772
2359.5	4222	5.3	-0.059	415	415.4345225	0.021047447	-0.1157	404.3731255	0.022345
375.5	4937.5	5.4	-0.103	431	420.3517527	-0.015515519	-0.1157	402.555735	0.024529
1545.5	5545.1	5.55	-0.103	354	375.4524225	-0.022254529	-0.1157	375.5145135	-0.013243
555.7	7912.9	6.25	-0.103	375	372.2522349	-0.020737812	-0.1157	371.552553	-0.023259
553.5	5575.3	6.5	-0.103	355	351.7725551	-0.025542225	-0.1157	351.5555971	-0.023564
555	9552.3	6.22	-0.103	349	351.253417	0.025542742	-0.1157	351.1557225	0.011525
571	1525.5	7.5	-0.103	325	327.5225225	-0.020737812	-0.1157	325.4155725	-0.023564







1655.1	5117.9	0.58	<-0.165	543	481.8774763	-0.105283778	-0.1197				
3104.2	8222.1	1.68	<-0.165	527	493.7392591	-0.083582352	-0.1197				
758.7	5930.8	1.85	<-0.165	538	512.5590544	-0.047045549	-0.1197				
559.3	5930.1	2.16	<-0.165	538	520.5903506	0.025374738	-0.1197				
1955	5915.1	2.62	<-0.165	495	480.2394927	-0.031638734	-0.1197				
559.3	5911.4	2.51	<-0.165	522	479.5516615	-0.021137277	-0.1197				
2625.6	12910	2.7	<-0.165	532	474.9331576	-0.052333749	-0.1197				
	523	2.52	<-0.165	454	455.4537981	0.046235534	-0.1197				
2897.91	3213.91	-0.77	<-0.081	452	422.1934736	-0.059126027	-0.1197				
1013.09	4224	6.02	<-0.075	443	426.5447988	-0.007573518	-0.1197			443.5192264	0.002075
917	5141	6.22	<-0.081	431	432.5206195	0.003527559	-0.1197			436.0555262	0.011173
2851.45	5304.48	6.04	<-0.077	412	390.7056042	-0.051685559	-0.1197			401.9329797	-0.021105
1092.52	8067	6.42	<-0.076	403	351.3795577	-0.018501031	-0.1197			400.1195388	0.0002556
	5992.9	1.18	<-0.165	592							
3479.4	9652.2	2.65	<-0.165	575	519.5566725	-0.098271004	-0.1197				
971	13633.3	2.53	<-0.165	552	523.7184173	-0.002252112	-0.1197				
1630.6	12564.1	3.32	<-0.05	542	534.4583394	-0.010282355	-0.1197				
	233.9	3.52	<-0.05	526	527.2259155	0.00433994	-0.1197			534.6259192	0.019537
1048.9	1252.9	3.85	<-0.058	528	504.5592212	-0.006626567	-0.1197			514.7372346	0.013203
1845.1	3117.9	4.42	<-0.074	485	474.4956466	-0.022571505	-0.1197			488.565631	0.026526
1122.4	4223.3	4.75	<-0.075	473	467.1757335	-0.012311352	-0.1197			474.2755173	0.002697
1770.5	5953.9	5.22	<-0.075	457	447.1241913	-0.021610095	-0.1197			455.9739159	-0.002245
589.3	5952.1	5.45	<-0.081	442	442.4553387	0.001063055	-0.1197			447.3554162	0.012316
1955	5915.1	6.05	<-0.084	417	412.3430519	-0.002575856	-0.1197			422.398796	0.012547
2124.3	11039.4	6.66	<-0.085	398	387.5353662	-0.028037799	-0.1197			396.1711131	-0.024655
1770.5	12910	7.12	<-0.085	391	376.5777341	-0.01124453	-0.1197			382.759265	0.024652
	323	7.42	<-0.09	384	357.1213235	0.037035558	-0.1197			370.6757437	0.047697
1002.79	1325.79	7.73	<-0.093	340	341.5133987	0.004451173	-0.1197			344.669396	0.013441
324.78	2323.67	7.57	<-0.095	331	330.3714467	-0.001859952	-0.1197			332.4652644	0.024517
1572.43	4224	8.46	<-0.095	319	312.1442359	-0.021451424	-0.1197			315.5450719	-0.029577
	517	8.67	<-0.095	309	311.0512405	0.008725407	-0.1197			312.5233514	0.011755
590	5131	8.5	<-0.095	302	320.8359574	-0.0045031	-0.1197			302.1152475	0.023974
1502.48	5304.48	9.4	<-0.095	259	254.4555542	-0.019724725	-0.1197			257.4149979	-0.005485
1829.59	5934.37	9.52	<-0.095	279	271.2352229	-0.027631459	-0.1197			274.2271255	-0.017137
	223.9	0.05	<-0.165	302							
4015.4	4223.3	0.5	<-0.165	522	541.7524318	-0.125793572	-0.1197				
2729.9	3952.1	1.44	<-0.165	547	523.2539941	-0.055914637	-0.1197				
1955	5915.1	1.54	<-0.165	551	605.4132593	-0.073043795	-0.1197				
	323	3.27	<-0.165	523	593.7172747	-0.051565582	-0.1197				
1002.79	1325.79	3.47	<-0.165	512	605.2524918	-0.002549374	-0.1197				
2851.21	4224	3.55	<-0.09	599	575.9386935	-0.03350144	-0.1197				
2847	7371	4.42	<-0.081	582	555.2359752	-0.025718256	-0.1197			534.1128359	0.023627
1595	9267	4.81	<-0.085	553	555.4549167	-0.015421539	-0.1197			570.5383936	0.011339
767.37	9334.37	4.98	<-0.085	551	551.5592934	0.001195534	-0.1197			557.7504929	0.012265
	577.9	0.05	<-0.165	579							
1843.2	2223.6	0.31	<-0.165	543	555.2355377	0.017924127	-0.1197				
584.7	3235.2	0.48	<-0.165	522	622.5421595	0.016545539	-0.1197				
4737.1	7942.3	6.28	<-0.162	552	562.3457787	0.021435179	-0.1197				
1174.3	11115.5	1.85	<-0.123	534	515.5936965	-0.034489732	-0.1197			503.2108878	-0.05747
1546.4	12665	2.15	<-0.107	549	515.1542794	-0.061621549	-0.1197			513.110892	-0.058366
	230.9	2.21	<-0.115	492	535.5355986	0.059154293	-0.1197			535.8311172	0.10129
551	911.8	2.35	<-0.125	478	465.9114425	0.015551136	-0.1197			453.592636	0.016672
3210.2	4322	2.81	<-0.131	454	454.3193111	4.252548-05	-0.1197			452.7910372	-0.022663
3	4322	2.81	<-0.134	454						454	0
4654.3	6975.3	3.6	<-0.125	442	412.0357394	-0.065139953	-0.1197			423.5993617	-0.076227
555	5952.3	3.81	<-0.122	429	431.0279262	0.004727101	-0.1197			430.4652634	0.003355
	203.5	4.45	<-0.117	423	355.4544587	-0.015593514	-0.1197			354.6464267	-0.020232
1049.5	1252.6	4.61	<-0.118	399	357.252584	0.023347124	-0.1197			357.2514148	0.024479
1635.1	3117.3	4.55	<-0.115	375	375.551129	0.001452305	-0.1197			376.5095992	0.092415
2872.9	5930.9	5.25	<-0.114	357	287.1335292	-0.025975942	-0.1197			287.7051957	-0.025326
589.3	5953.1	5.44	<-0.115	355	250.4693195	0.009857541	-0.1197			260.7776527	0.027759
1011.3	8067	6.55	<-0.112	325	216.7658995	-0.00629756	-0.1197			217.6417973	-0.001765

1898	8087	7.98	-0.11	277	273.9525007	-0.010895493	-0.1187	274.686529	-0.009309
	7812.8	1.8	-0.185	301					
533.5	3376.3	2.14	-0.185	559	553.9501161	-0.008825537	-0.1157		
1957	12622.3	2.69	-0.185	604	553.1782665	-0.075870607	-0.1197		
1830.8	12654.1	3.12	-0.185	592	553.1218654	-0.023848906	-0.1187		
	1232.3	2.5	-0.185	544	553.6943536	0.047048448	-0.1187		
1771.7	1875.6	3.73	-0.128	527	516.7091696	-0.016623059	-0.1187		
2244.7	4220.3	4.27	-0.128	538	454.3133637	-0.027822798	-0.1187	491.8341424	-0.031882
1001.8	8222.1	4.89	-0.079	526	489.9398225	-0.072814219	-0.1187	492.8534183	-0.087328
1739	8952.1	5.16	-0.079	492	481.5969345	-0.000209452	-0.1187	503.2869903	0.002629
1955	8915.1	5.66	-0.071	473	453.417656	-0.020335561	-0.1157	473.8915636	0.001685
2616.3	11631.4	6.43	-0.071	451	430.8359102	-0.044707757	-0.1187	448.8198032	-0.009266
	323	7.09	-0.051	396	416.7411724	0.056042943	-0.1187	430.2533916	0.089603
1002.79	1326.79	7.36	-0.037	351	382.8951352	0.004575733	-0.1187	338.7662842	0.016144
1886.10	3213.91	7.66	-0.038	370	363.3253219	-0.048087509	-0.1187	350.8793529	-0.026191
1013.09	4224	8.21	-0.05	353	368.5998273	0.0015824	-0.1157	368.4097182	0.018669
817	5141	8.6	-0.052	342	340.9655524	-0.003567873	-0.1187	343.5069343	0.002641
950	5121	8.51	-0.051	333	330.8015484	-0.015582854	-0.1187	333.5668197	-0.00787
870	7371	9.2	-0.052	321	324.5335486	0.011017285	-0.1187	327.1842497	0.019171
532.48	8034.49	9.45	-0.052	326	311.5353306	0.011481756	-0.1187	313.8228418	0.018266
	203.9	0.05	-0.185	550					
5015.0	8222.1	1.51	-0.185	501	487.5942637	-0.188711724	-0.1187		
4699.3	8881.4	2.8	-0.185	563	508.5788484	-0.127136756	-0.1187		
1950	11831.4	3.49	-0.185	596	543.2470486	-0.088511853	-0.1187		
	323	4.14	-0.185	542	531.3863098	0.017217912	-0.1187		
1002.79	1326.79	4.47	-0.185	529	521.0077941	-0.01512614	-0.1187		
524.78	2352.67	4.77	-0.11	519	510.3456439	-0.018684894	-0.1187		
1873.43	4224	5.42	-0.055	504	480.1801675	-0.047321116	-0.1187	483.1870681	-0.041265
1977	5121	5.96	-0.057	459	471.3202998	0.004553729	-0.1187	460.5715189	0.024672
970	7371	6.25	-0.051	451	454.0947109	-0.008839714	-0.1187	458.1115752	0.015766
1955	8087	6.77	-0.05	436	423.7837551	-0.023016655	-0.1187	420.1857444	-0.013404
767.37	8534.37	6.98	-0.058	410	428.1758684	0.037015752	-0.1187	427.8559935	0.043506
	3117.9	0.69	-0.185	548					
2104.0	8222.1	1.2	-0.185	566	514.9201637	-0.088819179	-0.1187		
2731.3	7983.4	1.8	-0.185	578	518.6977617	-0.107058256	-0.1187		
	323	3.64	-0.185	509	485.3251757	-0.077546609	-0.1187		
2697.81	3213.91	4.21	-0.185	499	483.7727252	-0.086681273	-0.1187		
1810.09	5141	4.77	-0.092	484	471.5203975	-0.02819758	-0.1187		
1950	7371	5.23	-0.091	473	455.1593446	-0.023043075	-0.1187	470.5748434	0.022074
2763.37	8534.37	5.8	-0.092	451	457.9521581	-0.026902995	-0.1187	453.2854718	0.005285
	3243	0.54	-0.185	557					
4322	7295	1.18	-0.185	547	617.8106697	-0.045114653	-0.1187		
1714	8979	1.45	-0.185	519	622.4317496	0.012054527	-0.1187		
951	9942	1.67	-0.185	541	602.8896285	-0.059486754	-0.1187		
954	10874	1.86	-0.185	610	626.8952641	0.027190897	-0.1187		
	227	2.47	-0.185	570	557.0459664	-0.0091829956	-0.1187		
976	1226	2.64	-0.185	533	558.5182869	0.047875711	-0.1187		
4787	5972	3.42	-0.12	520	484.8078924	-0.067485322	-0.1187	488.7559889	-0.102897
554	8626	3.88	-0.124	491	510.7467195	0.040217362	-0.1187	510.7237369	0.040171
3329	9664	4.12	-0.125	451	480.2657125	-0.001590949	-0.1187	485.1982115	-0.003506
	377.3	4.59	-0.118	458	418.42071166	-0.048041111	-0.1187	413.4950336	-0.049434
1843.0	2222.6	5.22	-0.113	418	418.1822118	0.005173106	-0.1187	418.82010688	0.006733
2581.5	5172	5.87	-0.107	425	358.4947006	-0.0406854449	-0.1187	350.9520966	-0.037162
955	5187	6.06	-0.103	395	353.672651	0.003195351	-0.1187	357.829386	0.03462
883.0	7142.0	6.25	-0.11	387	387.0954143	0.03420059	-0.1187	383.176289	0.087334
3575.4	11116.6	7.11	-0.112	331	322.0750295	-0.026584654	-0.1187	324.775322	-0.016504
	511.8	7.72	-0.111	322	307.9825439	-0.044482793	-0.1187	305.1412757	-0.038934
2102.0	4322	6.28	-0.11	308	301.1232187	-0.006193999	-0.1187	302.9599707	-0.031334
2924.1	8946.1	8.89	-0.103	285	291.5842932	-0.01172434	-0.1187	283.335811	-0.006936
585.7	7812.8	5.1	-0.105	278	277.8252466	0.01053728	-0.1187	278.8824467	0.012911
1810.8	10874	5.87	-0.09	250	281.2818975	-0.008621773	-0.1187	284.141618	-0.007947

2523.6	12810	12.81	-0.103	193	162.2244382	-0.030382693	-0.1157	184.5821974	-0.043316
	323	13.28	-0.103	179	166.8821616	-0.041822838	-0.1157	187.4833827	0.047226
1000.79	1326.79	13.23	-0.103	175	173.8147361	0.004686636	-0.1157	176.1236621	0.02642
2853.21	4224	12.7	-0.103	171	168.4264978	-0.02323368	-0.1157	166.2366328	-0.027265
1877	8121	14.02	-0.103	158	164.5738749	-0.008891116	-0.1157	168.1911943	-0.004872
870	7071	14.22	-0.103	152	162.0731619	0.000461666	-0.1157	162.4628472	0.002762
2763.37	9534.37	14.76	-0.107	156	151.8698924	-0.026619151	-0.1157	152.8223896	-0.020266
	203.9	0.05	-0.165	638			-0.1157		
8755.2	8960.1	1.5	-0.165	571	471.7842412	-0.173765273	-0.1157		
5849.9	12810	3.23	-0.165	623	469.7664436	-0.245925667	-0.1157		
191.6	13001.6	3.6	-0.165	574	617.5016917	0.078209667	-0.1157		
	323	3.65	-0.165	507	564.4166037	0.032629872	-0.1157		
2857.81	3210.81	4.62	-0.165	487	484.5792484	-0.048540559	-0.1157		
1510.59	5141	5.09	-0.163	466	480.3593135	-0.012106829	-0.1157	444.3507034	-0.043456
2883.49	5004.49	5.91	-0.163	446	422.4333294	-0.050711619	-0.1157	405.3728651	-0.060262
1062.52	9267	6.27	-0.114	428	428.2313635	0.000543083	-0.1157	428.7252913	-0.000646
	203.9	0.07	-0.165	595			-0.1157		
3139.3	2370.1	0.65	-0.165	666	530.001666	-0.082264659	-0.1157		
	203.9	3.62	-0.165	626	412.5737377	-0.230272677	-0.1157		
1771.7	1975.6	4.17	-0.165	522	501.8489415	-0.03680366	-0.1157		
1142.3	3117.9	4.48	-0.023	507	502.9952294	-0.007918898	-0.1157	456.344878	0.005785
2104.2	5022.1	5.07	-0.023	499	472.4292516	-0.04172966	-0.1157	466.259021	-0.012166
4689.3	3681.4	6.5	-0.023	472	418.4398994	-0.11660631	-0.1157	467.8579611	0.015206
2628.5	12810	7.28	-0.04	451	428.8259604	-0.048727363	-0.1157	444.90782	0.046642
	323	7.62	-0.044	425	423.013886	0.016655736	-0.1157	419.6608726	0.012002
1000.79	1326.79	7.66	-0.047	415	411.484013	-0.008472268	-0.1157	398.4979346	0.034669
2888.21	4224	8.7	-0.051	386	375.6519182	-0.024317777	-0.1157	377.0486369	0.000132
1877	8121	9.16	-0.054	377	365.806188	-0.032679797	-0.1157	371.5432166	0.024171
870	7071	9.43	-0.056	370	365.0105246	-0.018483359	-0.1157	354.6575669	0.019306
2762.37	9534.37	10.3	-0.057	350	337.4218762	-0.026637497	-0.1157		
	323	0.05	-0.165	626			-0.1157		
1927.57	2252.57	0.45	-0.165	663	508.0376805	-0.071617544	-0.1157		
1973.43	4224	0.67	-0.165	670	620.9626416	-0.073160036	-0.1157		
2847	7071	1.51	-0.165	593	620.8984262	-0.081377123	-0.1157		
	2181	0.23	-0.165	674			-0.1157		
1834	4246	0.69	-0.165	655	645.4462205	-0.009927439	-0.1157		
1627	5972	1.01	-0.166	616	631.3477303	0.024816147	-0.1157		
154	8926	1.16	-0.163	592	605.058422	0.032854918	-0.1157		
2123	8959	1.54	-0.167	564	595.1201942	-0.019671267	-0.1157	542.5003811	-0.037426
905	8964	1.74	-0.163	540	592.6581788	0.019737368	-0.1157	546.4736146	0.010196
	377.3	2.66	-0.163	484	487.7603206	0.007768269	-0.1157	466.142816	-0.022767
851.3	1239.5	3.77	-0.161	473	473.5832771	0.001444561	-0.1157	470.6532855	-0.004666
2953.4	5172	3.61	-0.123	455	427.7536265	-0.062073756	-0.1157	416.6536264	-0.105693
869	8157	3.8	-0.115	481	469.6212714	0.010026214	-0.1157	464.6784366	0.008617
583.2	7140.2	4.03	-0.12	429	429.804619	0.032703981	-0.1157	429.659169	0.03568
2975.4	11116.5	4.62	-0.113	409	385.9105985	-0.081338146	-0.1157	383.819419	-0.061566
1848.4	12655	5.16	-0.11	396	392.6556682	-0.008181699	-0.1157	363.6402627	-0.0061
	203.9	5.25	-0.112	251	287.0954143	0.072285438	-0.1157	287.609489	0.074265
591	811.8	6.45	-0.115	349	286.7346883	0.028013188	-0.1157	269.6793676	0.026803
2210.2	4022	6	-0.117	339	525.8272879	-0.0273912	-0.1157	326.4910315	-0.0264
975.6	4997.6	6.15	-0.116	325	327.4670908	0.007691016	-0.1157	327.633114	0.008108
835.3	5982.9	6.43	-0.113	318	316.6551677	-0.004588919	-0.1157	316.8718707	-0.004177
963.0	5946.1	6.66	-0.115	309	303.8944706	0.003226601	-0.1157	303.1209662	0.003636
1920.0	8876.3	7.07	-0.115	300	262.8963976	-0.021671006	-0.1157	262.8246204	-0.003366
985	8622.8	7.3	-0.119	294	261.8538672	-0.007301606	-0.1157	261.6974841	-0.006813
971	10953.3	7.64	-0.117	287	258.6741834	-0.004619744	-0.1157	265.7607122	-0.004214
	203.9	8.14	-0.117	262	257.1134427	0.016905936	-0.1157	267.6426123	0.021158
1043.9	1292.9	8.25	-0.118	255	257.0377734	0.006167707	-0.1157	257.4420193	0.009577
722.8	1975.6	8.4	-0.119	249	251.684423	0.010703494	-0.1157	251.7114896	0.01089
1246.5	5222.1	8.96	-0.118	238	232.6651635	-0.018701647	-0.1157	232.0779882	-0.004776
774.1	7882.8	8.46	-0.117	235	216.8182893	-0.031427696	-0.1157	216.8107416	-0.007501

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917	5141	18.74	-0.118	176	175.741972	0.00423984	-0.1187	175.8723691	0.004582					
950	6101	18.58	-0.116	171	170.5558532	-0.002012558	-0.1187	170.7585243	-0.001237					
1503.43	5004.48	12.25	-0.115	157	161.0054371	-0.025919539	-0.1187	161.2458937	-0.022474					
1629.58	9934.37	12.72	-0.115	159	159.7551321	0.011171722	-0.1187	160.0432054	0.012632	1877	171.8356	0.00374	171.3794	0.002215
	203.9	0.05	-0.185	524										
1048.9	1052.9	0.1	-0.185	523	515.2557927	-0.003322941	-0.1187							
723.8	1975.6	0.47	-0.185	503	505.5254547	0.013575371	-0.1187							
1142.5	3117.9	0.81	-0.185	529	482.9389781	-0.067073174	-0.1187							
1842.2	3963.1	1.97	-0.185	522	482.415764	-0.082811147	-0.1187							
2321.5	9591.4	2.78	-0.185	518	455.512726	-0.120435791	-0.1187							
	323	3.55	-0.185	493	450.3055004	-0.05545123	-0.1187							
1002.79	1525.79	4.24	-0.185	442	437.5448125	-0.010079513	-0.1187							
2859.21	4224	4.97	-0.085	429	405.0129354	-0.055604579	-0.1187							
1977	5121	5.23	-0.085	414	410.9351912	-0.007473992	-0.1187	415.4727045	0.002657					
3733.37	9934.37	6.25	-0.072	402	370.5293463	-0.077525939	-0.1187	382.8555932	-0.047515					
	203.9	0.07	-0.185	573										
1771.7	1975.6	0.63	-0.185	563	555.0442071	-0.035567456	-0.1187							
7595.8	9934.4	3.1	-0.185	564	431.7759225	-0.210593593	-0.1187							
1950	11531.4	3.61	-0.185	548	520.5592586	-0.031752077	-0.1187							
	323	4.22	-0.055	497	505.4125948	0.024975034	-0.1187							
1002.79	1325.79	4.22	-0.045	492	475.4597962	-0.00723598	-0.1187	451.5055015	0.015228					
524.78	2250.57	4.75	-0.091	472	469.199578	-0.002091742	-0.1187	477.5916394	0.011402					
1573.43	4224	5.32	-0.096	492	442.4559829	-0.021116052	-0.1187	455.1794827	0.0155852	1927.57	457.3526	0.032529	454.7771	-0.016303
917	5141	5.93	-0.092	434	440.7795932	0.018621434	-0.1187	448.7155131	0.029295					
950	5121	5.76	-0.085	425	422.2145234	-0.005584333	-0.1187	427.5550774	0.008718					
970	7371	6	-0.07	415	412.3543094	-0.004805281	-0.1187	415.321037	0.008002	1677	443.8958	0.027644	428.8121	0.009565
533.48	5004.48	6.23	-0.075	404	403.7304774	-0.000587135	-0.1187	408.3719956	0.010822					
1562.52	9967	6.5	-0.075	392	351.1515618	0.002953452	-0.1187	355.1151237	0.01555					
	203.9	0.05	-0.185	515										
1771.7	1975.6	0.43	-0.185	534	533.5353156	-0.071555717	-0.1187							
1142.5	3117.9	0.65	-0.185	554	614.5725395	-0.080233358	-0.1187							
2104.2	5222.1	1.15	-0.185	579	615.006295	-0.03874793	-0.1187							
2731.5	7953.4	1.5	-0.185	589	620.9223752	-0.097455945	-0.1187							
	323	3.52	-0.185	562	599.7252744	-0.120789039	-0.1187							
1927.57	2250.57	3.55	-0.185	521	615.2599389	-0.005555154	-0.1187							
1573.43	4224	4.4	-0.081	502	590.3298915	-0.019525532	-0.1187							
917	5141	4.61	-0.088	533	587.0551348	0.00993735	-0.1187	559.553593	0.022155					
950	5121	4.54	-0.087	537	587.1681574	0.018255579	-0.1187	578.2744242	0.032505					
1503.48	5004.48	5.33	-0.074	538	525.2399075	-0.018167059	-0.1187	525.0105017	0.007456	1877	559.541E	0.056807	571.1143	0.02534
1562.52	9967	5.6	-0.075	520	517.9957576	-0.003873563	-0.1187	524.4157784	0.009454					
	3293	2.97	-0.185	553										
2379	5972	3.28	-0.185	558	328.5155215	-0.059423317	-0.1187							
534	6835	3.53	-0.185	550	545.0706187	0.034055318	-0.1187							
2123	8959	3.91	-0.185	499	505.4324794	0.0220095918	-0.1187							
2079	11238	4.39	-0.185	517	485.0422091	-0.052751554	-0.1187							
753	11791	4.52	-0.185	492	507.1925911	0.010979332	-0.1187							
590.4255	12751.43	4.73	-0.185	517	475.7557414	-0.0719978224	-0.1187							
	377.3	4.95	-0.185	477	502.5532231	0.00559788	-0.1187							
551.3	1238.5	5.14	-0.185	455	486.2742218	0.00055503	-0.1187							
581.9	2222.5	5.25	-0.242	442	484.4321575	0.023127053	-0.1187							
584.7	3226.2	5.57	-0.161	454	420.5122345	-0.061735034	-0.1187	419.0330734	-0.076905					
1665.9	5172	5.07	-0.149	438	482.0014985	0.057553272	-0.1187	452.0532964	0.123662	1955.6	434.0928	-0.04367	442.5213	-0.025362
985	6157	6.24	-0.121	414	385.0004804	-0.074873254	-0.1187	370.4237039	-0.125264					
535.2	7143.2	6.44	-0.115	401	402.7576325	0.004353124	-0.1187	421.6372254	0.004053					
502.1	7942.3	6.62	-0.118	392	391.9528827	0.005054571	-0.1187	392.1085138	0.005405	1959.2	357.5414	-0.107278	372.5016	-0.079518
	252.9	7.55	-0.121	322	337.0103457	0.015030499	-0.1187	337.7087259	0.017159					
551	511.8	7.56	-0.125	325	327.5872036	0.009173025	-0.1187	327.5139216	0.00761					
2412.4	3224.2	8.25	-0.124	313	305.5951393	-0.013753852	-0.1187	307.5524231	-0.015595					
797.8	4322	9.69	-0.125	302	307.024693	0.019755124	-0.1187	305.8510277	0.016064					
0	4322	9.55	-0.125	302	302	0	-0.1187	302	0					
1667.9	5907.9	9.68	-0.124	288	255.5497795	-0.005551555	-0.1187	255.0738964	-0.006681					

2104.2	5222.1	11.55	-0.117	220	217.5552361	-0.012516556	-0.1157	217.5521056	-0.005581
1739	5950.1	11.55	-0.117	214	212.2239562	-0.028224451	-0.1157	212.4119433	-0.007421
1955	5915.1	12.24	-0.115	207	204.2394367	-0.015335054	-0.1157	204.4345141	-0.012257
2124.3	11029.4	12.7	-0.115	203	199.9102285	-0.020445526	-0.1157	199.244232	-0.013976
	323	12.25	-0.114	194	184.1451613	0.00075992	-0.1157	184.7433134	0.004024
1927.57	2252.57	11.73	-0.117	153	175.5515039	0.154652366	-0.1157	177.0246256	0.156653
	323	0.05	-0.155	552			-0.1157		
5511.37	5934.37	3.15	-0.155	552	403.2221196	-0.282575791	-0.1157		
	323	0.05	-0.155	502			-0.1157		
2557.91	3213.91	1.01	-0.155	519	539.2252514	-0.128375757	-0.1157		
3559.29	9357	2.75	-0.155	524	500.2155938	-0.171823421	-0.1157		
	323	0.05	-0.155	540			-0.1157		
1527.57	2252.57	0.5	-0.155	552	607.1547532	-0.054215058	-0.1157		
1573.43	4224	1	-0.155	597	624.4935513	-0.05059159	-0.1157		
1577	5131	1.48	-0.155	702	548.5422783	-0.073211	-0.1157		
1503.48	5004.48	1.55	-0.155	718	653.5955736	-0.073169135	-0.1157		
	323	0.04	-0.155	597			-0.1157		
1527.57	2252.57	0.25	-0.155	712	571.5104202	-0.055705936	-0.1157		
1573.43	4224	0.7	-0.155	751	551.7559726	-0.050529597	-0.1157		
2547	7071	1.25	-0.155	772	599.7916527	-0.039387242	-0.1157		
1743.37	5934.37	1.57	-0.155	814	734.5559522	-0.105475704	-0.1157		
	203.9	0.05	-0.155	523			-0.1157		
1045.9	1252.9	0.21	-0.155	555	501.2096206	0.030582458	-0.1157		
5707.3	5950.1	3.91	-0.155	559	483.552223	-0.149527376	-0.1157		
2521.3	5591.4	2.62	-0.037	554	521.5422841	-0.055605955	-0.1157		
	203.9	0.07	-0.155	553			-0.1157		
1771.7	1975.5	0.5	-0.155	505	555.5479395	-0.051423395	-0.1157		
2244.7	4223.9	0.25	-0.155	522	555.5251155	-0.101554257	-0.1157		
1021.9	5222.1	1.55	-0.155	543	500.0502555	-0.06075322	-0.1157		
1739	5950.1	2.11	-0.155	521	603.4744527	-0.028221477	-0.1157		
	323	4.14	-0.139	549	487.0359934	-0.112855222	-0.1157		
1527.57	2252.57	4.72	-0.051	525	512.175113	-0.024422342	-0.1157		
1573.43	4224	5.28	-0.052	512	450.5517597	-0.041052394	-0.1157	505.5209194	-0.012154
2547	7071	5.01	-0.05	495	469.159955	-0.052202244	-0.1157	459.2454545	-0.011427
513.43	5004.48	5.25	-0.05	454	480.5919592	-0.008335521	-0.1157	487.5232751	0.008105
1050.52	9357	5.52	-0.051	459	455.527575	0.020591755	-0.1157	478.2223589	0.037522
	203.9	0.05	-0.155	549			-0.1157		
2914	3117.9	0.55	-0.155	571	510.3421795	-0.105220559	-0.1157		
2104.2	5222.1	1.74	-0.155	593	528.1173221	-0.05524153	-0.1157		
2751.3	7952.4	1.77	-0.155	512	547.1437345	-0.102043055	-0.1157		
	323	3.45	-0.155	594	455.5756395	-0.150132559	-0.1157		
2557.91	3213.91	4.05	-0.155	575	552.9348534	-0.240217258	-0.1157		
4753.57	5004.45	4.55	-0.027	550	514.7028072	-0.080337544	-0.1157		
	203.9	0.03	-0.155	553			-0.1157		
4015.4	4223.3	0.59	-0.155	559	519.3357512	-0.0755634205	-0.1157		
1021.8	5222.1	0.75	-0.155	591	555.5959315	-0.049250316	-0.1157		
2731.3	7952.4	1.15	-0.155	708	555.5323555	-0.072975457	-0.1157		
3255	11035.4	1.75	-0.155	751	558.5344715	-0.095584554	-0.1157		
	323	2.42	-0.155	555	575.4718335	0.014221973	-0.1157		
4915	5141	3.14	-0.155	544	511.0252227	-0.051223571	-0.1157		
1920	7071	3.45	-0.053	631	519.7565555	-0.017751555	-0.1157		
1955	9357	3.55	-0.052	527	502.2200214	-0.007874755	-0.1157	510.5015775	0.005428
	377.3	0.05	-0.155	553			-0.1157		
2527.9	3205.2	0.55	-0.155	552	525.4356052	-0.040735534	-0.1157		
2551.9	5157	1.1	-0.155	535	515.331856	-0.030524739	-0.1157		
3745.7	5973.7	1.54	-0.155	593	524.1514773	-0.045571151	-0.1157		

1955 453.0924 0.045521 455.5555 0.014555

722.9	1975.6	6.89	-0.037	428	407.1358984	0.000793896	-0.1197	405.8269609	0.009377					
1142.3	3117.9	6.23	-0.037	396	336.8263311	-0.012143456	-0.1197	354.1654217	-0.032111	1771.7	412.6534	0.016388	425.9614	-5.51E+05
1124.4	4223.3	6.24	-0.037	393	380.6113455	-0.003235696	-0.1197	354.4692269	0.003826					
1773.5	6993.8	6.9	-0.033	371	363.948311	-0.011185827	-0.1197	371.1903446	0.002913	2244.7	363.6776	0.00477	375.6398	-0.319256
659.3	6953.1	7.1	-0.035	362	362.2237311	0.0239044891	-0.1197	364.6275249	0.036659					
4079.3	11325.4	7.66	-0.035	344	317.9474685	-0.073734123	-0.1197	328.3638366	-0.051288	3739.6	364.7875	0.026123	355.1683	0.317624
	323	6.46	-0.035	318	323.3275936	0.024139199	-0.1197	328.6325997	0.043631					
1002.79	1526.79	6.77	-0.03	305	354.4362767	-0.004637559	-0.1197	307.4307324	0.004676					
624.79	2262.67	6.03	-0.03	299	366.6233851	-0.007946712	-0.1197	366.6233207	-0.032266					
560.34	6213.91	9.29	-0.091	299	289.8976934	-0.010782379	-0.1197	292.0949264	-0.039124	1627.57	303.3691	0.004676	295.1697	-0.012947
2890.09	6101	10	-0.09	283	269.127698	-0.049019036	-0.1197	274.6976664	-0.029442					
870	7371	10.26	-0.09	275	374.3291171	-0.002443211	-0.1197	376.4645789	0.002629					
1995	9367	10.63	-0.09	262	266.2466079	-0.001981979	-0.1197	260.7794243	-0.004663					
767.37	9634.37	11	-0.09	252	287.3377704	0.0211681629	-0.1197	282.4657977	0.026741					
	233.9	0.03	-0.166	541										
2914	3117.9	0.81	-0.166	529	464.948232	-0.11826669	-0.1197							
6713.5	11831.4	3.61	-0.166	546	436.9686988	-0.002680939	-0.1197							
	323	3.26	-0.166	513	516.4232121	-0.003049759	-0.1197							
3901	4224	4.26	-0.031	509	460.112062	-0.07977399	-0.1197							
917	6141	4.46	-0.032	458	463.1721443	-0.001682866	-0.1197	456.8132162	0.016973					
1930	7371	4.81	-0.034	497	462.6326427	-0.066807791	-0.1197	460.6666415	-0.032266					
533.48	6004.48	5.12	-0.038	473	484.3902829	0.026593468	-0.1197	483.2965391	0.049687					
1629.59	6634.37	6.62	-0.042	464	443.2269642	-0.003731378	-0.1197	461.5296722	0.016144					
	233.9	0.04	-0.166	586										
2914	3117.9	0.83	-0.166	600	580.3697275	-0.002742462	-0.1197							
1542.2	6953.1	1.17	-0.166	620	587.0837976	-0.101477362	-0.1197							
1955	6916.1	1.55	-0.166	632	592.4304478	-0.062613051	-0.1197							
	323	2.62	-0.166	607	656.023428	-0.083661206	-0.1197							
6749	7371	3.76	-0.166	690	529.672376	-0.102416861	-0.1197							
	233.9	0.03	-0.166	552										
2914	3117.9	0.34	-0.166	566	601.6923112	-0.060363964	-0.1197							
2872.9	6993.8	0.71	-0.166	591	641.4794299	-0.068321636	-0.1197							
1952.5	7953.4	0.66	-0.166	603	603.6711427	-0.064693929	-0.1197							
	323	1.52	-0.166	672	607.6412662	-0.069846433	-0.1197							
6746	7371	3.65	-0.166	692	616.6120796	-0.103652097	-0.1197							
	3117.9	0.51	-0.166	537										
3842.2	6953.1	2.23	-0.166	514	466.6164999	-0.1079496	-0.1197							
1955	6916.1	2.75	-0.166	524	462.9619418	-0.041702496	-0.1197							
659.3	6991.4	3.04	-0.166	516	466.6048227	-0.066679631	-0.1197							
2828.6	12810	3.86	-0.166	491	463.3190366	-0.046163439	-0.1197							
	323	4.11	-0.166	452	476.9644364	0.097676626	-0.1197							
1002.79	1326.79	4.4	-0.166	454	454.6471632	-0.063363424	-0.1197							
624.79	2262.67	4.66	-0.166	452	446.7362395	-0.00037469	-0.1197							
1673.43	4224	5.27	-0.166	442	419.3169236	-0.04703931	-0.1197			1627.57	439.6266	-0.069763	420.3229	-0.366393
917	6141	6.66	-0.031	417	426.4978226	0.002377346	-0.1197							
960	6121	6.86	-0.031	424	402.2912307	-0.004226966	-0.1197	406.6690269	0.007399					
970	7371	6.16	-0.031	396	382.3526731	-0.016626876	-0.1197	392.0480239	-0.007473	1677	599.6441	-0.010267	412.4668	0.316061
1995	9067	6.87	-0.032	372	393.6666936	-0.01705209	-0.1197	370.6626666	0.002666					
	6167	1.67	-0.166	599										
683.0	7140.2	1.93	-0.166	648	680.6949468	0.006416667	-0.1197							
602.1	7942.3	2.16	-0.166	634	621.609326	-0.004102426	-0.1197							
1024.1	6966.4	2.42	-0.123	516	617.0176695	0.003917692	-0.1197							
555.6	6933.2	2.69	-0.123	494	466.2193117	0.010634621	-0.1197	466.1426697	0.008386					
1213.4	11116.6	3.01	-0.109	479	474.6666824	-0.008626638	-0.1197	472.4763221	-0.019621	1963.9	469.2863	-0.009644	601.1747	0.314624
1646.4	12665	3.43	-0.121	451	466.6066734	-0.009931723	-0.1197	464.613466	-0.013209					
	233.9	3.64	-0.145	411	448.4913266	0.0091196439	-0.1197	448.3472496	0.0093869	2751.8	447.6363	-0.026564	462.666	0.318378
551	611.9	3.81	-0.16	392	402.7210306	0.007349596	-0.1197	400.6926967	0.022641					
663.7	1662.6	4.04	-0.166	384	391.3690934	-0.006687692	-0.1197	377.6369046	-0.016291					
707.6	2370.1	4.26	-0.167	374	374.4677336	0.001652698	-0.1197	370.6222799	-0.008226	1431.7	387.6401	0.01	391.786	0.323273
1621.6	4377	4.77	-0.166	361	361.617661	0.004376166	-0.1197	364.7677391	0.017697					



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	223.9	7.15	-0.148	259	281.1599586	0.020279432	-0.1157	259.2593202	0.009193	1595.9	275.4366	0.005462	275.9392	0.022143
1048.9	1252.8	7.46	-0.146	242	245.674656	0.016316922	-0.1157	244.6717324	0.01104					
1655.1	3117.9	8.01	-0.144	232	226.5510515	-0.023357539	-0.1157	223.3271476	-0.037383					
1102.4	4223.3	8.23	-0.143	224	223.2315144	-0.003207526	-0.1157	221.5520134	-0.010925					
2739.6	6962.1	9.13	-0.138	216	303.5447949	-0.057663235	-0.1157	159.7356519	-0.076366					
993.3	7953.4	9.44	-0.135	212	329.1317733	-0.013246349	-0.1157	209.6942862	-0.02328					
561.7	8915.1	9.73	-0.132	206	704.767128	-0.001125253	-0.1157	209.692566	-0.025566					
565.3	9591.4	10.01	-0.131	201	159.2432945	-0.013745995	-0.1157	197.55151	-0.017107	1935	199.9366	-0.02007	221.3339	-0.019362
1159	11039.4	10.32	-0.127	195	193.4484844	-0.013028141	-0.1157	192.8716425	-0.016951					
1772.5	12810	10.77	-0.124	193	165.9442357	-0.021346255	-0.1157	165.347911	-0.024485					
	329	11.06	-0.121	192	191.5176911	0.019940729	-0.1157	161.3599572	0.018272	2124.3	189.3303	-0.033723	192.7932	-0.026565
1002.79	1326.79	11.34	-0.122	174	174.0973959	0.000385926	-0.1157	171.6363352	-0.000638					
1655.12	3212.91	11.66	-0.12	156	192.4997235	-0.023052555	-0.1157	161.3242947	-0.010277					
1015.09	4224	12.12	-0.119	152	155.7326168	-0.001546145	-0.1157	159.7399774	-0.021627					
1677	5101	12.63	-0.115	153	130.7249254	-0.016002431	-0.1157	150.7578954	-0.014656					
570	7371	12.9	-0.113	149	148.1342447	0.000907059	-0.1157	148.2022839	0.001367					
533.45	8204.49	13.15	-0.117	144	143.5357112	-0.003522533	-0.1157	141.6977999	-0.002059					
1052.52	9267	13.45	-0.116	139	138.5207048	0.005971772	-0.1157	135.0332753	0.007482	1923.48	143.9341	-0.000735	143.787	-0.001518
	323	0.05	-0.165	529			-0.1157							
1527.57	2252.57	0.41	-0.165	529	621.1924239	-0.072011555	-0.1157							
2820.45	5141	0.92	-0.165	574	610.7748292	-0.053265591	-0.1157							
1923	7071	1.2	-0.165	702	644.822593	-0.078255299	-0.1157							
	223.9	0.06	-0.165	536			-0.1157							
1048.9	1252.8	0.41	-0.165	552	515.2491955	-0.070983244	-0.1157							
1655.1	3117.9	0.55	-0.165	529	517.4485221	-0.021823442	-0.1157							
4895.5	7953.4	2.22	-0.165	515	484.3991555	-0.177677346	-0.1157							
3269	11039.4	3.03	-0.165	542	487.4114414	-0.137817257	-0.1157							
	325	1.93	-0.165	492	455.9455339	0.013844562	-0.1157							
1002.79	1326.79	4.2	-0.155	456	464.7349352	-0.002714593	-0.1157							
524.75	2252.57	4.47	-0.155	491	451.1521175	-0.001959597	-0.1157							
562.34	3212.91	4.75	-0.155	453	465.1453695	0.016622564	-0.1157			1527.57	439.382	-0.027146	448.9552	-0.054542
1513.09	5141	5.31	-0.155	443	423.3268952	-0.031569958	-0.1157							
2820.45	6204.49	6.17	-0.059	451	399.5564292	-0.07270222	-0.1157							
1052.52	9267	6.45	-0.094	413	414.8331692	0.034355	-0.1157	422.6992548	0.024066					
767.37	9534.37	6.7	-0.094	427	402.7478134	-0.05979559	-0.1157	407.4854143	-0.046599					
	12564.1	3.74	-0.165	599			-0.1157			1629.89	417.7312	-0.021707	434.5382	-0.052675
	233.9	3.55	-0.165	555	675.6597915	0.039172094	-0.1157							
1048.9	1252.8	4.23	-0.165	539	621.3477323	-0.011578393	-0.1157							
722.8	1975.5	4.9	-0.158	526	622.3922295	-0.004172456	-0.1157							
2244.7	4223.3	5.23	-0.151	594	574.0775427	-0.035559225	-0.1157	557.4721267	-0.04466					
1021.8	5222.1	5.59	-0.051	581	570.512711	-0.016358295	-0.1157	573.9482992	-0.012137					
1739	5952.1	6.12	-0.034	562	542.551247	-0.030925722	-0.1157	551.6317791	-0.014941					
593.5	7953.4	6.43	-0.031	549	540.2471964	-0.014147474	-0.1157	545.0543259	-0.003632	2739.6	541.8352	-0.03243	532.5956	-0.049756
1925	9591.4	7.01	-0.052	513	510.5335935	-0.004810265	-0.1157	522.4272125	0.018276					
1159	11039.4	7.37	-0.051	507	451.3933356	-0.030541547	-0.1157	457.6992229	-0.017952					
	329	8.2	-0.037	447	459.062399	0.029993355	-0.1157	474.0349266	0.063481					
1002.79	1326.79	8.47	-0.035	438	402.794362	-0.011807949	-0.1157	426.6223229	-0.003146					
524.75	2252.57	8.76	-0.091	425	422.3449951	-0.005922574	-0.1157	425.360762	0.002543					
562.34	3212.91	9.1	-0.052	429	405.0036363	7.221638E-06	-0.1157	412.6204591	0.002287	1527.57	425.204	5.43E-06	417.0193	-0.019778
1015.09	4224	9.42	-0.024	392	392.159219	0.008122046	-0.1157	395.7593925	0.017367					
917	5141	9.71	-0.059	392	377.145381	-0.007510155	-0.1157	375.6891274	-0.003844	1673.43	430.5923	0.027155	393.1856	0.009171
892	5101	10	-0.057	384	397.0399222	0.003339932	-0.1157	369.5657053	0.015293					
873	7371	10.3	-0.059	351	351.1525693	0.000497749	-0.1157	351.5522153	0.007254	1977	359.6537	0.015692	364.2732	0.002764
533.45	8204.49	10.69	-0.1	341	325.4329429	-0.004801534	-0.1157	341.4039966	0.001184					
1052.52	9267	10.9	-0.101	325	325.1553293	0.000565029	-0.1157	320.2637445	0.008551	1529.48	344.3956	0.006052	339.5562	-0.004146
	233.9	0.05	-0.165	541			-0.1157							
	2914	3117.9	0.68	-0.165	592	594.43524	-0.125824591							
3134.2	5222.1	1.18	-0.165	704	640.49695	-0.090224515	-0.1157							
3993	9915.1	2.05	-0.165	722	634.3744252	-0.116924429	-0.1157							
	329	3.49	-0.165	724	605.0019649	-0.162592726	-0.1157							
1702.79	1176.79	3.74	-0.165	597	705.1619944	0.073427736	-0.1157							

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	8826	6.07	-0.165	531	557.7145231	0.011859025	-0.1157		
4955	11731	8.58	-0.185	545	504.3283896	-0.079385316	-0.1157		
	1238.6	2.54	-0.045	523	505.5793255	-0.058355429	-0.1157		
551.9	2222.6	2.71	-0.027	544	517.5643075	-0.048582339	-0.1157	522.6220273	-0.037463
584.7	3228.2	2.88	-0.044	518	532.4043446	0.021791365	-0.1157	540.385883	0.047265
5751.2	8955.4	4.25	-0.045	491	451.2595918	-0.029376995	-0.1157	451.1979111	0.000282
953.9	5932.2	4.2	-0.052	473	475.5592132	0.004093773	-0.1157	465.5424374	0.017671
	233.9	4.57	-0.055	455	435.5102585	-0.041952355	-0.1157	455.233982	0.079315
3731.2	4222	5.57	-0.057	443	425.4677745	-0.031573239	-0.1157	440.2332446	0.023623
975.5	4997.5	5.74	-0.055	420	421.1939232	0.002244037	-0.1157	425.7559935	0.013388
1848.5	6546.1	6.12	-0.05	421	410.5975532	-0.025207475	-0.1157	420.2165559	-0.001855
2315.2	8652.3	6.77	-0.051	422	385.8624559	-0.029990005	-0.1157	405.1400597	0.007631
2801.8	12584.1	7.46	-0.052	395	370.1317742	-0.029918759	-0.1157	365.4328514	0.001515
	223.9	7.55	-0.055	357	375.3407595	0.034181412	-0.1157	350.4913283	0.056802
1771.7	1975.5	7.55	-0.059	345	345.8900191	0.011341183	-0.1157	351.5889711	0.024446
3545.5	5222.1	5.4	-0.071	332	322.5972246	-0.028095889	-0.1157	321.1397362	-0.002691
1738	5922.1	8.55	-0.073	325	320.5732181	-0.007224276	-0.1157	325.2242149	0.006815
1855	5915.1	3.05	-0.075	311	305.0355124	-0.005402953	-0.1157	314.5525371	0.040503
583.9	3531.4	5.15	-0.077	321	302.6432736	0.005769976	-0.1157	305.5695132	0.017584
1159	11039.4	5.52	-0.075	291	291.7753465	0.002655552	-0.1157	295.0339989	0.013962
1773.6	12512	5.93	-0.09	259	277.2533274	-0.02977477	-0.1157	281.8412621	-0.004295
	323	10.2	-0.082	252	273.5999425	0.045301329	-0.1157	275.5827455	0.057072
1527.57	2252.87	13.48	-0.084	254	253.2543229	-0.002922525	-0.1157	255.0520127	0.009282
1873.43	4224	13.77	-0.085	247	245.1341755	-0.006744225	-0.1157	247.5973145	0.003552
2847	7271	11.25	-0.057	235	232.2055579	-0.01162595	-0.1157	237.0114225	0.004286
532.45	8204.48	11.45	-0.085	231	231.5231353	0.002284555	-0.1157	232.7375397	0.007532
1052.52	5027	11.5	-0.09	224	225.5255593	0.006062975	-0.1157	227.1697395	0.014151
	223.9	0.05	-0.165	553			-0.1157		
7749.5	7953.4	2.11	-0.165	541	422.4539207	-0.218152985	-0.1157		
1929	9551.4	2.81	-0.155	529	505.5710426	-0.029727709	-0.1157		
1525.5	12910	3.57	-0.022	528	482.9995325	-0.045454757	-0.1157		
	5552.3	2.85	-0.155	541			-0.1157		
2821.9	12654.1	2.55	-0.155	519	455.3271455	-0.042665552	-0.1157		
	223.9	3.51	-0.155	495	504.9068275	0.041043934	-0.1157		
1771.7	1875.6	4.22	-0.057	472	455.2778257	-0.023593434	-0.1157		
1142.3	2117.9	4.52	-0.056	459	455.772042	-0.007035945	-0.1157	455.955527	-2.48502
2124.2	5222.1	5.22	-0.057	445	427.7202215	-0.0335571412	-0.1157	451.7247537	-0.026338
759.7	5992.9	5.44	-0.055	432	435.4343236	0.001020287	-0.1157	425.533593	0.006523
2850.9	9551.4	6.52	-0.073	412	380.4906972	-0.071573929	-0.1157	354.5941341	-0.037575
1852	11531.4	7.23	-0.072	399	355.7193554	-0.032254714	-0.1157	354.0125425	-0.012505
	1252.9	0.25	-0.155	541			-0.1157		
2957.5	4222.3	0.55	-0.155	555	501.7223936	-0.056232359	-0.1157		
4594.5	5315.1	2.23	-0.155	544	484.228344	-0.005515728	-0.1157		
2894.9	12913	2.59	-0.155	553	484.9458555	-0.135539559	-0.1157		
	2322	0.29	-0.155	528			-0.1157		
1923	4223	0.7	-0.155	594	602.2351422	0.012862929	-0.1157		
1910	5113	0.21	-0.155	578	572.5523751	-0.005753571	-0.1157		
1921	3014	1.23	-0.105	553	555.2753453	-0.011857593	-0.1157		
955	5975	1.5	-0.115	541	551.5592924	0.01572234	-0.1157	552.5559715	0.021555
351	3942	1.59	-0.1	555	525.5345559	-0.04714453	-0.1157	525.5052355	-0.047218
354	12874	1.59	-0.105	519	541.5710322	0.044037592	-0.1157	544.0122637	0.048189
	227	2.59	-0.125	458	450.7252414	0.027152597	-0.1157	454.2255494	0.034249
5519	4345	3.15	-0.124	491	454.2055397	-0.057701553	-0.1157	422.2553845	-0.131276
1122	5125	3.23	-0.102	445	471.3110455	0.055125345	-0.1157	472.272855	0.051597
4599	5554	4.15	-0.111	424	402.9142574	-0.002667977	-0.1157	405.2455155	0.007044
1174	11028	4.42	-0.105	417	391.5203523	-0.003562435	-0.1157	392.5271559	-0.068715
753	11791	4.58	-0.059	429	405.5596277	-0.027432217	-0.1157	410.0529193	-0.03517
	377.3	5.22	-0.102	375	402.1953439	0.075157594	-0.1157	405.2944217	0.039525
2827.9	3225.2	5.52	-0.102	352	353.2146793	-0.024285844	-0.1157	355.2845214	-0.015595
1555.9	5172	5.59	-0.104	341	345.3172325	0.015552057	-0.1157	345.5907055	0.022255
1552.5	7127.1	5.15	-0.107	315	315.757575	0.033317927	-0.1157	315.757575	0.047555
	519.5	519.222	0.00657	525.3354	525.3354	0.0118728	-0.1157	525.3354	0.0118728
	225.317	322.485	0.022485	254.3386	254.3386	0.011473	-0.1157	254.3386	0.011473
	225.317	322.485	0.022485	225.317	225.317	0.010344	-0.1157	225.317	0.010344
	439.557	423.8251	-0.077055	439.557	439.557	-0.042142	-0.1157	439.557	-0.042142
	541.3357	-0.02462		541.3357	541.3357	-0.02462	-0.1157	541.3357	-0.02462
	555.5975	-0.092741		555.5975	555.5975	-0.092741	-0.1157	555.5975	-0.092741
	354.1914	-0.03622		354.1914	354.1914	-0.03622	-0.1157	354.1914	-0.03622

1929.9	5982.9	6.72	-0.129	243	245.89127E	0.018013452	-0.1197	247.5622362	0.0233371
1929.9	7912.8	9.2	-0.11	236	223.4917141	-0.02783172	-0.1197	230.6131066	-0.022826
552.5	5876.3	5.4	-0.11	251	230.4172623	-0.002822719	-0.1197	230.6549366	-0.003696
955	9962.3	6.63	-0.11	203	224.727085	0.007744778	-0.1197	225.2290109	0.009566
2631.8	12664.1	10.34	-0.109	214	204.8339322	-0.042645281	-0.1197	209.2454414	-0.036232
	223.9	10.63	-0.11	193	228.1879269	0.051199508	-0.1197	205.6136376	0.253235
1771.7	1975.6	10.2	-0.111	192	152.3713376	0.002498851	-0.1197	153.1755266	0.006132
1942.5	5117.9	10.52	-0.111	158	187.9074187	-0.002462459	-0.1197	182.2319033	0.001074
2104.2	6222.1	14.25	-0.111	152	175.5892691	-0.003003588	-0.1197	180.4952466	0.002416
1738	8953.1	14.67	-0.112	175	173.2588977	-0.010081998	-0.1197	173.7153179	-0.007322
1955	5915.1	12.07	-0.112	170	166.6194297	-0.018716118	-0.1197	167.3330226	-0.015528
965.3	9591.4	12.27	-0.112	155	166.8760291	0.005830479	-0.1197	168.2343325	0.007481
1950	11631.4	12.73	-0.112	150	166.1503672	-0.022697706	-0.1197	166.7144679	-0.020636
	323	0.05	-0.165	592			-0.1197		
5748	7071	2.21	-0.165	590	466.7984684	-0.009019989	-0.1197		
531.48	6004.48	2.6	-0.165	595	660.2118892	-0.063160304	-0.1197		
1062.52	9067	2.64	-0.165	577	674.1611872	-0.004637264	-0.1197		
	223.9	0.06	-0.165	550			-0.1197		
4016.4	4220.3	1.1	-0.165	573	454.4513697	-0.127083142	-0.1197		
5819.1	11035.4	2.82	-0.165	555	468.5804497	-0.016185042	-0.1197		
	323	3.87	-0.165	482	508.2502847	0.033045989	-0.1197		
1627.57	2260.67	4.15	-0.091	479	459.0011626	-0.041781262	-0.1197		
1673.43	4224	4.76	-0.094	451	448.2712279	-0.034116911	-0.1197	461.6039428	0.001053
917	5141	5.03	-0.095	447	446.3391284	-0.001476463	-0.1197	453.1323522	0.013662
960	5121	6.22	-0.099	436	431.7496164	-0.007472378	-0.1197	438.528777	0.009105
1503.48	6004.48	6.87	-0.071	416	407.0841223	-0.016682476	-0.1197	418.6212888	0.009169
1062.52	9067	6.18	-0.073	408	399.8829364	-0.018059979	-0.1197	408.9666379	-8.46E-06
	323	0.07	-0.165	593			-0.1197		
1627.57	2260.67	6.6	-0.165	596	625.7350321	-0.061920204	-0.1197		
2650.43	5141	1.22	-0.165	719	627.5108696	-0.10323664	-0.1197		
2653.48	6004.48	1.95	-0.165	599	634.3928797	-0.06381877	-0.1197		
1062.52	9067	2.24	-0.165	731	679.9936675	-0.076263341	-0.1197		
	227	0.04	-0.165	572			-0.1197		
3056	3253	0.54	-0.169	562	619.7701227	-0.0236697159	-0.1197		
2979	5972	0.97	-0.169	537	624.3069196	-0.023637208	-0.1197		
2957	9369	1.48	-0.091	524	606.1893346	-0.03668104	-0.1197		
925	8864	1.65	-0.077	497	612.5106694	0.031880426	-0.1197	618.2779615	0.242813
	377.3	2.52	-0.114	426	446.3851113	0.039019096	-0.1197	465.1945949	0.294462
651.3	1239.6	2.71	-0.124	416	415.4453128	0.001066216	-0.1197	416.5994736	0.002182
1933.4	5172	3.46	-0.124	368	378.3587988	-0.022282842	-0.1197	373.1463226	-0.008355
1655.2	7140.2	3.87	-0.122	373	365.4178321	-0.006903837	-0.1197	363.7671222	-0.011348
822.1	7942.3	4.05	-0.124	355	366.0493324	0.025419389	-0.1197	364.6962033	0.004696
3174.3	11116.5	4.73	-0.12	345	325.1709727	-0.046779739	-0.1197	327.2123023	-0.061667
	230.9	6.29	-0.109	374	322.9320201	-0.12794754	-0.1197	322.6778224	-0.137452
661	611.8	6.15	-0.095	394	369.8486069	0.018246997	-0.1197	370.0936448	0.016741
680.7	1662.5	5.95	-0.095	355	337.0960093	0.003079569	-0.1197	338.2795647	0.005404
707.5	2370.1	5.67	-0.091	356	390.8229666	-0.01426133	-0.1197	361.9845452	-0.011236
1681.8	4322	6.99	-0.09	340	342.6216341	0.007710699	-0.1197	343.7827949	0.017208
576.5	4997.5	6.12	-0.089	329	332.3848487	0.0101996	-0.1197	334.2154276	0.016913
1548.6	5945.1	5.62	-0.085	315	312.120621	-0.012276494	-0.1197	316.3853638	0.001156
2616.2	9682.3	7.25	-0.088	303	291.645722	-0.02784426	-0.1197	297.6072651	-0.006976
	203.9	6.2	-0.099	265	289.0387644	0.011423928	-0.1197	276.91276	0.041285
1048.9	1252.9	9.25	-0.09	256	281.1566313	0.008870322	-0.1197	282.4724986	0.026282
1246.5	1975.5	9.45	-0.092	250	332.953347	0.011619792	-0.1197	335.703337	0.014825
1246.5	5222.1	9.66	-0.093	244	238.0289636	-0.024476596	-0.1197	240.7466346	-0.013323
2731.3	7959.4	9.25	-0.093	239	232.8711929	-0.0193267809	-0.1197	235.3066697	-0.002929
1828	9591.4	9.56	-0.094	227	227.4352346	0.001779353	-0.1197	228.2932522	0.010162
1950	11631.4	9.52	-0.094	219	217.4258914	-0.007187756	-0.1197	216.4456402	0.002004
	323	10.26	-0.095	208	208.0150915	6.28621E-09	-0.1197	210.3048323	0.011176
1002.79	1325.79	10.61	-0.096	203	204.0842897	0.005163641	-0.1197	204.8623069	0.009174
7668.71	4778	11.83	-0.096	187	180.7168774	-0.037979328	-0.1197	184.4463718	-0.048731

1949.6 225.0976 0.009404

2914 159.3893 0.00735

1877 444.7703 0.022461

2139.2 359.3712 0.00847

2827.6 339.8566 0.032658

1771.7 262.7469 0.040687

224.1602 0.002623

188.5644 0.033002

431.1112 -0.00954

252.0224 -0.011225

266.1679 0.032634

2944	3117.3	0.96	-0.165	526	555.113425	-0.11162559	-0.1157		
	323	3.65	-0.165	572	448.2352532	-0.216317739	-0.1157		
2667.51	3210.91	4.63	-0.165	556	303.5670494	-0.036095237	-0.1157		
1510.09	5141	5.27	-0.035	532	514.8956377	-0.031561253	-0.1157		
853	5131	5.67	-0.033	518	513.2348252	-0.009159179	-0.1157	526.4432241	0.0163
2955	9367	6.19	-0.043	459	465.5716125	-0.039710445	-0.1157	602.1060031	0.226606
	235.9	0.05	-0.155	573			-0.1157		
2595.4	3224.2	0.75	-0.155	597	530.5535555	-0.141000039	-0.1157		
	203.9	3.5	-0.155	518	421.613325	-0.157744743	-0.1157		
5015.2	5222.1	4.46	-0.155	525	478.4804057	-0.036655594	-0.1157		
4659.3	9591.4	5.24	-0.034	513	473.5441516	-0.078717092	-0.1157		
1953	11531.4	5.78	-0.034	500	455.5504975	-0.025559005	-0.1157	505.5625359	0.010762
	323	6.32	-0.042	457	452.7033716	0.026609128	-0.1157	490.903759	0.074486
1002.79	1325.79	6.97	-0.045	445	445.5259721	-0.00554513	-0.1157	452.2259042	0.313561
1685.12	3213.91	7.05	-0.05	431	421.096891	-0.023577251	-0.1157	416.2502426	0.312255
1532.09	5141	7.57	-0.054	413	404.8906944	-0.019289552	-0.1157	419.5194235	0.3169
1933	7371	8.05	-0.057	397	358.0759235	-0.023475247	-0.1157	401.5842591	0.311457
1995	9367	8.55	-0.05	354	375.7313077	-0.024553053	-0.1157	365.7253415	0.307055
	1257	3.45	-0.152	594			-0.1157		
	1235	3.55	-0.152	559	555.029413	0.01293075	-0.1157		
2085	3293	3.8	-0.152	533	527.3493555	0.008150163	-0.1157		
4525	7929	3.94	-0.114	500	485.552056	-0.005995558	-0.1157		
1030	9569	4.12	-0.057	520	469.3422285	-0.055567253	-0.1157	455.5445512	-0.257591
305	9564	4.3	-0.052	503	509.9159175	0.0117151259	-0.1157	511.9220297	0.017754
1174	11028	4.55	-0.031	492	463.1707148	-0.00775531	-0.1157	452.7954743	0.001512
1743.429	12761.43	4.53	-0.031	475	470.1222251	-0.010385598	-0.1157	477.0599295	0.324394
	377.3	5.15	-0.055	454	462.554151	0.019033329	-0.1157	466.6104727	0.227776
1543.2	2220.5	5.5	-0.055	423	415.3725921	0.029249827	-0.1157	440.6904315	0.341526
	233.8	7.54	-0.12	279	315.5516114	0.132100471	-0.1157	315.4533201	0.292445
591	511.9	5.04	-0.145	255	275.5520782	0.075875257	-0.1157	275.3954797	0.075767
1555.3	2370.1	5.31	-0.15	245	247.5556055	-0.004583914	-0.1157	245.1712531	-0.31136
1651.9	4322	5.6	-0.152	235	240.5347595	0.023424525	-0.1157	235.400705	0.314474
575.5	4937.5	5.75	-0.157	229	229.716713	0.003125354	-0.1157	225.152165	-0.309358
535.3	5932.9	5.95	-0.155	220	221.5519421	0.018285545	-0.1157	221.82112	0.309742
2353.4	5976.3	5.68	-0.158	209	202.5595774	-0.030314941	-0.1157	157.1425723	-0.255743
1857	10533.3	10.18	-0.156	198	156.5555141	-0.003753091	-0.1157	151.1243442	-0.224525
	203.9	10.55	-0.133	152	152.7425975	0.004035902	-0.1157	178.3458429	-0.220056
2514	3117.9	11.25	-0.133	176	174.1152937	-0.010702559	-0.1157	171.5559505	-0.223546
2842.2	6932.1	11.71	-0.15	170	155.5739743	-0.023662504	-0.1157	163.2577522	-0.209494
2621.3	9591.4	12.15	-0.147	158	151.2781379	-0.022555742	-0.1157	155.1420469	-0.205522
1550	11531.4	12.47	-0.145	152	153.7995523	-0.018757051	-0.1157	157.4151235	-0.226293
	323	12.89	-0.143	147	154.0599494	0.048205458	-0.1157	152.4286959	0.236929
1527.57	2253.57	13.21	-0.142	144	141.4757971	-0.017525255	-0.1157	140.4245554	-0.204527
1573.43	4224	13.55	-0.14	139	138.0917473	-0.005534132	-0.1157	137.0151554	-0.214258
517	5141	13.75	-0.135	135	135.5744335	-0.000523525	-0.1157	135.2513423	-0.220477
2353.46	8304.48	14.31	-0.137	139	127.1624775	-0.079357944	-0.1157	125.6152925	-0.208235
1062.52	9367	14.51	-0.135	129	124.7355119	0.002621155	-0.1157	124.2721325	0.248555
767.37	5534.37	14.55	-0.134	125	125.2715105	0.002472554	-0.1157	124.5270571	-0.200593
	377.3	0.07	-0.152	559			-0.1157		
851.3	1238.5	0.23	-0.155	544	553.0291955	0.017590097	-0.1157		
521.9	2220.5	0.41	-0.155	528	530.207923	0.005525544	-0.1157		
584.7	2205.2	0.59	-0.155	517	511.3592585	-0.003383472	-0.1157		
4737.1	7542.3	1.21	-0.078	500	555.3742192	-0.057705459	-0.1157	550.5552295	-0.232251
5174.3	11115.5	1.75	-0.032	537	555.5330115	0.002709214	-0.1157	578.305183	0.021702
	230.9	2.02	-0.103	511	549.3256915	0.073451493	-0.1157	532.2595119	0.254062
551	514.5	2.11	-0.105	459	505.5136293	0.042309523	-0.1157	507.0474593	0.243359
1559.3	2370.1	2.41	-0.138	454	463.5573775	0.012455487	-0.1157	467.5720743	0.209551
1651.9	4322	2.7	-0.143	451	442.1595192	-0.003275031	-0.1157	445.7973337	-0.211526
1560.9	5932.9	3.02	-0.143	442	434.3515648	-0.017582555	-0.1157	430.5273111	-0.225275
555.2	5945.1	3.22	-0.142	425	431.5441755	0.013014497	-0.1157	425.5375591	0.209305
1523.2	5976.3	3.59	-0.142	412	405.3327114	-0.005629541	-0.1157	404.5244473	-0.217902
1779.9	1755.4	4.59	-0.137	389	388.7551933	-0.074551575	-0.1157	381.7577555	-0.205773

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1955	5915.1	5.57	-0.14	315	235.8159194	-0.03877059	-0.1157	252.5959209	-0.3773556					
555.3	5551.4	6.12	-0.135	311	310.3759525	-0.00200359	-0.1157	309.4331926	-0.335029					
	323	6.67	-0.127	256	251.1547433	0.054679476	-0.1157	253.5559257	0.39491					
2557.31	3213.31	7.23	-0.135	255	344.5274435	-0.04555922	-0.1157	241.3447258	-0.357247					
1932.29	5141	7.54	-0.135	248	242.2551757	-0.011020916	-0.1157	240.9999592	-0.316216					
1932	7371	8.31	-0.131	238	231.5973555	-0.012553559	-0.1157	230.1535595	-0.324772					
1955	5357	8.61	-0.126	229	222.2997795	-0.028922311	-0.1157	221.337375	-0.334771					
	8113	9.24	-0.125	972			-0.1157							
1152	7265	1.6	-0.155	555	649.4599335	-0.008445573	-0.1157							
1714	3979	2	-0.155	528	524.3775513	-0.003955918	-0.1157							
951	5943	2.24	-0.121	594	607.3004536	0.022391336	-0.1157							
2587	12527	2.64	-0.12	554	552.5345534	-0.019795355	-0.1157	541.0995109	-0.322642					
	227	3.02	-0.083	587	551.8753337	-0.075415579	-0.1157	551.5462277	-0.275464					
1954	2151	3.48	-0.082	551	555.3156312	0.007159717	-0.1157	573.2153374	0.321554					
1112	3282	3.74	-0.288	523	543.5094477	0.027595175	-0.1157	545.1550773	0.239121					
1972	5125	4.16	-0.095	497	451.2892496	0.025599919	-0.1157	452.450857	0.22502					
837	5972	4.36	-0.102	478	465.5242952	0.015558818	-0.1157	466.109627	0.22115					
1957	7923	4.52	-0.11	423	451.4751754	0.022562551	-0.1157	457.0215355	0.231522					
1032	8959	5.05	-0.117	421	430.4545515	0.023457391	-0.1157	431.457927	0.22484					
925	8554	5.28	-0.121	428	410.3859504	0.005044339	-0.1157	410.2317373	0.205642					
2517.429	12791.43	5.52	-0.121	395	377.9111724	-0.043282555	-0.1157	377.5955911	-0.344255	1935	421.1415	0.03221	419.2555	0.227615
	377.3	6.34	-0.117	425	334.7333373	-0.03257371	-0.1157	334.5235197	-0.352551					
551.3	1235.5	6.12	-0.115	358	335.570551	0.022915239	-0.1157	337.0741979	0.22265					
551.9	2222.5	6.55	-0.115	375	375.9675304	0.002560555	-0.1157	376.2739127	0.202357					
234.7	3205.2	6.78	-0.115	355	334.8153355	-0.000502203	-0.1157	335.1272575	0.009345	1543.2	355.9355	0.221957	355.5555	0.232615
2551.5	3157	7.42	-0.115	341	333.2522353	-0.005555328	-0.1157	335.1027914	-0.202557					
551.2	7142.2	7.53	-0.115	325	332.5351155	0.000045379	-0.1157	332.5534939	0.221554					
802.1	7542.3	7.8	-0.115	319	315.4322355	0.0013552	-0.1157	315.555535	0.202159					
1553.9	8933.2	8.21	-0.117	299	301.7223529	0.015793555	-0.1157	304.1534534	0.017316	1785.3	325.4132	0.223255	325.8357	0.221432
2751.8	12355	8.74	-0.117	253	230.5223175	-0.025521597	-0.1157	251.2221725	-0.224225					
	233.9	9.51	-0.115	257	252.1551134	0.05552422	-0.1157	252.222223	0.257425					
1431.7	1552.5	9.23	-0.115	252	235.553255	-0.01555533	-0.1157	237.102033	-0.211131					
7359.5	4222	9.75	-0.12	247	244.3299917	-0.010500955	-0.1157	244.2555971	-0.212531					
2524.1	5945.1	10.25	-0.119	242	225.5525354	-0.042155225	-0.1157	225.5411313	-0.342329					
1932.2	3575.3	12.72	-0.115	234	225.5325251	-0.01875372	-0.1157	225.5522593	-0.215533					
1857	12633.3	11.07	-0.117	228	224.1550393	-0.007031575	-0.1157	224.552545	-0.205493					
	223.9	11.5	-0.115	221	214.55155	0.007559423	-0.1157	214.5112171	0.26321					
1048.9	1252.9	11.75	-0.113	195	155.0741823	0.000350422	-0.1157	155.1571054	0.202025					
1551.1	2117.9	12.15	-0.113	191	135.217083	-0.030277253	-0.1157	135.2222251	-0.223555					
2104.2	5222.1	12.54	-0.113	155	150.7574553	-0.02287552	-0.1157	150.5058729	-0.222114					
1733	5932.1	13.01	-0.117	177	175.555325	-0.23341505	-0.1157	177.0555548	0.202546					
2521.3	5551.4	13.52	-0.115	172	154.5335438	-0.04322153	-0.1157	154.5077548	-0.241515					
	323	14.25	-0.115	157	157.533432	0.003375151	-0.1157	158.0345755	0.20255					
1002.75	1125.79	14.55	-0.115	154	151.5533735	-0.005350429	-0.1157	152.5554019	-0.22551					
2533.21	4224	15.23	-0.114	147	142.5425425	-0.025525847	-0.1157	143.0725535	-0.225717					
2750.45	8034.45	15.05	-0.113	143	123.2555557	-0.053153535	-0.1157	123.2511552	-0.353755					
1052.52	9267	15.29	-0.111	139	124.5503435	-0.000357239	-0.1157	124.1725557	0.201251					
	323	0.55	-0.155	522			-0.1157							
1527.57	2250.57	0.34	-0.155	535	600.7753977	-0.053351353	-0.1157							
2552.43	5141	0.75	-0.155	533	501.7225117	-0.052457559	-0.1157							
2553.48	8224.48	0.7	-0.155	551	525.9523555	-0.030724429	-0.1157							
1052.52	9267	0.45	-0.155	528	555.555811	-0.000470254	-0.1157							
757.37	8534.37	1.5	-0.155	532	554.9321684	-0.053595251	-0.1157							
	322.42	0.35	-0.152	551			-0.1157							
737.3	4222	0.45	-0.155	543	553.134395	0.015720247	-0.1157							
575.5	4937.5	0.58	-0.155	625	531.0717243	0.00547533	-0.1157							
551.2	5923.9	0.71	-0.157	517	519.257592	0.003105091	-0.1157							
553.2	5945.1	0.84	-0.151	559	507.4751757	0.01414554	-0.1157	502.1515777	0.205311	1948.5	502.5355	0.205525	505.7257	0.217955
555.7	7912.8	0.57	-0.205	575	555.7511095	0.023373452	-0.1157	554.2399615	0.214427					
1948.5	9552.3	1.25	-0.205	548	555.3482599	0.01523425	-0.1157	542.1255739	-0.21272					
	223.9	1.55	-0.155	521	510.3227257	0.015020435	-0.1157	484.2555294	-0.233352					
1744.9	1744.9	1.57	-0.154	497	454.425773	-0.01557073	-0.1157	454.3272595	-0.209274					

	377.3	0.09	-0.188	731										-0.1197	
1843.2	2220.6	0.43	-0.188	710	701.0074115	-0.012889818	-0.1197							-0.1197	
584.7	3205.2	0.62	-0.188	698	694.0947075	0.008771577	-0.1197							-0.1197	
1855.8	5172	0.87	-0.102	688	689.7718814	-0.018794192	-0.1197							-0.1197	
1866.2	7140.2	1.2	-0.101	647	643.0598864	-0.02604458	-0.1197					646.6892283	-0.000222	-0.1197	
1826.2	8985.4	1.66	-0.1	632	636.8745167	-0.029989847	-0.1197					629.5891431	-0.007582	-0.1197	
2182.2	11118.6	1.82	-0.098	616	604.3749968	-0.016453842	-0.1197					601.5400749	-0.009854	-0.1197	
1843.4	12958	2.18	-0.098	603	601.1709898	-0.003033319	-0.1197					603.640963	0.001466	-0.1197	
	233.8	2.24	-0.109	584	599.5893464	0.07184142	-0.1197					599.8997488	0.076028	-0.1197	
591	811.8	2.59	-0.112	578	544.1418378	0.011418739	-0.1197					549.0187484	0.013304	-0.1197	
882.7	1682.6	2.6	-0.118	551	524.6449514	-0.047831488	-0.1197				**	514.6117998	-0.047831	-0.1197	
5283.8	3846.1	3.8	-0.103	516	471.6970009	-0.028062324	-0.1197					472.0253498	-0.006522	-0.1197	
665.7	7812.8	4.18	-0.098	498	500.787463	0.011881824	-0.1197				1431.7	532.662	-0.033245	530.6341	-0.039682
2920.8	10838.3	4.72	-0.094	475	462.5850434	-0.034753689	-0.1197					502.6825112	0.016524	-0.1197	
1823.8	12864.1	5.02	-0.092	468	482.1342381	-0.008227337	-0.1197					487.8438875	-0.023297	-0.1197	
	229.8	5.18	-0.094	434	487.6201429	0.054888122	-0.1197					483.8808823	0.001464	-0.1197	
1771.7	1875.6	6.22	-0.096	415	412.2287386	-0.001872304	-0.1197					469.471726	0.068881	-0.1197	
2044.7	4220.3	6.18	-0.098	401	412.2287386	-0.001872304	-0.1197					419.8078207	0.008019	-0.1197	
1001.8	8022.1	6.46	-0.097	393	383.5188181	-0.042898987	-0.1197					388.808042	-0.028688	-0.1197	
1038	8980.1	6.89	-0.1	383	388.7122075	0.014614657	-0.1197				**	381.114818	0.001186	-0.1197	
882.3	7983.4	7.07	-0.1	362	383.380167	0.028123888	-0.1197					386.8874808	0.038883	-0.1197	
1928	8881.4	7.84	-0.1	349	348.4788183	-0.040248819	-0.1197				2739.8	374.8369	0.062046	388.7684	0.044673
1980	11831.4	7.82	-0.099	339	340.0088983	-0.018488829	-0.1197					343.4714831	-0.007308	-0.1197	
	328	8.28	-0.1	316	330.0189024	-0.029902843	-0.1197					322.7887494	-0.018839	-0.1197	
1927.87	2282.87	9.78	-0.1	301	328.8286802	0.028898493	-0.1197					328.4890722	0.038486	-0.1197	
2880.43	5141	9.27	-0.1	284	316.868802	-0.007178728	-0.1197					301.4404888	0.007463	-0.1197	
1930	7071	9.78	-0.098	268	282.8387286	-0.037679710	-0.1197					289.7478889	-0.028086	-0.1197	
1888	8087	13.22	-0.098	278	277.8840482	-0.02802083	-0.1197					280.2213384	-0.018787	-0.1197	
					288.4088873	-0.00023188	-0.1197					272.0427384	-0.010784	-0.1197	
				478			-0.1197							-0.1197	
				462			-0.1197							-0.1197	
				481	462.3639671	0.000787808	-0.1197							-0.1197	
				481	460.5314623	-0.004028808	-0.1197							-0.1197	
				436	436.3783815	0.028888881	-0.1197							-0.1197	
				414	412.1788887	-0.001888882	-0.1197					410.8003889	-0.007788	-0.1197	
				392	394.1726882	0.008842437	-0.1197					382.8728188	0.007718	-0.1197	
				380	384.1038043	0.010799488	-0.1197					381.487318	0.008202	-0.1197	
				372	382.2349046	-0.003828188	-0.1197					380.4884888	-0.001031	-0.1197	
				336	381.0328148	-0.0108889	-0.1197					380.8847882	-0.012178	-0.1197	
				358	382.5471434	-0.009888088	-0.1197				**	382.8167178	-0.008488	-0.1197	
				334	348.8288881	0.044188088	-0.1197					348.1871442	0.046481	-0.1197	
				323	323.8428882	0.018088388	-0.1197				2761.8	347.7167	-0.023282	348.7183	-0.020463
				314	298.3284072	-0.038278888	-0.1197					298.8380888	-0.08784	-0.1197	
				304			-0.1197					314	0	-0.1197	
				306	308.8380888	0.002788088	-0.1197					308.0881082	0.008888	-0.1197	
				284	282.1881877	-0.040248808	-0.1197					281.028126	-0.038304	-0.1197	
				288	280.8188881	-0.024880808	-0.1197					281.8888887	-0.021133	-0.1197	
				278	289.878142	-0.011087882	-0.1197					271.8288881	-0.004282	-0.1197	
				268	289.8088887	0.038828888	-0.1197					288.0187702	0.038888	-0.1197	
				244	280.8988887	0.0288883472	-0.1197					281.8018848	0.038888	-0.1197	
				228	224.8870888	-0.014881888	-0.1197					228.7808496	-0.008803	-0.1197	
				220	210.8880172	-0.048218888	-0.1197					212.8814781	-0.038888	-0.1197	
				214	212.8140888	-0.002270888	-0.1197					214.2488888	0.001182	-0.1197	
				208	202.777844	-0.028108818	-0.1197					204.028808	-0.018888	-0.1197	
				200	197.8018188	-0.020784878	-0.1197					198.0288188	-0.014972	-0.1197	
				184	181.8388882	0.088784804	-0.1197					182.8847824	0.088804	-0.1197	
				177	176.8848888	-0.002170888	-0.1197					176.8848888	-0.002180	-0.1197	
				171	188.1197188	-0.038888888	-0.1197					187.4180136	-0.028884	-0.1197	
				173	182.8188888	-0.078047888	-0.1197					183.8278888	-0.078888	-0.1197	
				168	171.42871	0.02081181	-0.1197					172.0188882	0.028882	-0.1197	
				160	168.8807477	-0.00880882	-0.1197					160.8881807	0.008888	-0.1197	
				681			-0.1197							-0.1197	
				682			-0.1197							-0.1197	
				688	688.4082884	-0.014482821	-0.1197							-0.1197	
				848	848.8448848	0.00720148	-0.1197							-0.1197	
				814	814.8881888	0.008881888	-0.1197							-0.1197	

875.8	4997.6	8.81	< 142	448	447.7844362	C 010322758	< 0.1197	448.0240804	0.006827								
1548.8	8946.1	6.74	< 141	433	428.8421638	C 0188538	< 0.1197	422.8804182	-0.004064								
556.7	7910.9	6.25	< 14	418	429.2948946	C 010025844	< 0.1197	423.8862162	0.011786								
2848.9	11788.1	6.88	< 126	399	387.171354	-0.028844228	< 0.1197	382.0182184	-0.042688								
908	12684.1	7.12	< 154	388	380.4983983	C 011848332	< 0.1197	388.2610648	0.008682								
	233.9	7.2	< 154	372	378.2246648	C 022228828	< 0.1197	377.308317	0.019747								
1048.9	1082.9	7.48	< 158	362	382.4188983	C 022431894	< 0.1197	382.6372436	0.000116								
2887.8	4200.9	7.88	< 137	352	359.8408143	C 008848204	< 0.1197	351.7000762	-0.000802								
1733.1	7989.4	8.48	< 126	318	305.5818887	-0.027183881	< 0.1197	304.2203886	-0.057043								
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1002.79	1828.79	9.78	< 128	251	283.2512219	C 00888478	< 0.1197	282.8087893	0.006228								
2888.21	4224	10.16	< 118	284	249.8828112	-0.018887438	< 0.1197	248.2832836	-0.002807								
2847	7371	10.83	< 123	248	240.1347483	-0.021828734	< 0.1197	238.8848462	-0.038773								
1988	9387	10.87	< 121	242	238.1088224	-0.018078884	< 0.1197	237.088222	-0.002816								
	3224.2	0.28	< 188	821			< 0.1197										
1773.4	4997.6	0.48	< 188	591	808.3088283	C 028804812	< 0.1197										
888.8	8982.9	0.61	< 188	588	882.871884	C 021120086	< 0.1197										
883.2	8946.1	0.73	< 281	847	888.8428486	C 018178114	< 0.1197										
888.7	7912.8	0.88	< 278	834	888.1888282	C 008718082	< 0.1197	822.1018897	-0.011246								
883.8	8878.8	0.88	< 274	818	827.0148993	C 01740338	< 0.1197	817.8804878	-0.008285								
1987	10882.9	1.28	< 318	839	800.3271788	-0.017088841	< 0.1197	478.4028813	-0.068084								
824.8	11788.1	1.41	< 208	489	488.3448883	C 022188417	< 0.1197	481.4784878	0.008088								
	1282.8	1.78	< 184	488	487.2888212	-0.02188084	< 0.1197	482.1808882	-0.008801								
2887.8	4200.9	2.08	< 117	484	482.1188132	-0.001848008	< 0.1197	448.8178486	-0.018124								
1001.8	8222.1	2.16	< 181	472	448.8882184	-0.048888137	< 0.1197	448.8472289	-0.068028								
2721.8	7883.4	2.44	< 142	448	484.8088281	C 012288488	< 0.1197	480.8428273	0.008426								
2088	11039.4	2.82	< 132	438	428.034828	-0.018714284	< 0.1197	418.414822	-0.002237								
1770.8	12812	3.08	< 127	422	421.1888888	C 002778186	< 0.1197	418.7888178	-0.008048								
	323	3.27	< 124	411	411.0474719	C 002118808	< 0.1197	410.8277102	-0.001188								
1002.79	1828.79	3.37	< 124	387	408.1088881	C 012288482	< 0.1197	408.8088876	0.002828								
2888.21	4224	3.61	< 123	388	388.7872481	-0.008128128	< 0.1197	388.8888888	-0.008888								
2847	7371	3.88	< 118	388	374.5818847	-0.001703488	< 0.1197	373.8888888	-0.008888								
1988	9387	4.17	< 114	387	387.7088888	C 021810381	< 0.1197	387.8888287	0.002218								
	323	0.08	< 188	888			< 0.1197										
8744	9387	3	< 188	882	884.880228	-0.088107882	< 0.1197										
	323	0.08	< 188	888			< 0.1197										
1827.87	2280.87	0.82	< 188	877	828.8848088	-0.022088718	< 0.1197										
	323	0.08	< 188	898			< 0.1197										
1827.87	2280.87	0.41	< 188	824	873.4848884	-0.080888888	< 0.1197										
2880.48	8141	0.87	< 188	848	883.843182	-0.088473478	< 0.1197										
880	8121	1.17	< 188	888	882.8710881	-0.034088888	< 0.1197										
	323	0.08	< 188	881			< 0.1197										
1827.87	2280.87	0.28	< 188	888	883.8088188	-0.048712884	< 0.1197										
2880.48	8141	0.61	< 188	888	888.8808888	C 018147817	< 0.1197										
880	8121	0.74	< 188	823	848.8788871	C 028711071	< 0.1197										
870	7371	0.88	< 188	882	812.8487881	-0.060887733	< 0.1197										
883.48	8084.88	0.8	< 188	882	841.8827881	C 018840888	< 0.1197										
	323	0.08	< 188	802			< 0.1197										
8748	7371	2.18	< 188	874	470.0842118	-0.181177882	< 0.1197										
	8882.8	3.08	< 188	888			< 0.1197										
2801.8	12884.1	3.82	< 188	887	833.4818848	-0.042208844	< 0.1197										
	233.8	4.08	< 188	811	841.8748888	C 028418888	< 0.1197										
2814	8117.8	4.87	< 088	482	487.714483	-0.08888881	< 0.1197										
2104.2	8222.1	8.82	< 087	488	482.7788874	-0.048887884	< 0.1197	488.8187223	-0.018887								
1738	8880.1	9.18	< 084	448	488.1178228	-0.018888288	< 0.1197	447.0888041	-0.002038								
888.8	7883.4	8.47	< 082	437	482.718888	-0.008804881	< 0.1197	437.218871	0.0008								
1874	8881.8	7.88	< 088	474	477.8888881	-0.088888111	< 0.1197	478.8888888	-0.008888								
								1828.8	848.0832	0.188872	848.8888	0.008888					
													1871.8	888.8888	0.008888	848.1888	0.008888

1013.09	4234	5.31	-0.051	322	321.0579336	-0.000528261	-0.1197		323.5558941	0.0046396	2397.91	325.7796	-0.019735	316.7537	-0.345932	
1577	6101	3.83	-0.054	311	302.5594938	-0.027111391	-0.1197		306.7985121	-0.0135609	**					
970	7071	10.11	-0.034	332	300.7492654	-0.004141506	-0.1197		302.8212626	0.0030351	2990.03	309.4424	-0.005224	301.6834	-0.325666	
1995	9387	10.72	-0.014	293	290.7345791	-0.041651137	-0.1197		285.1734345	-0.0267323						
767.37	9934.37	10.93	-0.053	293	284.0216922	0.002610213	-0.1197		265.6259779	0.0103235						
	233.9	0.05	-0.165	526			-0.1197									
4016.4	4229.3	0.69	-0.165	527	547.1257922	-0.127395885	-0.1197									
1773.5	8993.0	1.28	-0.182	545	597.5839326	-0.073384106	-0.1197									
6048.5	11393.4	2.83	-0.183	619	554.7934939	-0.165662131	-0.1197									
1773.5	12613	3.04	-0.165	634	620.5163955	-0.021267509	-0.1197									
	323	2.38	-0.165	595	603.7154721	0.04083927	-0.1197									
2897.91	3213.51	2.56	-0.103	571	545.7535662	-0.044193912	-0.1197									
1533.09	5141	4.95	-0.059	557	544.9589275	-0.021621853	-0.1197		547.4469469	-0.017147						
1930	7071	4.77	-0.035	546	525.5596346	-0.026872454	-0.1197		534.5864939	-0.020166						
1995	9387	5.26	-0.08	527	514.6966341	-0.022898729	-0.1197		533.4996793	-0.006695						
767.37	9934.37	5.46	-0.08	513	514.5334431	0.002699162	-0.1197		516.6360977	0.010965						
	377.3	0.08	-0.165	588			-0.1197									
651.3	1235.9	0.2	-0.165	640	676.5615843	0.027132257	-0.1197									
991.9	2320.6	0.23	-0.185	579	623.5113476	-0.07234423	-0.1197									
884.7	3295.2	0.48	-0.165	641	657.5313045	0.041393491	-0.1197									
1955.9	5172	0.21	-0.165	523	616.1734243	-0.043587695	-0.1197									
955	5157	0.55	-0.167	591	609.7294167	0.01675932	-0.1197									
1788.3	7842.3	1.34	-0.167	570	596.7515481	-0.016959042	-0.1197		593.5977132	-0.028846						
3174.3	11116.6	1.95	-0.137	539	529.5534854	-0.016932999	-0.1197		514.7937933	-0.024491						
753.5	11992.2	2.11	-0.111	551	523.7752963	-0.057444154	-0.1197		527.5139731	-0.060047						
734.8	10699	2.22	-0.104	542	545.6996771	0.012326075	-0.1197		580.5131943	0.0103676	**					
811.8	2.65	-0.101	528		525.7513359	-0.000510752	-0.1197		527.6946443	0.0037326						
3210.2	4922	3.07	-0.102	491	494.2577949	0.0056336	-0.1197		499.997391	0.016471	1549.4	515.1744	-0.051244	515.124	-0.045812	
0	4322	3.07	-0.103	491	491	0	-0.1197		491	0						
2850.9	7912.6	3.64	-0.056	490	447.7579432	-0.067182136	-0.1197		453.5309766	-0.060577						
963.5	8976.3	4.04	-0.033	455	465.5452896	0.001276795	-0.1197		470.9698939	0.006338						
1957	10953.9	4.62	-0.05	449	441.5384965	-0.01693104	-0.1197		447.7323011	-0.002741						
1830.5	12654.1	4.57	-0.059	450	435.4544469	-0.01915174	-0.1197		411.1759149	-0.001901						
	233.9	5.16	-0.059	419	422.2599055	0.012359355	-0.1197		424.7552981	0.016163						
1048.9	1262.9	5.3	-0.05	406	411.0592231	0.014846871	-0.1197		412.8240332	0.019319						
1885.1	3117.9	5.95	-0.052	391	393.0599195	0.003293336	-0.1197		355.9892511	0.01276						
2104.2	5222.1	5.66	-0.053	380	376.7570525	-0.003534039	-0.1197		380.0031968	1.835E-05						
1738	8953.1	5.12	-0.034	370	385.3597755	-0.00444355	-0.1197		370.5217978	0.002491						
2821.3	9581.4	6.61	-0.034	357	348.5226937	-0.022626593	-0.1197		383.3443247	-0.01324						
1550	11651.4	7	-0.034	347	340.7171912	-0.016106377	-0.1197		344.1492712	-0.009215						
	323	7.46	-0.039	325	327.8247111	0.003073034	-0.1197		331.6915239	0.002569						
2697.91	3210.91	7.52	-0.039	315	323.3258512	-0.021187774	-0.1197		311.6920115	-0.012492						
2860.09	5101	9.39	-0.035	305	297.797696	-0.023712472	-0.1197		301.2445239	-0.012313						
570	7071	9.66	-0.035	299	295.6562763	-0.000480391	-0.1197		300.1135122	0.0037326						
532.49	8934.49	9.72	-0.035	293	292.6771355	0.017321724	-0.1197		284.2095939	0.011603	**					
1062.52	9387	9.93	-0.039	282	281.1871651	-0.002862429	-0.1197		282.5795563	0.002096	**	1903.48	295.3365	0.029268	292.6769	0.016792
767.37	9934.37	9.98	-0.039	275	276.991679	0.002897916	-0.1197		278.0099963	0.007233	**					
	323	0.03	-0.165	507			-0.1197									
4915	5141	1.23	-0.159	630	615.8273046	-0.179383961	-0.1197									
3825	9387	2.47	-0.158	517	582.9386197	-0.103827358	-0.1197									
	233.9	3.81	-0.165	499			-0.1197									
1048.9	1262.8	4.15	-0.165	480	479.399432	-0.001876246	-0.1197									
1653.1	3117.9	4.7	-0.165	454	449.4159625	-0.012054795	-0.1197									
1102.4	4223.3	6.01	-0.103	437	437.4521845	0.001057693	-0.1197									
1001.6	5222.1	6.23	-0.103	426	423.1323862	-0.005801913	-0.1197		434.3254953	-0.003928	**					
753.7	5990.8	5.49	-0.11	414	415.4251264	0.003442294	-0.1197		416.4478639	0.006991	**	2104.2	412.5664	-0.031634	423.5498	-0.005752
698.3	5960.1	5.76	-0.11	403	400.8359366	-0.00897809	-0.1197		401.8349993	-0.002767	**					
663.3	7953.4	6.04	-0.108	394	399.7159337	-0.016973922	-0.1197		390.7755235	-0.008191	**	1738	434.4766	0.00367	422.2136	-0.001951
561.7	8915.1	6.33	-0.108	380	391.499995	0.003599119	-0.1197		382.5755235	0.007044	**					
565.3	9981.4	6.59	-0.11	355	387.9151175	0.007556923	-0.1197		388.0791991	0.011175	**	1965	379.3414	-0.001733	377.323	-0.007945
545	11851.4	7.48	-0.11	344	384.7597952	-0.046979246	-0.1197		373.164674	-0.007673	**					



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1995	9367	10.08	-0.108	283	235.218551	-0.028784877	-0.1197	257.1500004	-0.022318	1930	258.3244	-0.0698688	255.9127	-0.069221
787.37	9534.37	10.28	-0.108	282	236.1645562	0.018526013	-0.1197	256.788277	0.0195828					
	9582.3	2.25	-0.165	557										
2821.8	12844.1	3.05	-0.165	558	535.3152459	-0.024213346	-0.1197							
	233.9	2.25	-0.165	526	550.5303235	0.048919049	-0.1197							
	3117.9	3.85	-0.093	507	450.5517697	-0.021633559	-0.1197							
2104.2	5222.1	4.24	-0.096	498	483.9755743	-0.005451456	-0.1197	487.5330916	-2.448705					
1738	9953.1	4.86	-0.1	471	489.6511165	-0.003342354	-0.1197	472.7624792	0.023784					
1995	9915.1	4.95	-0.097	459	445.5176386	-0.020696739	-0.1197	452.984984	-0.012105					
996.9	9681.4	5.37	-0.097	448	447.0704597	-0.002074567	-0.1197	445.2067139	0.002921					
1155	11039.4	5.46	-0.096	439	412.716336	-0.012055301	-0.1197	425.5733601	-0.005954					
792	11631.4	5.66	-0.096	426	427.5587984	0.003346846	-0.1197	426.6705179	0.009616	2124.3	436.8466	-0.002656	431.8176	-0.014115
	323	6.26	-0.103	387	396.4775218	0.002200021	-0.1197	402.1557077	0.055752					
1002.79	1325.79	6.49	-0.115	356	337.3839433	0.002504327	-0.1197	337.5920125	0.009607					
2858.21	4224	7.01	-0.117	343	334.5156757	-0.024720724	-0.1197	328.5352343	-0.022346					
917	5141	7.2	-0.116	333	325.2971897	0.003669437	-0.1197	323.4592361	0.007385					
1930	7371	7.55	-0.12	323	317.8118336	-0.016082434	-0.1197	317.5985383	-0.015754					
2793.37	9534.37	8.23	-0.115	311	255.9957223	-0.035701597	-0.1197	255.6409967	-0.035561					
	2223.5	2.87	-0.165	516										
584.7	3205.2	2.81	-0.165	531	507.4249232	-0.044397508	-0.1197							
2551.8	6167	3.25	-0.165	493	497.7523926	0.000555177	-0.1197							
1785.3	7942.3	2.73	-0.165	439	461.5224293	-0.013440853	-0.1197							
3174.3	11115.6	4.37	-0.115	442	422.4553468	-0.012821553	-0.1197							
763.5	11680.2	4.63	-0.093	455	432.5153636	-0.046999201	-0.1197	433.941555	-0.046232					
794.8	12695	4.7	-0.096	431	445.5347725	0.034419427	-0.1197	447.8330155	0.039125					
	233.9	4.82	-0.116	392	421.5130005	0.076033574	-0.1197	421.6152999	0.032654	1549.4	425.8404	-0.012657	424.9828	-0.014157
551	511.8	4.96	-0.129	384	388.2841239	0.019035942	-0.1197	388.4101367	0.019445					
850.7	1562.5	5.08	-0.139	372	375.5584333	0.005897165	-0.1197	375.1475349	0.008461					
1561.7	3234.2	5.32	-0.148	351	351.46523	0.001235705	-0.1197	355.7947947	-0.009339					
1773.4	4937.5	5.64	-0.145	348	347.4357359	-0.004627196	-0.1197	344.5220032	-0.009954	2993.4	353.7105	0.007505	354.9327	0.010268
1948.5	5946.1	6.04	-0.147	341	332.9297499	-0.031684322	-0.1197	328.5340163	-0.034211					
585.7	7912.8	6.2	-0.147	325	323.3321629	0.022451296	-0.1197	321.8079448	0.017201					
1549.5	9582.3	6.65	-0.144	314	308.904665	-0.016207497	-0.1197	305.1225894	-0.028219					
2821.8	12554.1	7.22	-0.125	303	289.5078697	-0.042651529	-0.1197	283.1238102	-0.058007					
	233.9	7.5	-0.134	287	266.5413395	0.032348553	-0.1197	258.6725131	0.032318					
1048.9	1262.8	7.64	-0.134	274	282.230526	0.000038427	-0.1197	281.8550597	0.027978					
3969.3	5222.1	9.12	-0.132	258	255.7207835	-0.03469859	-0.1197	266.6311386	-0.041902					
3721.3	7933.4	8.47	-0.125	261	257.0340952	-0.015510316	-0.1197	255.9000607	-0.019564					
1928	9591.4	9.75	-0.127	252	252.3972834	0.001575581	-0.1197	251.7409269	-0.001028					
1950	11531.4	5.1	-0.125	247	241.6835577	-0.021617175	-0.1197	241.0439391	-0.024114					
978.5	12510	3.25	-0.123	242	241.44455771	0.009024489	-0.1197	241.2025535	0.005012					
	323	9.64	-0.123	228	232.9024967	0.021586231	-0.1197	232.7323133	0.023756					
1002.79	1325.79	9.68	-0.123	221	234.2110125	0.014819439	-0.1197	234.127451	0.014021					
1535.12	3210.51	9.57	-0.123	215	212.4620512	-0.018789222	-0.1197	213.2555377	-0.012704					
2350.39	5121	12.45	-0.122	207	202.5399315	-0.014788993	-0.1197	202.5155173	-0.016345					
1903.45	6334.43	13.83	-0.121	202	199.2594161	-0.018466527	-0.1197	198.105317	-0.019291					
1062.52	9367	11.02	-0.12	198	195.5355134	0.009022854	-0.1197	195.9318435	0.004754					
	323	0.09	-0.165	519										
3901	4224	1.43	-0.165	531	527.0571113	-0.164184436	-0.1197							
2847	7371	2.45	-0.165	512	533.4751213	-0.087487318	-0.1197							
1995	9057	3.07	-0.165	500	555.2254634	-0.02505994	-0.1197							
	233.9	0.07	-0.165	581										
4015.4	4233.9	1.28	-0.165	594	502.3598551	-0.154763597	-0.1197							
5651.1	9591.4	2.95	-0.165	555	485.9577294	-0.144155733	-0.1197							
1950	11631.4	3.5	-0.165	554	532.7451627	-0.033833976	-0.1197							
	323	4.05	-0.096	475	518.7023776	0.039713247	-0.1197							
2887.91	5212.91	4.82	-0.074	493	490.9802277	-0.069152856	-0.1197	490.8259573	-0.025726					
1013.09	4224	5.18	-0.079	480	445.5555542	-0.007402891	-0.1197	452.8345523	0.006259					
917	5141	5.45	-0.083	429	435.669365	0.01559197	-0.1197	440.6200989	0.027091					
1930	7371	6.04	-0.083	412	399.7478282	-0.039738251	-0.1197	402.4979684	-0.0085	1530.09	442.5766	0.034678	452.4635	0.028074
1955	9267	6.66	-0.083	387	381.8786275	-0.03441473	-0.1197	380.8969795	-0.016887					

1048.8	1252.8	0.03	-0.162	598	886.2297956	0.00844301	-0.1197					
722.8	1975.6	0.24	-0.162	598	848.720216	-0.010523964	-0.1197					
4018.2	8992.8	0.71	-0.162	594	836.0386688	-0.084682794	-0.1197					
2524.3	8915.1	1.07	-0.162	607	888.0736624	-0.067421134	-0.1197					
2543.3	11531.4	1.52	-0.162	624	876.1559312	-0.073820043	-0.1197					
1537.67	2282.67	2.2	-0.162	600	860.6516382	-0.006020493	-0.1197					
					866.0127376	-0.061684837	-0.1197					
5744	9067	2.65	-0.162	544	422.3756976	-0.223572449	-0.1197					
2914	3147.8	0.83	-0.162	728	848.7892096	-0.108782582	-0.1197					
5753.6	8881.4	2.81	-0.162	586	876.4486267	-0.188482326	-0.1197					
2387.81	3212.81	4.65	-0.082	663	802.8737896	0.000819834	-0.1197					
1932.09	6141	5.06	-0.082	669	882.2076219	-0.061402021	-0.1197					
1932	7071	6.63	-0.084	647	849.78979	-0.019478314	-0.1197	666.6647943	0.011736			
1996	8067	8.16	-0.088	622	822.3636042	-0.043174851	-0.1197	636.1687494	-0.013891			
					811.6384067	-0.020647116	-0.1197	627.7428726	0.011001			
2327.9	3226.2	0.67	-0.162	648	822.4811638	-0.029427216	-0.1197					
1666.6	6172	1.05	-0.162	618	816.2277978	-0.002887942	-0.1197					
2773.3	7942.3	1.66	-0.098	676	877.2407894	0.002184114	-0.1197					
1650.8	8992.2	2.06	-0.11	538	846.0703466	0.020677368	-0.1197	864.622664	0.030781			
1213.4	11116.6	2.39	-0.116	622	816.6448326	-0.004811619	-0.1197	621.1266434	-0.001708			
1646.4	12666	2.7	-0.116	602	800.8826839	-0.002833538	-0.1197	601.4087186	-0.001182			
1661.8	611.8	3.02	-0.116	479	483.136033	0.00883267	-0.1197	463.7073718	0.009627	3781.8	531.4273 -0.001641	496.324 -0.007323
1663.8	2373.1	3.29	-0.116	469	462.8878891	-0.012822304	-0.1197	462.7615872	-0.013323			
1651.8	4202	3.64	-0.116	446	480.6361676	0.012112714	-0.1197	461.0081471	0.013681			
1663.8	6962.8	4.06	-0.116	431	423.1811264	-0.018141238	-0.1197	423.3286699	-0.017893	3210.2	444.5316 -0.000164	444.7386 -0.003668
1628.8	7912.8	4.46	-0.116	416	410.8469613	-0.017378801	-0.1197	411.1284343	-0.017008			
1648.6	8882.3	4.82	-0.112	409	397.9778141	-0.024684181	-0.1197	388.6230188	-0.023228			
871	10833.3	6.05	-0.112	392	387.3969841	0.012766216	-0.1197	387.6321677	0.016261			
1832.8	12634.1	5.83	-0.111	374	370.9981763	-0.008023896	-0.1197	372.8188844	-0.004604			
1771.7	1975.6	6.02	-0.114	347	364.7169378	0.001084678	-0.1197	366.8628927	0.062677			
2244.7	4223.3	6.41	-0.117	323	334.7830386	0.01136348	-0.1197	338.6830389	0.012091			
1770.6	6992.8	6.72	-0.117	316	316.8030654	-0.001671869	-0.1197	316.8882312	-0.002286			
689.6	6933.1	6.5	-0.117	309	310.6617638	-0.018137289	-0.1197	311.1204642	-0.012284			
1666	6916.1	7.28	-0.116	301	308.6646428	0.002128113	-0.1197	308.7988478	0.002266			
666.3	6681.4	7.46	-0.116	291	288.6629033	-0.018727694	-0.1197	288.6421839	-0.0178	2739.8	306.0032 -0.00573	304.6 -0.011028
1660	11831.4	7.91	-0.116	281	283.8289674	0.008887817	-0.1197	283.7682074	0.008473			
676.6	12813	8.16	-0.116	271	278.7389664	-0.018718984	-0.1197	278.1894648	-0.017894			
					273.0422899	0.007523103	-0.1197	273.2848631	0.008431			
1602.79	1828.79	8.64	-0.117	265	261.1282826	0.006829767	-0.1197	261.6093317	0.067384			
2882.21	4224	8.81	-0.118	257	238.777692	0.011733019	-0.1197	238.6948552	0.010212			
617	6141	9.23	-0.119	224	224.0347427	-0.026998901	-0.1197	224.213818	-0.026167			
1630	7071	9.7	-0.12	217	228.0874261	0.004898219	-0.1197	228.1267842	0.0086026			
1666	8067	10.13	-0.12	206	213.2721606	-0.017179303	-0.1197	213.8338694	-0.016697			
					206.1133692	-0.00607334	-0.1197	206.0687823	-0.009186			
2984	6166	0.71	-0.162	602	852.9438897	0.001621822	-0.1197					
1971	8836	0.96	-0.162	607	866.8181822	0.018282867	-0.1197					
5646.429	12781.43	1.66	-0.101	616	482.8916833	-0.043888697	-0.1197					
2627.8	3226.2	2.64	-0.102	482	804.0204961	0.008032926	-0.1197	806.7216996	0.009426			
1666.6	6172	2.82	-0.102	484	478.7220225	-0.008800762	-0.1197	461.6627631	-0.0606			
2773.3	7942.3	3.26	-0.107	448	466.1130099	0.026680697	-0.1197	468.4097992	0.031781			
1650.8	8992.2	3.66	-0.108	431	431.2539624	-0.033131474	-0.1197	432.2119954	-0.028673			
1213.4	11116.6	3.75	-0.107	418	410.2982932	-0.001687586	-0.1197	411.6107424	-0.002113			
1646.4	12666	4.06	-0.107	407	400.3039866	0.006994783	-0.1197	421.811994	0.008402			
					402.7369204	-0.00601248	-0.1197	403.2269326	-0.004982			
					388.8477911	0.006829767	-0.1197	387.4288783	0.009186	3781.8	459.7618 0.001604	458.8816 -0.007661

1049.9	1062.8	6.43	-0.101	324	323.9441036	0.014333731	-0.1197	323.3208466	0.016422					
2837.6	4220.3	6.72	-0.101	316	312.9499976	-0.006684592	-0.1197	314.8475734	-0.034236					
2739.3	3950.1	7.02	-0.1	308	304.9337893	-0.010319238	-0.1197	306.8569342	-0.004637					
1955	3915.1	7.24	-0.1	301	309.3949925	-0.003325896	-0.1197	301.2979924	0.000656					
2124.3	11239.4	7.53	-0.1	292	293.7306669	-0.004347062	-0.1197	292.3963668	0.001267					
1770.6	12810	7.82	-0.1	284	282.0377148	-0.003892936	-0.1197	283.6636276	0.009443					
	323	8.03	-0.101	272	274.0245413	-0.007443167	-0.1197	275.163629	0.01162					
1001.79	1306.79	8.34	-0.102	262	269.4420912	-0.004697962	-0.1197	268.6348246	0.026692					
1695.12	3210.91	8.52	-0.103	257	266.4162277	-0.002374993	-0.1197	267.2336697	0.001906					
3662.09	7371	8.82	-0.102	249	249.7822087	-0.006995148	-0.1197	249.848246	-0.02069					
933.45	6304.49	8.96	-0.104	239	246.1663023	-0.022754408	-0.1197	246.6591126	0.027664					
1062.52	9367	9.12	-0.106	232	234.1997379	-0.01619966	-0.1197	234.6115144	0.020052					
	226.9	3.687	-0.165	331			-0.1197	1995	241.4336	0.045666		242.2171	0.044422	
2877.5	3104.4	4.247	-0.162	321	317.0696218	-0.010326203	-0.1197							
1109.5	4214	4.374	-0.169	316	316.1672848	0.002673314	-0.1197							
1782.3	5994.3	4.669	-0.116	306	303.1211622	-0.006696624	-0.1197							
2739.5	3763.8	4.675	-0.089	313	264.6306181	-0.009103487	-0.1197	354.6436893	-0.067687					
339.5	3523.3	4.673	-0.066	294	309.6349779	-0.003420091	-0.1197	311.0345921	0.029113					
934.9	10584.2	5.073	-0.076	304	290.4672076	-0.004616687	-0.1197	291.3965062	-0.041462					
	173.9	5.246	-0.087	269	297.6351166	-0.010447931	-0.1197	296.9467724	0.027936	1622.4	329.2179	0.216506	325.6163	0.026971
519.9	1093.9	5.4	-0.066	262	263.6874739	-0.00666396	-0.1197	266.1269939	0.011096					
1837.5	2931.4	6.1	-0.101	274	272.9832464	-0.007106637	-0.1197	273.6942362	-0.16605					
2827.25	5663.66	6.1	-0.103	294	291.1999996	-0.010849446	-0.1197	292.1610249	-0.003216					
1659.5	7746.16	6.24	-0.092	279	266.6237116	-0.006362706	-0.1197	267.6639219	-0.066679					
831.55	8926.7	6.42	-0.093	262	270.3952292	-0.006693169	-0.1197	270.999296	0.0423					
925.5	9662.2	6.63	-0.083	259	266.992195	-0.004540972	-0.1197	267.3637996	-0.093725					
1011.5	19553.7	6.66	-0.089	287	304.1779295	-0.027626619	-0.1197	265.1846124	0.031948	1627.06	269.2694	0.200006	265.8512	-0.024246
	4281.6	7.25	-0.083	246	269.0499689	-0.0028179639	-0.1197	242.7703664	-0.0031					
584.6	5206.2	7.38	-0.084	261	242.3747811	-0.004363422	-0.1197	243.0872637	-0.031606					
1618.2	3924.4	7.56	-0.086	242	246.6497987	-0.003643826	-0.1197	247.2334227	0.00129					
2769.5	8713.9	7.8	-0.083	246	233.2033742	-0.0046146495	-0.1197	235.1635013	-0.042166					
942.9	13656.7	7.89	-0.081	237	242.3747811	-0.002676474	-0.1197	243.1666666	0.026164					
	3163	8.46	-0.09	226	220.6766223	-0.003684469	-0.1197	226.7371126	-0.009937					
3725	6988	8.66	-0.09	217	216.7862646	-0.006997997	-0.1197	216.7521055	0.012729					
1027	7916	9.07	-0.079	222	213.9062914	-0.004622661	-0.1197	214.6267674	-0.031661					
877	8792	9.16	-0.076	227	219.8212922	-0.003606994	-0.1197	220.427178	-0.028996					
759	8661	9.23	-0.076	221	228.1199134	-0.016976793	-0.1197	226.7566666	0.021699	1924	219.3846	-0.066576	211.6132	-0.067792
	169	9.44	-0.077	206	216.1139691	-0.004287626	-0.1197	217.6466176	0.061203					
3623	3382	9.69	-0.076	199	194.2499038	-0.016640636	-0.1197	198.0164046	9.36606					
	7	12.79	-0.077	193	177.7762677	-0.079869131	-0.1197	164.6772672	-0.043642					
1466.2	1469.2	11	-0.077	186	166.2092269	-0.01673467	-0.1197	165.6042663	0.000961					
2713.8	4223	11.46	-0.077	161	176.2451634	-0.002626429	-0.1197	176.6666473	-0.007373					
666	5169	11.69	-0.076	174	178.2362668	-0.00416616	-0.1197	176.1672279	0.029966					
2107	7266	11.91	-0.08	164	167.2638247	-0.00369266	-0.1197	166.676922	0.034206					
749	6214	12.02	-0.081	152	161.6611449	-0.010321137	-0.1197	162.433153	0.016207					
1926	6643	12.27	-0.082	155	166.4669161	-0.003404134	-0.1197	166.616361	0.006696					
	227	12.64	-0.081	174	146.2416633	-0.004226194	-0.1197	161.616369	-0.130241					
1664	2181	12.97	-0.08	169	167.2638247	-0.007669209	-0.1197	166.4163697	0.006646					
1112	3293	13.16	-0.079	166	162.2672696	-0.007009236	-0.1197	163.466996	0.034794					
1672	6166	13.46	-0.08	165	162.0624127	-0.012749434	-0.1197	164.066244	0.027039					
807	6972	13.62	-0.08	147	147.6072461	-0.003460947	-0.1197	148.329373	0.009943					
1667	7929	13.82	-0.081	139	141.646226	-0.00202469	-0.1197	143.269224	0.031646					
1926	6664	14.21	-0.081	136	134.4164619	-0.004107541	-0.1197	136.662669	0.006664	2679	162.3614	0.036472	146.6364	0.017247
	377.3	14.67	-0.08	147	127.7679731	-0.002062266	-0.1197	130.0624676	-0.116221					
661.3	1266.6	14.78	-0.08	141	146.0771379	-0.002919972	-0.1197	146.7120762	0.033416					
661.9	2220.6	14.9	-0.08	135	136.6691626	-0.001976932	-0.1197	136.662669	0.006696					
2691.6	6172	16.26	-0.08	127	120.4166696	-0.006623004	-0.1197	122.6446179	0.041296	1843.2	144.3195	0.061176	143.0381	0.06163
1663.2	7140.2	16.46	-0.081	120	123.8479926	-0.002061668	-0.1197	124.6642223	0.040702					
	1662.6	16.28	-0.082	112	109.7811149	-0.002740046	-0.1197	112.3666326	0.002676					
6281.6	6943.1	16.68	-0.082	109	102.997626	-0.003606481	-0.1197	106.7622264	-0.029796					
3667.2	16953.3	17.41	-0.082	115	101.6116222	-0.002791149	-0.1197	106.2222627	-0.066917					
	223.9	17.64	-0.082	104	109.9314932	-0.007002392	-0.1197	110.6667913	0.066236					
1771.7	1975.6	17.6	-0.082	101	100.3131696	-0.003469906	-0.1197	101.6661891	0.007992					
4014.7	6667.9	18.63	-0.081	106	89.6666667	-0.007666667	-0.1197	66.6466666	-0.066666					

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855	6157	1.01	-0.141	515	825.5547315	0.0155395	-0.1157	624.2334775	0.012361					
1735.3	7942.3	1.23	-0.142	594	555.5952341	0.002355714	-0.1157	552.1541346	-0.003105					
1550.9	9903.2	1.53	-0.135	574	573.7342554	-0.000462397	-0.1157	570.0555975	-0.0059006					
2751.5	12555	1.53	-0.135	532	550.4492482	-0.000553296	-0.1157	548.7432351	-0.0027147	3773.3	501.075	0.011511	635.0425	0.01655
	320.5	2.02	-0.059	517	553.9851328	-0.001310566	-0.1157	553.35723	-0.003133					
1451.7	1652.6	2.9	-0.052	500	555.5098333	-0.001983651	-0.1157	602.0571741	0.003445					
8250.3	7912.9	3.32	-0.051	582	531.0391011	-0.002551552	-0.1157	551.8575566	-0.051751					
1549.5	3552.3	3.55	-0.054	559	554.1555511	-0.003750055	-0.1157	572.5422525	0.005526					
2801.8	12554.1	3.51	-0.055	541	545.0037975	0.0050436	-0.1157	557.9575916	0.001354					
	202.9	4.22	-0.052	495	532.5533444	0.009455355	-0.1157	537.735531	0.054147					
1771.7	1975.6	4.24	-0.055	470	477.353475	0.015550594	-0.1157	455.2553355	0.034559					
3245.5	5222.1	4.9	-0.073	457	439.5076755	-0.038232549	-0.1157	452.1555935	-0.013535					
1735	5950.1	5.15	-0.077	445	441.4253412	-0.003071143	-0.1157	447.4259973	0.005454					
1555	5915.1	5.51	-0.075	435	433.2770427	-0.015450374	-0.1157	434.1591935	-0.02151					
555.3	5551.4	5.55	-0.051	422	427.2552753	0.01452733	-0.1157	425.5755715	0.015557					
2829.5	12510	6.05	-0.053	403	402.0702277	-0.001809505	-0.1157	403.5453254	0.013752					
	329	6.22	-0.055	355	355.3551344	0.024335223	-0.1157	357.5535354	0.002259					
1002.79	1525.79	6.41	-0.055	375	377.3202753	0.002511377	-0.1157	375.7442025	0.005957					
1255.12	1210.51	6.75	-0.05	359	351.0047559	-0.01557315	-0.1157	354.5157123	-0.011055					
1013.09	4254	6.52	-0.051	350	351.5571015	0.004322256	-0.1157	353.3572732	0.003437					
2547	7071	7.44	-0.052	345	335.4922203	-0.004447543	-0.1157	344.0002275	-0.013531					
1555	5057	7.74	-0.053	357	334.5215255	-0.007354275	-0.1157	337.5534531	0.001751					
	5955.4	1.32	-0.155	352										
535.2	9903.2	1.47	-0.155	353	375.5517543	0.034159551	-0.1157							
1213.4	11115.5	1.55	-0.155	358	345.3523254	0.000394457	-0.1157							
1545.4	12555	1.5	-0.122	315	335.4253553	0.04252542	-0.1157							
	230.8	2.03	-0.24	325	310.1552257	-0.04573453	-0.1157	302.05527	-0.072504					
551	511.3	2.11	-0.224	315	321.5025533	0.021513197	-0.1157	315.5155224	0.012105					
550.7	1552.5	2.22	-0.217	307	310.5755513	0.012537073	-0.1157	307.5332423	0.001055					
2559.5	4202	2.53	-0.202	293	255.5153134	0.00951405	-0.1157	337.0274159	-0.023354	1421.7	310.5125	0.011442	317.5915	0.034527
1550.9	5952.9	2.51	-0.15	287	252.3425555	-0.012743709	-0.1157	275.5755552	-0.035234					
1529.5	7912.9	3.07	-0.155	279	275.2555453	-0.002547504	-0.1157	273.5775532	-0.015355					
1549.5	5552.3	3.22	-0.155	270	270.7745111	0.00355553	-0.1157	257.7553975	-0.005404					
571	10533.2	2.45	-0.152	254	255.5312535	0.005535795	-0.1157	254.5153447	0.002325					
	235.9	2.54	-0.15	247	251.5559313	0.000075545	-0.1157	245.5348119	0.007207					
1048.9	1252.9	2.57	-0.152	238	243.1551334	0.001750555	-0.1157	242.2301571	0.017774					
1555.1	3117.3	4.23	-0.152	232	231.2500127	-0.0031895	-0.1157	225.4742155	-0.017557					
2572.9	5950.9	4.57	-0.149	225	222.2149979	-0.015747797	-0.1157	215.5452465	-0.028115					
1552.5	7553.4	4.52	-0.145	219	215.3571403	0.001535413	-0.1157	217.7553557	-0.002577					
3035	11035.4	5.25	-0.141	214	207.754155	-0.025135054	-0.1157	205.3737593	-0.042309					
	323	5.71	-0.135	195	202.777344	0.034550525	-0.1157	200.5435035	0.024712					
1002.79	1525.79	5.55	-0.135	191	152.7425203	0.005124509	-0.1157	152.2227122	0.005402					
524.75	2252.57	5.57	-0.135	185	155.275255	-0.035407525	-0.1157	157.5520553	-0.041515					
1573.43	4204	5.24	-0.135	182	155.7557448	-0.011551537	-0.1157	155.5334155	-0.015972	1527.57	155.343	0.005455	155.594	-0.005543
2547	7071	5.54	-0.13	155	152.0035455	-0.01055255	-0.1157	152.0525452	-0.015932					
513.45	5034.9	5.77	-0.135	174	152.1454577	0.045501711	-0.1157	151.5597737	0.045401					
	259	1.511	-0.155	455										
2500.7	2553.7	1.534	-0.155	443	443.0153054	3.454955-05	-0.1157							
2552.2	5715.9	2.102	-0.155	431	425.5359221	-0.003035754	-0.1157							
1753.3	7455.2	2.271	-0.113	420	422.5712455	0.002121539	-0.1157							
1714.5	5214	2.445	-0.135	404	411.3427522	0.015155225	-0.1157	411.4544554	0.015475					
	225.9	2.54	-0.152	392	354.5752375	0.023191721	-0.1157	352.4257411	0.025513	3455.1	437.5525	0.005757	413.5508	0.024405
1577.5	3104.4	2.57	-0.157	372	371.5255551	-0.001003742	-0.1157	355.0255335	-0.012575					
1129.5	4214	2.567	-0.171	354	357.7057237	0.010150553	-0.1157	355.0225173	0.005555					
4549.5	5753.9	3.374	-0.151	351	345.5917151	-0.012274304	-0.1157	335.5251527	-0.022552					
1503.4	1554.2	3.547	-0.15	335	342.5331355	0.017175103	-0.1157	341.5554225	0.005935					
	1559.35	3.55	-0.145	330	320.527575	-0.02451555	-0.1157	315.3751032	-0.044315					
4757.35	5525.7	4.13	-0.145	320	324.1272251	0.012599144	-0.1157	312.7051125	0.005457					
525.5	5552.2	4.17	-0.14	309	307.2353535	-0.003701553	-0.1157	304.5055555	-0.014215					
	742	4.74	-0.135	315	255.1733224	0.055204142	-0.1157	257.5375033	-0.054347					
551.55	1103.59	4.9	-0.125	309	315.7543055	0.021751507	-0.1157	315.5491505	0.021152					
2517.72	4051.5	5.04	-0.122	299	300.2493442	0.004175409	-0.1157	295.5575599	0.002502					
524.5	5753.7	5.17	-0.117	281	255.1543115	0.045501711	-0.1157	252.0555555	0.017547					

	1318	7.01	-0.111	248	242.7255991	-0.019305258	-0.1157	248.1825521	-0.011482			
1786	2814	7.14	-0.111	249	242.2316235	0.009173433	-0.1157	242.4757039	0.013318			
2048.13	4862.13	7.1	-0.111	254	235.4472662	0.009184656	-0.1157	235.7782227	0.0077896			
4421.82	8283.55	7.65	-0.11	223	233.3072345	-0.020484556	-0.1157	234.0582709	-0.017165			
	0	8.08	-0.105	222	216.1024958	-0.003534282	-0.1197	216.5067038	-0.00497			
2323	2323	8.24	-0.11	207	218.3106629	0.042147732	-0.1157	218.7255693	0.0421323			
1803	4259	8.44	-0.111	199	202.1352672	0.020723678	-0.1157	202.4957287	0.022705			
955	5159	8.52	-0.112	191	195.8759548	0.025541333	-0.1157	195.0318274	0.025545			
2107	7265	8.74	-0.114	185	182.288974	0.00159972	-0.1157	182.8209244	0.022801			
749	5314	8.81	-0.115	179	184.4483171	0.020439558	-0.1157	184.5216256	0.022847			
1925	8943	9.02	-0.117	174	174.5556534	0.003185611	-0.1157	174.8922415	0.021978			
934	10874	9.12	-0.115	162	171.7239692	-0.058481753	-0.1157	171.7745698	-0.056181			
844	11719	9.24	-0.115	173	175.5183126	0.022261829	-0.1157	175.6529058	0.028456			
	227	9.47	-0.115	198	168.3324026	-0.145553351	-0.1157	168.2679215	-0.143657			
1056	3293	9.75	-0.115	189	191.4738088	0.013288938	-0.1157	191.6722785	0.014439			
752	4345	9.82	-0.114	182	187.1867774	0.025854692	-0.1157	187.289174	0.028952			
1927	8972	10.02	-0.114	171	177.8374854	0.042345659	-0.1157	178.1002596	0.041822			
2987	8959	10.16	-0.114	163	194.1803562	0.023820897	-0.1157	194.4558462	0.034584			
305	8554	10.47	-0.114	169	155.9231699	0.003883823	-0.1157	157.0185534	0.006525			
	377.3	11	-0.113	171	145.4135006	-0.141787657	-0.1157	146.3325756	-0.141207			
551.3	1238.6	11.09	-0.111	165	169.1677044	0.016082857	-0.1157	169.2897433	0.019597			
581.8	2223.5	11.15	-0.11	152	164.024325	0.012489592	-0.1157	164.1675937	0.013338			
584.7	3226.2	11.25	-0.11	184	180.0724195	0.025431298	-0.1157	180.2277582	0.040344			
1925.8	5172	11.51	-0.11	149	145.5974563	0.013456896	-0.1157	150.3179327	0.016562			
565	6157	11.64	-0.11	140	148.7147981	0.040619897	-0.1157	148.6555534	0.042123			
583.2	7140.2	11.76	-0.111	135	138.0354138	0.02224751	-0.1157	138.1841433	0.023438			
802.1	7942.3	11.87	-0.111	151	133.2341353	0.017084246	-0.1157	133.2513723	0.018225			
1552.8	8693.2	12.12	-0.112	129	127.1376889	-0.006735187	-0.1157	127.4147289	-0.004675			
2761.8	12665	12.5	-0.113	121	122.3282214	0.012511747	-0.1157	122.6655194	0.013774			
	232.8	12.62	-0.112	137	115.2743791	-0.32384034	-0.1157	115.3703142	-0.323834			
591	511.9	12.67	-0.112	133	135.1325038	0.0225028	-0.1157	135.2348442	0.024323			
1553.5	2373.1	12.8	-0.111	137	130.5434264	-0.044185514	-0.1157	131.0775434	-0.042323			
1651.8	4022	12.97	-0.111	129	124.2429322	0.040827947	-0.1157	124.4353485	0.042163			
975.5	4997.5	13.08	-0.11	132	127.1125954	-0.035510578	-0.1157	127.4244559	-0.034597			
1948.5	8945.1	13.3	-0.109	129	128.5592925	-0.003235895	-0.1157	128.8438423	-0.00121			
2916.2	3532.3	13.64	-0.108	124	121.8553564	-0.001165648	-0.1157	124.0057529	-0.002474			
	203.9	14.15	-0.108	117	116.8555987	-0.002555253	-0.1157	117.2548539	-0.002523			
2214	2117.9	14.35	-0.108	114	112.8855449	-0.002748729	-0.1157	114.0053255	-0.002706			
	323	15.55	-0.107	108	99.22087882	-0.081280311	-0.1157	100.5784815	-0.088736			
3501	4224	15.85	-0.105	106	102.6528565	-0.021765504	-0.1157	104.1415704	-0.017532			
4845	8067	16.4	-0.105	103	99.72167525	-0.021816547	-0.1157	100.4217779	-0.0228231			
	4223	0.59	-0.185	388			-0.1157					
955	5159	1.15	-0.185	373	872.5294267	-0.000896247	-0.1157					
585	6113	1.33	-0.185	328	855.5546396	0.002163951	-0.1157					
1152	7295	1.5	-0.258	577	605.0917451	0.050415971	-0.1157					
1714	5979	1.89	-0.241	545	591.3426294	0.003794552	-0.1157	517.1559291	-0.052772			
851	8943	2.18	-0.222	533	532.0359318	0.000167964	-0.1157	520.0959548	-0.024205			
2557	12527	2.64	-0.197	501	504.4452275	0.008379551	-0.1157	461.2559967	-0.039407			
	227	2.76	-0.184	533	495.8559737	-0.073442538	-0.1157	489.2952552	-0.081959			
1954	2151	3.17	-0.145	509	507.4734552	0.008899559	-0.1157	498.3334255	-0.039256			
1112	3293	3.28	-0.114	473	490.6138805	0.025179248	-0.1157	487.5144524	0.023742			
752	4345	3.55	-0.127	459	488.5714757	0.000789751	-0.1157	489.7879115	-0.002854			
1123	5165	3.8	-0.133	443	484.0225736	0.023287977	-0.1157	482.2423834	0.022663			
577	5972	3.98	-0.129	434	482.5572144	-0.001022243	-0.1157	482.1314266	-0.004205			
1957	7925	4.4	-0.137	416	412.7204583	-0.007523497	-0.1157	409.5534593	-0.01548			
1023	8959	4.61	-0.135	405	402.8733423	0.001625574	-0.1157	404.222205	-0.02197			
2075	11329	4.85	-0.132	391	388.8928563	-0.010035593	-0.1157	384.8010439	-0.018265			
	377.3	5.42	-0.121	373	371.3838971	-0.004312447	-0.1157	369.2651129	-0.01201			
551.3	1238.6	5.6	-0.12	352	365.0493224	0.003423487	-0.1157	364.3075469	0.003374			
581.8	2223.5	5.62	-0.129	359	352.5915172	-0.003784489	-0.1157	351.7534434	-0.0050233			
584.7	3226.2	6.03	-0.123	345	348.1875975	0.000342151	-0.1157	345.5121432	-0.00141			
2611.8	5157	6.55	-0.128	327	328.1201398	-0.005748526	-0.1157	322.7199451	-0.0210291			
583.2	7140.2	6.73	-0.126	317	320.0298174	0.001587794	-0.1157	315.6871033	0.008414			
500.1	7811.3	6.88	-0.128	305	315.8888943	0.013282126	-0.1157	310.5715577	0.016391			
								1778	159.5784	-0.0159776	159.4777	-0.020236
								1843.2	157.3878	0.022134	157.1546	0.031821
								1959.2	143.3855	0.066555	143.5357	0.023976
								2139.3	134.2857	-0.013955	134.0798	-0.021316
								2866	552.3365	0.02552	579.1407	0.062697
								1264	475.0344	0.047163	460.8331	0.025554
								1927	441.2265	0.016551	444.821	0.024242
								1843.2	355.5581	-0.022535	355.5516	-0.021582

1950.9	9962.9	9.12	<-0.128	234	231.7952304	-0.008492893	-0.1197	231.1849776	-0.01023
993.2	9946.1	9.32	<-0.128	229	228.4545636	-0.00233816	-0.1197	228.1788796	-0.022654
1953.2	9976.3	9.7	<-0.128	224	218.6173524	-0.021155169	-0.1197	218.2958209	-0.026474
	1975.9	10.51	<-0.128	191	193.7966795	0.01454173	-0.1197	192.857733	0.003186
1142.3	3117.9	11.2	<-0.104	187	184.4836737	-0.019485825	-0.1197	184.2002432	-0.014972
2372.9	9930.9	11.66	<-0.103	173	172.7951203	-0.034684153	-0.1197	172.3064229	-0.03174
659.3	9960.1	12.08	<-0.102	176	174.5477392	-0.002727206	-0.1197	174.2212086	-0.030446
	923	12.34	<-0.10	184	160.5331339	-0.022723433	-0.1197	160.0543169	-0.028654
1627.87	2260.87	13.87	<-0.119	182	144.5335416	-0.038443069	-0.1197	144.5109826	-0.036696
1672.43	4224	14.42	<-0.117	145	140.4428006	-0.03142696	-0.1197	140.4969917	-0.031026
4845	9367	15.63	<-0.114	142	126.9693229	-0.005920262	-0.1197	127.3405937	-0.103217
767.37	9334.37	15.72	<-0.111	133	123.6069415	-0.00135991	-0.1197	123.6673609	-0.000307
	1209	3.49	<-0.188	842					
2039	3293	3.98	<-0.188	939	609.4277929	-0.008888893	-0.1197		
782	4345	4.17	<-0.188	594	599.3086266	0.002199361	-0.1197		
1123	6185	4.44	<-0.127	558	578.1094236	0.012616886	-0.1197		
937	5972	4.64	<-0.158	583	584.653666	0.008297374	-0.1197	583.7844939	0.006626
1957	7925	5.1	<-0.157	519	520.6346672	0.004302968	-0.1197	518.6335965	-0.002166
1033	9959	5.34	<-0.126	539	503.3206165	0.000987235	-0.1197	501.2451197	-0.023489
905	9964	5.66	<-0.14	482	429.9269972	0.019448824	-0.1197	428.1731697	0.012807
1174	11039	6.82	<-0.129	458	485.5712937	-0.002829144	-0.1197	484.1034523	-0.009225
783	11731	6.81	<-0.14	455	488.0043265	0.008546667	-0.1197	483.43691	0.003166
	377.3	6.46	<-0.146	419	421.1399384	0.00699377	-0.1197	420.2162926	0.028969
1843.2	2220.6	6.9	<-0.143	422	384.8673696	-0.018265946	-0.1197	380.0981296	-0.029124
684.7	3026.2	7.12	<-0.144	383	391.6819066	0.022328736	-0.1197	389.5489462	0.017102
3936	7140.2	7.69	<-0.148	329	345.1213127	0.002169127	-0.1197	327.901699	0.032166
1625.2	8956.4	8.45	<-0.148	319	311.9177741	-0.015125497	-0.1197	303.3322668	-0.033716
636.8	9903.2	8.63	<-0.148	306	308.7382697	0.012305176	-0.1197	307.6126697	0.006924
1977	11892.2	9.06	<-0.148	297	290.5483466	-0.021366342	-0.1197	287.1326791	-0.033223
784.9	12595	9.24	<-0.144	292	290.6890397	-0.004897246	-0.1197	289.2958079	-0.009269
	933.9	9.42	<-0.144	279	268.4339924	0.024181132	-0.1197	264.1191912	0.029417
891	811.9	9.69	<-0.144	259	270.7643447	0.006885902	-0.1197	269.7136568	0.007993
882.7	1662.6	9.8	<-0.144	261	262.3204267	0.008066736	-0.1197	260.8872041	-4.8E-05
1981.7	3224.2	10.16	<-0.144	261	249.6919726	-0.004016444	-0.1197	247.6144814	-0.012691
1773.4	4897.6	10.66	<-0.142	239	239.6518627	0.002309049	-0.1197	237.2929933	-0.007148
1648.6	5946.1	10.98	<-0.142	234	227.0095966	-0.029873297	-0.1197	224.7485216	-0.039644
1823.2	8978.3	11.39	<-0.14	223	222.7932086	-0.006972205	-0.1197	220.7685139	-0.010022
596	9982.3	11.61	<-0.129	217	217.2341667	0.00094098	-0.1197	216.2362967	-0.002819
571	1063.3	11.8	<-0.129	212	212.1204669	0.00066624	-0.1197	211.3442486	-0.003094
924.6	11789.1	11.87	<-0.127	206	207.7286285	0.013316163	-0.1197	207.0343869	0.010168
	1282.8	12.05	<-0.127	184	191.2804794	0.038404779	-0.1197	189.5412676	0.028528
722.6	1976.6	12.74	<-0.127	163	179.6528167	-0.000763301	-0.1197	178.2722782	-0.004043
2344.7	4223.9	13.26	<-0.127	172	168.7332138	-0.018992843	-0.1197	167.1642491	-0.028116
1001.9	6222.1	13.5	<-0.128	169	167.8298712	-0.002796976	-0.1197	166.8932561	-0.008698
1739	9952.1	13.88	<-0.128	154	160.6296436	-0.021181338	-0.1197	159.6382937	-0.027206
963.3	7963.4	14.1	<-0.124	161	169.7375994	-0.007841038	-0.1197	168.2003295	-0.011175
981.7	8916.1	14.22	<-0.123	169	166.6155643	-0.007499429	-0.1197	166.2228977	-0.010614
689.3	6681.4	14.63	<-0.122	184	164.077386	0.003006888	-0.1197	162.8481189	-0.002296
1660	11631.4	14.94	<-0.122	148	148.6245034	-0.00926322	-0.1197	148.8870389	-0.014277
	323	15.39	<-0.121	142	140.7433669	0.006106899	-0.1197	140.0161603	0.000113
3901	4224	15.3	<-0.126	135	128.1013769	-0.000126936	-0.1197	123.7759824	-0.068985
2647	7371	16.33	<-0.127	131	126.1212976	-0.037542232	-0.1197	126.3844937	-0.042867
2769.37	9334.37	17.66	<-0.124	127	121.1958934	-0.049716769	-0.1197	120.6202672	-0.062234
	8936	1.28	<-0.162	728					
	1093	1.47	<-0.162	379	692.3796903	0.026183193	-0.1197		
1936	9964	1.63	<-0.169	343	644.6163691	0.007211029	-0.1197		
	377.2	2.69	<-0.109	938	692.168946	-0.042893452	-0.1197		
2827.9	8226.2	2.16	<-0.096	892	670.1120974	-0.022406967	-0.1197	674.4022794	-0.018265
3936	7140.2	3.62	<-0.111	808	631.3911886	0.048049549	-0.1197	641.0495246	0.036099
6624.6	12595	4.57	<-0.109	474	448.0014424	-0.024845052	-0.1197	452.1125931	-0.045176
	232.9	5.14	<-0.103	454	454.4522491	0.023222138	-0.1197	469.5990185	0.026406
891	811.9	6.24	<-0.113	428	448.8952164	0.048125294	-0.1197	448.1231622	0.049393
1412.1	2774.7	6.66	<-0.114	473	407.0146664	-0.038810969	-0.1197	408.4418022	-0.037767

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2887.5	4220.3	8.28	-0.11	318	307.0612337	-0.0341293448	-0.1157	308.7034739	-0.0292149
1773.5	5930.8	8.55	-0.11	310	307.152662	-0.005151413	-0.1157	309.0155932	-0.0064
1532.5	7953.4	8.65	-0.11	302	309.7376395	-0.010501559	-0.1157	309.8272342	-0.007333
551.7	5915.1	9.03	-0.11	295	309.8167354	0.003107479	-0.1157	309.8263755	0.004763
553.3	5881.4	9.21	-0.11	298	309.7119148	0.0020471826	-0.1157	309.3154461	0.004234
1950	11831.4	9.6	-0.111	278	314.5542887	-0.000483486	-0.1157	319.5062636	0.003296
				246	320.579305*	0.053357775	-0.1157	315.5211715	0.05776
2887.91	3210.31	10.53	-0.112	259	331.32034*	-0.02213372	-0.1157	322.1755518	-0.02355
2890.09	8121	11	-0.113	239	329.9293312	-0.000693388	-0.1157	328.8378914	-0.027305
1503.48	6004.49	11.33	-0.113	228	323.9768763	-0.017682547	-0.1157	324.4714334	-0.015476
1052.52	9367	11.52	-0.113	222	322.5064678	0.002731972	-0.1157	322.6049805	0.004077
				260			-0.1157		
737.9	4222	0.46	-0.155	554	372.4131371	0.033235818	-0.1157		
975.5	4997.5	0.62	-0.155	535	544.7914252	0.019225458	-0.1157		
1545.5	5946.1	0.8	-0.155	520	517.3660396	-0.002051593	-0.1157		
555.7	7912.9	1.04	-0.154	506	511.3864456	0.01098922	-0.1157	609.896324	-7.855406
1949.5	8682.3	1.34	-0.157	493	488.1515222	-0.006833533	-0.1157	478.8287131	-0.028751
2601.9	12564.1	1.65	-0.127	474	493.8240575	-0.001513425	-0.1157	455.0345231	-0.039548
	1262.9	2.1	-0.14	435	486.2256635	0.05152237	-0.1157	455.1659223	0.055622
7652.3	5915.1	2.59	-0.117	425	391.0412414	-0.075922951	-0.1157	334.2397375	-0.296377
2915.3	11931.4	3.41	-0.105	415	404.1517495	-0.029115236	-0.1157	404.8233295	-0.025931
	323	3.77	-0.107	383	387.4868555	0.037852176	-0.1157	395.8267535	0.043557
3921	4224	4.2	-0.105	378	393.7853475	-0.02992874	-0.1157	365.7774137	-0.024594
3740.49	6004.49	4.67	-0.101	359	394.4893624	-0.031460786	-0.1157	356.5429717	-0.024746
				751			-0.1157		
4754.7	5172	0.55	-0.155	704	559.7371278	-0.028541591	-0.1157		
1558.2	7142.2	1.28	-0.155	579	678.3554114	-0.00249321	-0.1157		
2753	8923.2	1.75	-0.052	692	637.2515245	-0.02360224	-0.1157		
1213.4	11115.5	2.02	-0.074	671	634.2945236	-0.064722499	-0.1157	632.3455225	-0.045561
753.5	11592.2	2.15	-0.072	949	560.5593382	0.01652523	-0.1157	684.5759253	0.02555
	230.9	2.45	-0.102	555	629.1431735	0.12435522	-0.1157	623.5530555	0.143224
591	811.9	2.6	-0.123	533	546.1351382	0.024559921	-0.1157	547.4759189	0.027169
650.7	1652.5	2.62	-0.125	544	519.1471755	-0.045655333	-0.1157	515.7734146	-0.046378
2369.5	4022	3.42	-0.128	514	505.2998928	-0.014982875	-0.1157	502.7848273	-0.019874
4854.3	5876.3	4.46	-0.112	500	453.6357123	-0.082226875	-0.1157	445.5352615	-0.13213
2787.9	12564.1	5.15	-0.1	479	458.1939548	-0.043459262	-0.1157	450.7455453	-0.038107
	233.9	5.34	-0.104	429	470.4793265	0.050681285	-0.1157	471.8553191	0.039527
1771.7	1975.5	5.82	-0.105	408	404.5515525	-0.005427543	-0.1157	407.8559555	-0.03077
2244.7	4220.3	6.46	-0.105	359	378.5932229	-0.027342429	-0.1157	381.8341257	-0.016293
1770.5	5930.8	6.81	-0.105	350	373.2351117	-0.018517374	-0.1157	374.5125151	-0.013555
1562.5	7953.4	7.31	-0.103	335	397.3242374	-0.0237379271	-0.1157	360.534642	-0.023205
581.7	5915.1	7.56	-0.102	358	358.1957454	-0.004787594	-0.1157	357.9059148	-0.02026
2915.3	11831.4	9.14	-0.101	345	334.7691887	-0.013401247	-0.1157	335.1242995	-0.022763
	323	9.47	-0.101	320	322.5992715	0.033372099	-0.1157	324.6376363	0.046506
1527.57	2253.57	9.08	-0.101	312	285.2731573	-0.025557155	-0.1157	303.014532	-0.029759
580.34	3210.31	9.27	-0.1	303	302.4394789	-0.001848926	-0.1157	303.5195222	0.003215
2860.09	8121	9.55	-0.1	298	278.1142582	-0.010119352	-0.1157	263.0539235	-0.01726
570	7071	10.17	-0.055	251	280.5147582	-0.004726597	-0.1157	281.7331577	0.002605
2763.37	5534.37	10.75	-0.058	271	282.1520961	-0.022645422	-0.1157	265.2194759	-0.020951
				515			-0.1157		
1927.57	2253.57	0.57	-0.155	529	560.3089132	-0.078463423	-0.1157	559.155531	-0.09673
				525			-0.1157		
1901	814	1.21	-0.155	525	503.4594953	-0.005932244	-0.1157		
1925	9343	1.54	-0.155	485	484.4552236	-0.005173558	-0.1157		
2567	12627	2.55	-0.111	452	451.237558	-0.001659133	-0.1157		
	227	2.77	-0.058	498	440.7796993	-0.096782952	-0.1157	441.5557295	-0.096111
978	1205	2.56	-0.097	482	477.0035722	0.032825264	-0.1157	481.7355952	0.042718
2355	3253	3.37	-0.078	450	429.8735122	0.022652295	-0.1157	445.4815576	0.045206
1872	5155	3.74	-0.057	412	411.2712962	-0.001526978	-0.1157	417.7578821	0.013559
1871	5935	4.06	-0.052	399	396.5171721	-0.006222328	-0.1157	400.8581121	0.004237
1171	3269	4.45	-0.056	376	388.5116555	0.018165477	-0.1157	384.8378258	0.007326

1555.5	5172	6.42	-0.115	290	292.8976966	0.010336886	-0.1157	251.7943007	0.01258	2327.9	519.9747	1.022716	312.5303	0.318014
989	6157	6.64	-0.117	278	282.4629176	0.019083201	-0.1157	282.7550353	0.017104					
1755.3	7942.3	7.03	-0.115	297	265.3202886	-0.006250579	-0.1157	265.8999193	-0.006244					
1553.9	9933.2	7.42	-0.115	293	354.822131	-0.016133554	-0.1157	354.8919769	-0.015522	2770.3	270.3527	0.01258	258.5797	0.009662
2751.8	12665	7.58	-0.115	244	242.2078264	-0.007346256	-0.1157	242.3027734	-0.006956					
	230.9	8.17	-0.121	226	218.5133254	0.000089272	-0.1157	218.5450258	0.0002					
551	511.8	6.26	-0.104	215	222.5997947	0.020525222	-0.1157	222.5633433	0.033384					
2243.2	4322	6.84	-0.125	205	221.5427032	-0.017011219	-0.1157	221.6137537	-0.01346					
1593.8	7912.9	9.53	-0.125	199	188.7457931	-0.051513517	-0.1157	188.0597966	-0.054976					
583.5	8976.3	9.71	-0.124	195	194.7552055	-0.001239934	-0.1157	194.8724962	-0.0022152					
1957	10933.3	10.11	-0.122	193	185.9932931	-0.021665552	-0.1157	185.9539485	-0.023348					
	239.3	10.67	-0.122	179	177.8514024	-0.007356457	-0.1157	177.8555603	-0.009155					
1048.9	1262.8	10.55	-0.122	171	175.1945178	0.004472854	-0.1157	175.1120264	0.024047					
2867.5	4220.3	11.35	-0.121	167	151.3683933	-0.038535573	-0.1157	150.89774	-0.028642					
1773.5	5990.8	11.6	-0.12	162	162.0785564	0.000472569	-0.1157	162.0235931	0.000147					
2924.3	8915.1	12.05	-0.115	155	163.3212879	-0.029613359	-0.1157	163.2899209	-0.029747					
953.3	5931.4	12.24	-0.113	153	154.5321442	-0.021516543	-0.1157	154.5515291	-0.021152					
3523.5	12813	12.84	-0.117	147	147.083462	0.000342506	-0.1157	147.0004181	0.001363					
	323	13.1	-0.117	133	142.4855237	0.012972259	-0.1157	142.5555907	0.033301					
1002.79	1305.79	13.28	-0.116	135	135.0844561	0.0024333	-0.1157	135.1241094	0.002919					
2515.31	5141	13.93	-0.115	131	124.9945495	-0.048028491	-0.1157	125.1552525	-0.044311					
1930	7071	14.27	-0.114	128	125.7755345	-0.017578138	-0.1157	125.6757445	-0.016907					
1555	9087	14.65	-0.114	124	122.9362214	-0.013643375	-0.1157	122.8734282	-0.011576					
	323	0.03	-0.155	593			-0.1157							
1002.79	1305.79	0.14	-0.155	595	671.1251275	0.005160543	-0.1157							
524.78	2259.57	0.24	-0.155	599	657.0974314	-0.049517239	-0.1157							
1550.49	6101	0.72	-0.155	713	650.5283051	-0.087917396	-0.1157							
2955	9357	1.16	-0.155	731	676.4194029	-0.074695555	-0.1157							
	377.3	0.05	-0.155	521			-0.1157							
1643.2	2223.5	0.5	-0.155	607	591.2555525	-0.022622632	-0.1157							
594.7	3205.2	0.72	-0.155	595	591.2038976	0.002779715	-0.1157							
2951.8	6157	1.95	-0.093	574	548.5529425	-0.045541912	-0.1157							
1755.3	7942.3	1.74	-0.093	593	548.4799205	-0.003103955	-0.1157	550.4216217	0.016421					
1024.1	5955.4	1.96	-0.095	557	519.527373	-0.050039507	-0.1157	544.7556597	-0.039173					
935.8	9933.2	2.16	-0.095	593	552.8972117	0.005522239	-0.1157	550.8650239	0.019427					
2751.8	12665	2.69	-0.093	540	515.15122	-0.044050333	-0.1157	533.5159592	-0.011267					
	230.9	2.88	-0.093	527	525.1228976	0.004007268	-0.1157	525.1554529	0.015477	1930.5	537.4257	-0.022253	525.5558	-0.343844
1421.7	1552.5	3.2	-0.095	507	505.9627352	-0.002006439	-0.1157	517.2359716	0.023451					
2259.5	4022	3.65	-0.092	459	475.1182132	-0.022349559	-0.1157	452.8524782	0.009329					
1929.9	5932.9	4.1	-0.094	475	464.3265135	-0.017973312	-0.1157	475.7513795	-0.004704					
1929.9	7912.9	4.45	-0.095	494	455.1953398	-0.019913552	-0.1157	462.2157962	0.004776					
1945.5	892.3	4.86	-0.092	444	443.865311	-0.000226894	-0.1157	452.9793031	0.002012					
2821.8	12854.1	5.34	-0.07	424	420.7155482	-0.007743754	-0.1157	430.5193977	0.015512					
	203.9	5.46	-0.075	397	415.4550175	0.045005033	-0.1157	415.5712914	0.055855					
1045.9	1252.9	5.7	-0.075	354	385.7971481	0.004575157	-0.1157	385.2179239	0.015411					
1889.1	5117.9	6.12	-0.081	389	395.1720282	-0.012973907	-0.1157	371.4679566	0.006522					
1102.4	4220.3	6.37	-0.089	330	388.12128	-0.008216722	-0.1157	361.4221422	0.003555					
1773.5	5990.8	6.73	-0.087	352	344.8153759	-0.014810355	-0.1157	349.1505997	-0.002426					
1552.5	7953.4	7.12	-0.089	333	334.0394519	-0.011726444	-0.1157	332.3237039	0.003956					
1929.9	9931.4	7.51	-0.08	325	322.5637930	-0.007434513	-0.1157	328.4590291	0.004521	2872.9	550.7826	0.002239	343.0169	-0.019952
1550	11821.4	7.86	-0.081	314	311.6954019	-0.007422028	-0.1157	314.8222609	0.002926					
	323	8.22	-0.092	299	300.7555289	0.005974901	-0.1157	303.6800302	0.016321					
2887.91	1210.91	8.5	-0.092	291	278.8257499	-0.002282059	-0.1157	280.8575532	-0.024919					
1013.09	4024	9.13	-0.093	285	265.0977566	0.000345429	-0.1157	264.5071239	0.006739					
2547	7071	9.75	-0.092	271	252.7578692	-0.010415823	-0.1157	257.1437486	-0.01423					
1555	9087	10.2	-0.092	255	239.759755	-0.034623703	-0.1157	250.0055595	-0.022252					
	1238.5	2.64	-0.155	503			-0.1157							
591.9	2223.5	2.8	-0.155	599	551.5512912	0.006055516	-0.1157							
594.7	3205.2	2.97	-0.155	595	575.1557065	0.016744512	-0.1157							
1555.3	5172	3.22	-0.15	545	541.518314	-0.005827866	-0.1157							
985	6157	3.5	-0.148	529	533.393025	0.008285499	-0.1157	530.4919766	0.002801					
1755.3	7942.3	3.93	-0.154	491	503.6117871	0.00554666	-0.1157	501.7544187	0.006933					



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797.5	4322	5.45	-0.157	393	286.4859922	0.002057538	-0.1157	384.8176269	0.004224
0	4322	5.45	-0.153	393	383	0	-0.1157	383	0
975.5	4987.9	5.67	-0.156	374	274.538147	0.002235587	-0.1157	372.2509135	-0.00466
2515.2	7912.9	6.15	-0.153	365	252.1171236	-0.025159115	-0.1157	346.6547254	-0.052774
1849.5	5662.3	6.47	-0.148	357	352.2458374	-0.013315582	-0.1157	348.5122337	-0.023775
2801.9	12664.1	6.58	-0.141	344	335.8551129	-0.023683282	-0.1157	311.0454846	-0.037659
	233.9	7.12	-0.132	331	337.6755593	0.002761257	-0.1157	336.8307399	0.017528
4049.9	1522.9	7.25	-0.129	319	324.7212076	0.017934193	-0.1157	323.771515	0.014529
1655.1	3117.9	7.55	-0.123	310	307.7473497	-0.007284979	-0.1157	326.2457357	-0.012107
2872.9	5990.9	8.01	-0.122	302	294.8203252	-0.02333999	-0.1157	292.9120219	-0.030093
2924.3	5915.1	8.44	-0.125	295	286.8490209	-0.027620439	-0.1157	265.3358813	-0.032776
365.3	8681.4	8.6	-0.125	289	289.439131	0.001327544	-0.1157	285.0199459	6.87E-05
1950	11631.4	8.55	-0.121	283	277.142466	-0.021595009	-0.1157	276.5320391	-0.022285
	323	9.37	-0.122	289	265.124177	0.035059467	-0.1157	262.7514293	-0.023765
1527.57	2250.57	9.67	-0.121	280	249.5543223	-0.002842709	-0.1157	245.5919759	-0.001232
3580.43	5101	10.3	-0.119	240	331.5420555	-0.025597844	-0.1157	331.6507559	-0.034758
2955	9267	10.64	-0.119	225	334.9775194	-0.01322696	-0.1157	325.062576	-0.012592
	253	2.005	-0.155	493			-0.1157		
2600.7	2563.7	2.271	-0.155	476	471.5157104	-0.009002709	-0.1157		
2552.2	5715.9	2.55	-0.155	455	459.2756102	-0.014455503	-0.1157		
1753.3	7459.2	2.75	-0.122	441	454.0544413	0.025931909	-0.1157		
821.3	8320.5	2.852	-0.105	481	423.5952471	-0.024184993	-0.1157	422.4930655	-0.034322
993.5	9214	2.955	-0.117	432	445.2504712	0.000995935	-0.1157	445.9135572	0.022259
	225.9	3.231	-0.131	414	420.155234	0.014899116	-0.1157	420.4215039	0.015525
510.7	1137.5	3.318	-0.145	421	425.7110157	0.021723294	-0.1157	409.3364277	0.002715
569.7	2127.3	3.416	-0.155	392	395.3709546	0.011150396	-0.1157	393.3994135	0.002672
2059.7	4214	3.627	-0.152	379	382.1776266	-0.008284157	-0.1157	375.5262176	0.002866
2757.591	6971.591	3.52	-0.151	319	355.9380577	-0.00259792	-0.1157	351.4305578	-0.002693
2557.709	8629.3	4.203	-0.159	355	358.4953097	0.004214109	-0.1157	352.2308239	-0.002766
534.9	10584.2	4.317	-0.155	345	350.3952337	0.010711832	-0.1157	345.5205029	0.009322
	2931.4	4.75	-0.151	335	328.5235993	-0.003035559	-0.1157	322.5204435	-0.004437
1629.1	4553.5	4.92	-0.147	352	331.1915455	0.005913744	-0.1157	325.4339556	-0.001515
2554.55	7745.15	5.24	-0.141	325	316.741253	-0.015184978	-0.1157	315.2277413	-0.023967
2318.55	10593.7	5.55	-0.133	309	309.7474609	0.005673574	-0.1157	307.4455797	-0.001755
	1135.89	5.82	-0.135	295	293.5622497	0.006655573	-0.1157	297.1445555	0.003855
1876.52	3110.7	6	-0.134	289	285.8903993	0.003389517	-0.1157	289.8415927	-0.002547
2507.55	5318.25	6.28	-0.133	281	275.4743977	-0.005429819	-0.1157	273.3575195	-0.009403
1632.05	7555.3	6.45	-0.132	273	274.0245413	0.003752599	-0.1157	273.2500285	0.002592
521.3	8777.6	6.61	-0.132	255	259.1335555	0.015455519	-0.1157	253.7097495	0.013395
1879.1	10556.7	6.87	-0.131	230	255.5795859	-0.012001209	-0.1157	255.0394566	-0.015156
753.1	11439.9	6.58	-0.131	255	255.5990195	0.003270355	-0.1157	255.2522551	0.005221
	219	7.1	-0.125	263	251.3535523	-0.044245776	-0.1157	251.0227431	-0.045541
1543	2152	7.24	-0.127	255	255.6295959	0.010273976	-0.1157	255.2525935	0.005996
1571	4133	7.4	-0.126	251	251.14374	0.002572559	-0.1157	250.5525753	-0.002696
1752	7915	7.72	-0.125	242	241.3755172	-0.003521334	-0.1157	242.7774232	-0.002622
1635	5551	7.5	-0.125	233	227.1253079	0.017705154	-0.1157	225.5117541	0.016725
1899	11445	8.12	-0.125	225	225.5442639	0.008941173	-0.1157	225.675531	0.007466
	159	8.25	-0.123	231	220.4677446	-0.045984175	-0.1157	220.3591928	-0.046454
859	1019	8.35	-0.123	219	225.3459014	0.002050305	-0.1157	225.3514952	0.051542
1755	2514	8.45	-0.124	206	214.21771963	0.000595997	-0.1157	214.2175169	0.003184
4497.05	7311.05	8.52	-0.124	209	197.5948895	-0.006771848	-0.1157	197.1999285	-0.002672
2525.28	10235.32	9.25	-0.124	195	195.1373055	-0.044555938	-0.1157	194.8909015	-0.012594
	1489.2	9.67	-0.124	189	188.291827	0.001552271	-0.1157	187.5520753	-0.000255
1752.9	3243	9.69	-0.123	184	185.3351451	-0.003624211	-0.1157	181.15747	-0.004524
1515	5159	10.4	-0.123	175	175.2177577	0.016222855	-0.1157	175.0577229	0.017544
2107	7255	10.34	-0.124	154	171.0155077	0.042775515	-0.1157	170.5204159	0.041354
1714	5979	10.34	-0.122	157	160.1204533	0.015575533	-0.1157	155.5305199	0.018395
351	8940	10.65	-0.125	152	154.7509712	-0.03274393	-0.1157	154.5625745	-0.053355
1778	11719	10.92	-0.125	153	155.0971597	0.013705955	-0.1157	154.5423275	0.012028
	227	11.85	-0.125	158	148.1542447	-0.002155599	-0.1157	147.8224825	-0.003742
575	1255	11.25	-0.124	157	161.0157237	0.025450459	-0.1157	162.5905371	0.0079
2058	3293	11.51	-0.124	149	150.5195254	0.031340037	-0.1157	152.7749319	0.052253
752	4245	11.59	-0.124	152	145.5595152	-0.035555259	-0.1157	146.5590981	-0.059527
1170	5155	11.77	-0.124	142	145.5595152	0.031340037	-0.1157	146.5590981	0.059527

1656.6	3236.2	13.2	-0.121	131	130.5173016	-0.0032884718	-0.1157	130.4812769	-0.0241899
1656.6	4172	13.44	-0.121	128	127.2801751	0.016321401	-0.1157	127.2804687	0.0163204
1656.2	7140.2	13.72	-0.12	119	120.5793298	0.019797729	-0.1157	120.5359375	0.0195428
802.1	7942.3	13.25	-0.12	115	117.44333074	0.021245934	-0.1157	117.4355219	0.0212493
1024.1	6955.4	13.87	-0.12	118	113.0888875	-0.041619594	-0.1157	113.0841393	-0.041666
935.6	8533.2	14.3	-0.12	114	115.1753147	0.019105392	-0.1157	115.1734333	0.0195066
2731.6	12555	14.83	-0.115	110	103.1507563	-0.048623459	-0.1157	103.1557599	-0.0487596
	233.9	14.87	-0.115	113	103.1719796	-0.043725843	-0.1157	103.1625511	-0.0435321
1431.7	1552.6	14.62	-0.115	110	110.9591913	0.005592546	-0.1157	111.0006466	0.0030695
2259.6	4322	15.09	-0.113	107	109.5017446	-0.004655593	-0.1157	109.5525431	-0.00242
2924.1	5945.1	15.47	-0.117	104	102.2420259	-0.015903559	-0.1157	102.2063995	-0.0162269
2916.2	3652.3	15.68	-0.117	104	55.90075753	-0.020764579	-0.1157	55.0129747	-0.019674
	203.9	15.6	-0.116	98	55.89809772	-0.01170454	-0.1157	54.0429491	-0.013075
2914	2117.9	16.75	-0.115	93	91.73584555	-0.01345747	-0.1157	91.53735564	-0.012236
6763.6	9581.4	17.59	-0.114	90	88.32358308	-0.051553744	-0.1157	88.60977693	-0.046878
	323	16.4	-0.113	94	82.85316075	-0.001623501	-0.1157	84.1455974	0.001734
8744	9367	19.11	-0.112	83	74.43451897	-0.003158537	-0.1157	74.33592547	-0.0097109
	5559.55	1.05	-0.109	518					
	5113.7	2.63	-0.109	483					
1695.3	3006.2	2.75	-0.109	443	434.301401	-0.0034822775	-0.1157		
1516.2	8924.4	3.04	-0.094	429	427.0269507	-0.004655599	-0.1157		
	219	3.72	-0.091	407	399.4344997	-0.028342552	-0.1157	402.4533394	-0.011293
	1155	3.52	-0.101	379	397.3721285	0.048475265	-0.1157	399.8996003	0.0364591
997	2162	4.14	-0.107	389	369.1495924	0.003124187	-0.1157	370.3714924	0.007239
1001	3159	4.34	-0.109	364	359.2345582	-0.012926593	-0.1157	360.2084666	-0.010446
970	4139	4.82	-0.11	287	338.1349766	-0.002119393	-0.1157	338.5390844	-0.0012591
900	5039	4.7	-0.111	261	345.6368216	-0.002293997	-0.1157	346.1661324	-0.001745
	159	5.67	-0.108	300	308.1297395	-0.04648941	-0.1157	308.3515664	-0.03674
1733.2	1532.2	6.19	-0.11	291	307.9749308	0.05331624	-0.1157	309.3276267	0.062582
2175.93	4952.19	6.66	-0.112	278	274.422972	-0.016405465	-0.1157	273.7303146	-0.011716
2448.52	7311.25	7.05	-0.112	270	268.5937014	-0.012615521	-0.1157	267.3745369	-0.009722
4056.93	11371.99	7.8	-0.11	253	282.7973414	-0.038784519	-0.1157	283.8599071	-0.034715
	0	7.82	-0.109	259	298.4713675	-0.046574641	-0.1157	296.5943325	-0.044531
1489.2	1489.2	8.08	-0.109	260	290.7571148	0.043029459	-0.1157	291.6675979	0.046875
2713.9	4233	8.68	-0.109	234	232.9746015	-0.005664096	-0.1157	234.7355594	0.003149
888	5159	8.66	-0.109	229	229.0121629	5.311328e-05	-0.1157	228.9189316	0.002703
888	8119	9.04	-0.109	228	224.1157409	-0.003513708	-0.1157	224.7128441	-0.001278
1152	7286	9.3	-0.09	219	219.1093935	-0.0040264991	-0.1157	219.9426973	-0.002271
749	8014	9.46	-0.109	207	214.3459213	0.027501562	-0.1157	213.3519329	0.042396
1923	9943	9.82	-0.107	201	193.2594161	-0.013584994	-0.1157	193.2496969	-0.008739
	227	10.33	-0.104	219	199.0955934	-0.124562354	-0.1157	190.325337	-0.115554
1654	2191	10.75	-0.103	201	205.4792659	0.031539546	-0.1157	206.7882131	0.028536
1112	3099	10.57	-0.102	182	195.7759628	0.015965421	-0.1157	196.4829587	0.02342
752	4346	11.13	-0.102	187	186.357906	0.007289959	-0.1157	183.5918923	0.010116
4527	5972	11.87	-0.102	175	177.4098613	0.015745293	-0.1157	178.792993	0.021374
1557	7929	11.99	-0.102	157	166.4195441	-0.003475734	-0.1157	167.6515169	0.003266
1020	8969	12.15	-0.102	163	163.0494982	0.003039558	-0.1157	163.9277143	0.0033591
2079	11039	12.57	-0.102	157	166.7516787	-0.007545935	-0.1157	166.8029936	-0.001255
	377.3	12.59	-0.101	167	149.3321053	-0.105975418	-0.1157	150.4151529	-0.099304
851.3	1238.6	13.15	-0.1	161	163.8320491	0.017593357	-0.1157	164.3229557	0.002664
881.9	2220.5	13.23	-0.095	168	167.5561975	0.016990217	-0.1157	163.1079252	0.002798
684.7	3225.2	13.21	-0.095	160	161.6990909	0.011207272	-0.1157	162.2823948	0.016032
6666.9	8172	13.62	-0.095	144	144.9359541	0.003721904	-0.1157	145.4864236	0.010193
1555.2	7140.2	14.11	-0.095	137	139.0790922	0.01622426	-0.1157	139.8246431	0.021347
1825.2	8965.4	14.4	-0.095	135	133.3259141	-0.018603044	-0.1157	133.1225556	-0.0193906
638.9	6905.2	14.65	-0.095	151	131.5977051	0.01215623	-0.1157	132.0102519	0.016344
	250.9	14.95	-0.1	123	124.3790354	0.010333632	-0.1157	125.4151394	0.019543
881	811.2	15.09	-0.1	118	121.5134667	0.029970257	-0.1157	121.7751295	0.032031
1599.2	2370.1	15.41	-0.101	114	111.6659579	-0.003310545	-0.1157	114.3937757	0.002489
3512.3	5952.9	15.03	-0.101	110	109.8459199	-0.037764357	-0.1157	107.0202598	-0.025563
963.2	6943.1	15.24	-0.101	112	107.6552903	-0.038762051	-0.1157	108.0162556	-0.035551
9520.2	8976.3	15.55	-0.101	109	107.5533327	-0.019348593	-0.1157	109.2152977	-0.007169
	223.9	17.18	-0.101	104	101.0124856	-0.028033014	-0.1157	102.2803817	-0.016635
1042.9	1387.9	17.85	-0.101	97	104.4189795	0.053976799	-0.1157	104.2140218	0.047566