

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.

A001  
LRR

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:

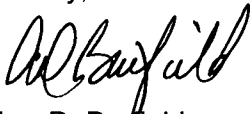
Mr. Jerald S. Holm  
AREVA NP Inc.  
Product Licensing and Regulatory Affairs, OF16  
3315 Old Forest Road  
PO BOX 10935  
Lynchburg, VA 24501

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. Barnfield  
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)

cc: U.S. Nuclear Regulatory Commission  
ATTN: Mr. Bhalchandra Vaidya, NRR/DORL (w/2)  
**ATTN: ADDRESSEE ONLY**  
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Mr. Brian W. Amy, MD, MHA, MPH  
Mississippi Department of Health  
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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.

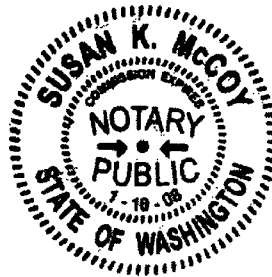
9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.

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**

Attachment 4 to  
GNRO-2007/00056  
Page 1 of 46

LPRM Exposure				Evaluated Sensitivity				Measured Current				Fixed Sensitivity LAM				Detector Specific Sensitivity				Simulated Data by Skipping Actual Measured points			
dB re 20 µPa, 1 kHz				LAM				Current				LAM				LAM				Detector sens.			

Attachment 4 to  
GNRO-2007/00056  
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2675.19	5350.19	6.45	-0.102	291	358.7530362	-0.007814102	-0.1197	230.3731735	-0.002458	2354	308.7155	0.022228	
3875.14	12236.33	6.82	-0.107	279	378.3931344	-0.002175146	-0.1197	278.8114299	0.003267				
	0	7.05	-0.101	317	371.4236222	-0.143774053	-0.1197	372.2176296	-0.141265				
1459.2	1459.2	7.15	-0.101	329	306.5011395	0.001621811	-0.1197	310.5355216	0.004673				
613.8	2320	7.41	-0.059	321	303.1353424	0.007154128	-0.1197	304.0485306	0.013122				
1903	4203	7.72	-0.058	338	290.0354813	0.014110074	-0.1197	291.5325233	0.023635				
955	5159	7.87	-0.053	275	230.813696	0.02148344	-0.1197	231.52355	0.024824				
855	5113	8.02	-0.055	254	270.1054384	0.023130448	-0.1197	270.5970673	0.025466				
1152	7255	8.2	-0.059	258	255.3726956	0.001444551	-0.1197	259.5835739	0.005254				
749	5314	8.31	-0.1	247	254.8251629	0.003871179	-0.1197	255.236523	0.032221				
1925	9940	8.55	-0.101	242	219.5557413	-0.004755248	-0.1197	240.1759266	0.002075				
	227	8.98	-0.059	259	225.0538739	-0.115523237	-0.1197	230.7321679	-0.13915				
1554	2151	9.34	-0.058	248	248.378225	0.002107393	-0.1197	245.9317993	0.007789				
1112	3293	9.53	-0.055	238	242.4033939	0.015555576	-0.1197	243.4249559	0.022754				
752	4345	9.66	-0.055	231	234.3251483	0.014354552	-0.1197	234.9371125	0.017226				
1527	5972	9.58	-0.058	215	223.3150341	0.034042239	-0.1197	223.8982533	0.041248				
2587	8559	10.15	-0.059	201	204.7031531	0.016423752	-0.1197	205.5125522	0.027525				
535	9584	10.51	-0.1	195	158.1334727	0.010555255	-0.1197	158.528248	0.013359				
	377.3	10.57	-0.096	217	155.4995977	-0.14516319	-0.1197	157.1882246	-0.137391				
551.3	1235.6	11.1	-0.059	209	213.5494	0.022245933	-0.1197	214.2251348	0.025201				
551.9	2220.5	11.25	-0.057	205	205.2504932	0.014259237	-0.1197	205.5501712	0.014513				
554.7	3225.2	11.4	-0.057	197	155.5875519	0.012120111	-0.1197	100.037734	0.015572				
1956.5	5172	11.67	-0.052	184	150.7349425	0.035522949	-0.1197	151.5075485	0.042976				
1958.2	7142.2	11.93	-0.053	177	178.351744	0.007593459	-0.1197	179.2709051	0.013355				
802.1	7942.3	12.03	-0.052	171	174.8939399	0.022171579	-0.1197	175.2735719	0.024992				
1550.9	9903.2	12.27	-0.055	157	155.1574341	-0.005048454	-0.1197	156.5343279	-0.035105				
2751.8	12555	12.55	-0.055	155	151.1023917	-0.022405748	-0.1197	152.2735221	-0.016524				
	511.8	12.76	-0.1	151	151.0958275	0.00050128	-0.1197	151.7551329	0.004752				
4152.5	4997.5	13.42	-0.1	155	148.590155	-0.059542258	-0.1197	150.5554274	-0.047348				
2515.2	7122.5	13.67	-0.053	153	145.5537595	-0.020301971	-0.1197	151.1557253	-0.011572				
3543.3	11755.1	14.33	-0.059	145	144.5032495	-0.008155921	-0.1197	146.1553515	0.001232				
	1975.5	14.51	-0.055	142	137.8478512	-0.03240414	-0.1197	135.2343446	-0.019547				
2344.7	4220.3	15.16	-0.058	135	136.1735263	-0.013131287	-0.1197	137.1635551	-0.006259				
3731.1	7953.4	15.75	-0.058	135	125.5532135	-0.047475522	-0.1197	130.2471351	-0.035235				
	523	15.95	-0.057	125	122.5255293	-0.015757558	-0.1197	124.5579555	-0.002415				
1927.57	2250.57	16.55	-0.057	122	120.553594	-0.01550057	-0.1197	121.414515	-0.004755				
	323	0.04	-0.155	513			-0.1197						
4515	5141	0.55	-0.155	537	551.5455551	-0.15335434	-0.1197						
353	6121	0.58	-0.155	552	577.2024553	0.041845849	-0.1197						
2955	9357	1.05	-0.155	555	521.5423347	-0.054801753	-0.1197						
	0	0.755	-0.155	575			-0.1197						
4075.9	4375.9	1.058	-0.155	554	554.2544928	9.325555-05	-0.1197						
	253	1.415	-0.155	535	532.0333325	-0.005545223	-0.1197						
1534.9	1537.9	1.559	-0.125	513	527.1539435	0.015762735	-0.1197						
5521.3	7433.2	2.042	-0.111	504	451.5370315	-0.024559123	-0.1197	450.2253944	-0.027355				
2423	9922.2	2.228	-0.115	484	451.1359555	0.014743794	-0.1197	452.255537	0.016552				
	225.9	2.34	-0.125	457	477.5545337	0.022503594	-0.1197	477.5355546	0.023129				
2577.5	3174.4	2.547	-0.123	457	455.5725	-0.003127134	-0.1197	455.0713572	-0.00422				
2589.9	5934.3	2.77	-0.123	448	444.9526255	-0.005779554	-0.1197	444.1395059	-0.005517				
1579.1	7573.4	2.923	-0.15	438	435.5599576	0.011195325	-0.1197	435.3117213	0.005512				
3555.3	11559.7	3.238	-0.134	413	412.9334792	0.014254135	-0.1197	417.5455493	0.011009				
	3553.35	3.55	-0.134	403	397.3544472	-0.005535832	-0.1197	395.5555571	-0.011103				
3575.8	7745.15	3.87	-0.121	391	385.423211	-0.014247542	-0.1197	381.7243949	-0.019508				
2515.55	12553.7	4.13	-0.13	377	379.018735	0.005154558	-0.1197	377.5357892	0.002405				
	5110.7	4.48	-0.125	352	351.5315551	-0.001255157	-0.1197	350.2355932	-0.004857				
2507.55	5215.25	4.71	-0.127	353	352.1597177	-0.002352375	-0.1197	351.4172317	-0.004484				
2755.55	5777.6	4.95	-0.125	347	342.5829555	-0.010700294	-0.1197	341.5551349	-0.014501				
1579.1	10555.7	5.15	-0.127	325	335.1872444	0.004082345	-0.1197	338.8555447	0.009495				
	219	5.22	-0.125	335	319.4332555	-0.045105755	-0.1197	319.037395	-0.052455				
2544	3153	5.5	-0.125	319	325.5379775	0.030543355	-0.1197	325.5244157	0.029557				
3725	5338	5.75	-0.124	310	305.595344	-0.001305342	-0.1197	305.1554318	-0.002528				
3759	12557	6.05	-0.124	322	295.7375355	-0.010501555	-0.1197	295.2097245	-0.012215				
753	11446	6.12	-0.124	294	295.4521135	0.015535943	-0.1197	295.3595539	0.019323				

159	6.25	-0.125	286	289.537185	0.01655726	-0.1157	289.6579671	0.016343	
659	1218	6.3	-0.127	271	292.2997662	0.048735128	-0.1157	292.2243048	0.048708
1795	3814	6.42	-0.128	254	357.1351756	0.01187558	-0.1157	355.5312716	0.01055
2049.13	4352.13	6.53	-0.131	257	355.3918915	0.007752932	-0.1157	355.6355884	0.006252
4421.52	8123.55	6.63	-0.132	247	346.4554121	-0.002204919	-0.1157	345.4825339	-0.006143
952.33	12236.33	7.03	-0.134	240	344.3450169	0.019358434	-0.1157	344.4054236	0.019355
1135.55	11371.59	7.11	-0.135	241	337.1443252	-0.01555955	-0.1157	336.6354513	-0.017402
	3	7.25	-0.135	248	335.9848739	-0.025505797	-0.1157	335.4675739	-0.025557
1459.2	1459.2	7.35	-0.135	240	345.0729334	0.012833659	-0.1157	342.7313162	0.011255
1753.8	3243	7.52	-0.135	253	225.1559345	0.005194397	-0.1157	224.5547235	0.005673
1915	5158	7.7	-0.135	225	228.0334755	0.00597592	-0.1157	227.4953382	0.005223
955	5113	7.75	-0.127	213	223.5751695	0.04553707	-0.1157	223.2506295	0.045125
1152	7255	7.85	-0.135	228	210.4555957	0.021877515	-0.1157	210.131735	0.019512
749	8314	7.97	-0.14	198	204.338755	0.02512347	-0.1157	203.7352577	0.022351
1925	9940	8.17	-0.141	192	194.2925134	0.011542174	-0.1157	193.525235	0.00784
	5972	9.14	-0.142	175	170.952523	-0.025675334	-0.1157	167.4557541	-0.045541
1957	7929	9.25	-0.145	155	171.42571	0.105572323	-0.1157	170.5357551	0.10255
1030	5959	5.45	-0.145	152	152.1557101	-0.054554352	-0.1157	152.7597153	-0.055923
	377.3	10.05	-0.143	152	150.4125227	-0.154374319	-0.1157	147.5755525	-0.17755
551.3	1215.6	10.15	-0.141	175	172.2345467	0.012523375	-0.1157	172.5525335	0.011254
1555.5	3225.2	10.34	-0.14	157	173.2454544	0.031427351	-0.1157	171.5193282	0.027421
1255.3	5172	10.55	-0.14	154	152.554427	0.057453391	-0.1157	152.1515719	0.05255
2770.3	7942.3	10.57	-0.14	142	148.2127234	0.05552353	-0.1157	147.2532599	0.05155
1024.1	5955.4	10.58	-0.14	145	138.1557028	-0.05355322	-0.1157	137.5535153	-0.05575
535.5	9503.2	11.05	-0.14	141	144.0902155	0.021515444	-0.1157	143.7555241	0.019517
1213.4	11115.6	11.24	-0.14	138	135.4525975	0.00557515	-0.1157	135.059574	0.002505
1545.4	12355	11.44	-0.14	132	134.7355119	0.002723575	-0.1157	134.1555945	0.015555
	233.8	11.55	-0.135	142	130.2733494	-0.05552354	-0.1157	129.5327725	-0.054525
551	511.5	11.55	-0.135	139	141.3217231	0.045703357	-0.1157	141.2125735	0.045518
1555.3	2370.1	11.75	-0.135	139	137.0175751	-0.01425133	-0.1157	136.7171145	-0.014524
2527.5	4957.5	11.54	-0.137	135	135.2253958	-0.00555557	-0.1157	134.5574213	-0.005972
5525.7	12533.3	12.55	-0.135	131	125.4235537	-0.024534525	-0.1157	125.0154307	-0.045355
	233.9	12.55	-0.135	124	125.7755545	0.014515311	-0.1157	125.034741	0.005714
1048.5	1252.9	12.57	-0.134	121	122.5152435	0.015025504	-0.1157	122.5550057	0.013755
2557.5	4220.3	13.15	-0.134	119	117.5551755	-0.001221325	-0.1157	117.4545553	-0.004255
	323	14.15	-0.132	112	105.0545237	-0.051523035	-0.1157	103.5173352	-0.074545
3501	4224	14.44	-0.131	109	105.3054171	-0.005344797	-0.1157	107.5153445	-0.005751
517	5141	14.52	-0.125	115	107.5511977	-0.00530302	-0.1157	107.5515449	-0.003141
550	5101	14.5	-0.123	112	114.5544557	0.044455524	-0.1157	114.5050359	0.042715
570	7071	14.55	-0.127	112	103.5213303	-0.025120579	-0.1157	105.7403711	-0.023137
2753.37	5334.37	14.55	-0.125	109	105.4351339	-0.00515455	-0.1157	105.2245155	-0.002714
	323	0.1	-0.155	535			-0.1157		
1527.57	2253.57	0.72	-0.155	577	525.5157051	-0.005227545	-0.1157		
2550.43	5141	0.51	-0.155	554	515.5914557	-0.11522545	-0.1157		
550	5101	0.52	-0.155	553	552.7255451	-0.01025223	-0.1157		
	323	0.05	-0.155	592			-0.1157		
1527.57	2253.57	0.55	-0.155	507	557.5252355	-0.001370352	-0.1157		
2550.43	5141	1.31	-0.155	533	555.2113433	-0.12105573	-0.1157		
3525	9357	2.32	-0.155	515	550.9172575	-0.007535422	-0.1157		
	323	0.05	-0.155	595			-0.1157		
1527.57	2253.57	0.15	-0.155	517	571.9153197	-0.071445425	-0.1157		
2550.43	5141	0.57	-0.155	533	551.5519442	-0.005413577	-0.1157		
	323	0.01	-0.155	535			-0.1157		
1000.79	1325.79	0.14	-0.155	593	555.0733355	0.005554973	-0.1157		
2515.21	5141	0.54	-0.155	514	555.2751545	-0.007535475	-0.1157		
2550.43	5334.43	0.5	-0.155	533	555.1034555	-0.002525553	-0.1157		
	323	0.05	-0.155	533			-0.1157		
1527.57	2253.57	0.55	-0.155	545	455.4555154	-0.00555525	-0.1157		
4520.43	7071	2.55	-0.155	530	452.5554552	-0.002723777	-0.1157		
2550.43	5334.43	1.55	-0.155	517	457.5555555	-0.005125555	-0.1157		

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1827.57	2253.57	0.42	< 0.155	593	541.1731454	-0.03743279	< 0.1157				
1873.43	4224	0.77	< 0.155	534	555.5534587	-0.103044573	< 0.1157				
1877	5121	1.03	< 0.155	513	510.3052394	-0.015077351	< 0.1157				
1503.48	5004.48	1.45	< 0.155	529	551.4749146	-0.074374155	< 0.1157				
	323	0.04	< 0.155	592			< 0.1157				
1827.57	2253.57	0.55	< 0.155	573	545.445441	-0.045055236	< 0.1157				
1873.43	4224	0.5	< 0.155	552	555.7753552	-0.0037524	< 0.1157				
517	5121	0.52	< 0.155	544	552.0135552	0.04733584	< 0.1157				
950	5121	0.74	< 0.155	529	535.2415355	0.015555572	< 0.1157				
970	7071	0.52	< 0.175	515	520.2355555	0.010114339	< 0.1157	515.5201593	0.003728	1877	538.2573 0.0175 544.1412 0.325522
533.48	5004.48	1.02	< 0.155	532	505.4415415	0.003347552	< 0.1157	502.3247591	0.003547		
1052.52	9357	1.15	< 0.152	493	492.4771775	0.015521495	< 0.1157	487.514542	0.005107	1823.48	505.1152 0.005107 511.5539 0.319052
	323	0.05	< 0.155	574			< 0.1157				
4515	5141	1.5	< 0.155	555	454.5552214	-0.127555435	< 0.1157				
2853.48	5004.48	2.15	< 0.155	543	511.3035483	-0.057331034	< 0.1157				
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	377.3	0.11	< 0.155	571			< 0.1157				
551.3	1235.5	0.25	< 0.155	717	551.2177525	-0.051745554	< 0.1157				
551.9	2223.5	0.54	< 0.155	551	552.3572774	0.015150455	< 0.1157				
554.7	3275.2	0.5	< 0.155	555	550.1503242	0.034550153	< 0.1157				
1555.8	5172	1.42	< 0.14	553	555.4555552	0.074375843	< 0.1157				
555	5157	1.57	< 0.13	537	541.5452224	0.00347155	< 0.1157	525.5045357	-0.021407	1843.2	
553.2	7143.2	1.55	< 0.15	515	515.3301755	0.003345551	< 0.1157	505.5072415	-0.322316		
	232.9	3.24	< 0.175	553	410.7291113	0.055555555	< 0.1157	341.0201223	-0.123151	1955.2	491.3513 -0.04552 523.5355 0.315552
1451.7	1552.5	4.24	< 0.155	375	370.5155251	-0.01153555	< 0.1157	352.5551445	-0.333154		
2355.5	4322	4.57	< 0.157	354	347.7505453	-0.017524722	< 0.1157	337.7535255	-0.345555		
575.5	4957.5	5.12	< 0.152	345	343.5534552	-0.004155311	< 0.1157	340.3745457	-0.313407		
2515.2	7912.5	5.55	< 0.144	327	315.7545454	-0.024255552	< 0.1157	305.2572505	-0.357155		
553.5	5575.3	5.14	< 0.135	315	315.2215554	-0.003755755	< 0.1157	314.0773257	-0.315431		
555	5552.3	5.43	< 0.135	312	305.1155445	-0.005075553	< 0.1157	305.3555333	-0.311523		
571	1553.3	5.7	< 0.133	323	300.1412351	-0.005454715	< 0.1157	255.5232335	-0.313755	1849.5	301.2315 -0.325254 305.4332 -0.314732
1823.5	1254.1	7.15	< 0.133	252	255.0515251	-0.022155757	< 0.1157	254.253533	-0.325503		
	233.5	7.4	< 0.135	257	254.4155271	0.052235125	< 0.1157	253.5155274	0.353232	2521.5	275.5332 -0.341204 253.5524 -0.325512
1045.9	1252.5	7.73	< 0.125	255	255.5555213	-0.005035301	< 0.1157	255.5723425	-0.312075		
722.5	1575.5	7.55	< 0.125	253	251.5557317	-0.004054054	< 0.1157	251.4253535	-0.325212		
1142.3	3117.5	5.3	< 0.027	247	242.5131177	-0.015531215	< 0.1157	242.2255315	-0.31532		
2104.2	5223.1	5.5	< 0.125	242	225.5525354	-0.042155223	< 0.1157	225.5775225	-0.345342	1855.1	240.535 -0.325753 241.5151 -0.323575
755.7	5552.5	5.11	< 0.124	234	234.0423123	0.001155324	< 0.1157	231.7515557	-0.305322		
553.3	5552.1	5.35	< 0.122	225	225.5552555	0.002475152	< 0.1157	225.2553551	0.301307		
553.3	7553.4	5.55	< 0.121	220	215.5529131	-0.005555755	< 0.1157	215.4102115	-0.307225	1735	225.2235 0.330104 225.5332 0.302551
1525	5531.4	10.23	< 0.12	212	205.4520415	-0.021475304	< 0.1157	205.2152097	-0.3225		
1550	11531.4	10.77	< 0.115	204	155.5554151	-0.015022247	< 0.1157	155.5235231	-0.325175		
	323	11.32	< 0.115	175	151.0322351	0.055335524	< 0.1157	151.1525757	0.355255		
1002.75	1525.75	11.51	< 0.115	171	155.5553343	-0.005575234	< 0.1157	170.0751523	-0.305355		
524.75	2253.57	11.55	< 0.115	159	155.5553327	-0.012150555	< 0.1157	155.0251521	-0.311731		
1873.43	4224	12.35	< 0.117	151	157.5725545	-0.020554575	< 0.1157	157.5152515	-0.315732	1527.57	155.1355 -0.317053 154.5535 -0.317355
1877	5121	12.51	< 0.115	155	153.1355355	-0.01551407	< 0.1157	153.2757012	-0.317435		
570	7071	13.04	< 0.115	151	151.7537457	0.005057515	< 0.1157	151.5525515	0.305314		
533.48	5004.48	13.25	< 0.115	145	147.0754571	-0.002455544	< 0.1157	147.1551353	-0.305435		
1052.52	9357	13.52	< 0.115	143	143.2532553	0.002504743	< 0.1157	143.4752105	0.303323	1503.48	145.0557 0.303444 147.5154 -0.301221
	1575.5	0.41	< 0.155	531			< 0.1157				
1142.3	3117.5	0.55	< 0.155	545	515.5524552	-0.05227555	< 0.1157				
5542.2	3552.1	1.42	< 0.155	557	457.0133042	-0.07555043	< 0.1157				
	323	3.23	< 0.155	535	445.0353777	-0.05075545	< 0.1157				
1527.57	2253.57	3.57	< 0.155	515	513.0451555	-0.05557525	< 0.1157				
2353.43	5141	4.05	< 0.05	523	455.4515255	-0.02254377	< 0.1157				
950	5121	4.21	< 0.042	492	454.045231	0.005233737	< 0.1157	500.2511235	0.021002		
1503.48	5004.48	4.54	< 0.052	455	471.0215054	0.015552121	< 0.1157	452.2554477	0.325255		
	155	0.02	< 0.155	575			< 0.1157				
255	514	5.4	< 0.125	525	575.4515555	0.755515555	< 0.1157				



1138.55	11371.98	1.5	-0.195	458	459.5527955	-0.013835256	-0.1157	459.0979946	-0.0223958	1951.59	470.1727	0.0028	475.5558	0.0211
	1489.2	1.88	-0.148	459	448.2753687	-0.017045544	-0.1157	437.5125563	-0.034186					
2715.5	4203	2.27	-0.12	438	432.3386237	-0.012525523	-0.1157	427.5257593	-0.022956					
3262	7266	2.7	-0.125	412	416.0053633	0.005771998	-0.1157	414.1875982	0.02631					
2575	8943	3.07	-0.125	359	394.1511343	0.015553362	-0.1157	393.3799314	0.013663					
2587	12627	3.58	-0.108	353	385.0022636	0.005370966	-0.1157	384.0358277	0.002457					
	1325	3.88	-0.132	333	350.1859428	0.051635468	-0.1157	349.5345975	0.049654					
2359	3293	4.15	-0.142	323	322.4058247	0.054059834	-0.1157	321.3405796	0.060531					
752	4345	4.26	-0.143	314	305.0356496	-0.047884301	-0.1157	303.3239119	-0.049388					
1627	5972	4.52	-0.144	302	304.3751935	0.014593579	-0.1157	302.5356444	0.008466					
954	5835	4.65	-0.147	287	295.367334	0.029155215	-0.1157	294.4352393	0.02651	2579	287.4914	-0.041655	289.5733	-0.033756
2123	5959	4.95	-0.15	273	275.375582	0.025459192	-0.1157	274.5155226	0.017105					
905	8954	5.1	-0.153	259	255.1954123	0.027569195	-0.1157	253.992394	0.023228					
1927	11791	5.44	-0.152	254	247.7107125	-0.061701545	-0.1157	244.9219492	-0.072255					
550.40285	12791.43	5.62	-0.151	255	235.3726365	0.013226251	-0.1157	236.5745762	0.007352	2532	250.5955	-0.045747	254.6192	-0.035533
	3225.2	6.18	-0.145	245	235.4871453	-0.025564713	-0.1157	234.3237123	-0.043577					
1955.5	5172	6.47	-0.145	225	225.5412333	0.047035103	-0.1157	224.5393112	0.038226					
1959.2	7140.2	6.83	-0.145	217	216.4553582	-0.002451345	-0.1157	214.195753	-0.012918					
3979.4	11115.5	7.52	-0.145	211	199.7375	-0.052052417	-0.1157	195.5535592	-0.071403					
1545.4	12555	7.81	-0.142	203	203.8312364	0.003545823	-0.1157	202.3114079	-0.032352					
	233.9	7.57	-0.142	192	195.1491375	0.037233391	-0.1157	193.4583396	0.032541					
591	811.8	8.04	-0.141	187	150.3975931	0.016173572	-0.1157	150.1009729	0.016583					
3210.2	4022	9.47	-0.142	170	177.5194334	0.044814314	-0.1157	175.5559394	0.035255					
3350.8	7912.3	9.52	-0.141	155	157.1745181	-0.052552542	-0.1157	155.011355	-0.046197					
583.5	5575.3	9.25	-0.14	182	162.5552029	0.004059535	-0.1157	162.0652535	0.003422					
	203.9	10.27	-0.135	141	144.0557035	0.021753597	-0.1157	141.2339276	0.001536					
1045.9	1252.9	10.4	-0.135	134	135.822392	0.035551557	-0.1157	133.475012	0.033256					
3559.3	5222.1	10.55	-0.139	131	125.4522354	-0.042373212	-0.1157	124.1374972	-0.052396					
2731.3	7953.4	11.38	-0.137	125	124.4275555	-0.027507137	-0.1157	123.3595325	-0.035541					
591.7	5915.1	11.54	-0.135	125	125.57187	0.00487436	-0.1157	123.2147577	0.001759					
2915.3	11531.4	12.11	-0.135	121	115.7555131	-0.025075575	-0.1157	115.5753545	-0.043939					
	323	12.57	-0.132	115	114.5175025	-0.00415475	-0.1157	113.7144573	-0.011175					
3501	4224	13.03	-0.132	112	103.5390439	-0.028232823	-0.1157	103.1751983	-0.03415					
2547	7071	13.4	-0.13	109	107.147973	-0.015591591	-0.1157	105.551351	-0.021455					
1555	9057	13.72	-0.125	105	104.5038149	-0.00916345	-0.1157	104.5555212	-0.004234					
	323	0.03	-0.155	554			-0.1157							
1527.57	2253.57	0.57	-0.155	575	522.74715	-0.030452847	-0.1157							
3553.43	6121	5.59	-0.155	557	457.7379137	-0.008185128	-0.1157							
	5992.9	1.55	-0.155	551			-0.1157							
2593.4	5575.3	2.45	-0.155	535	500.5515225	-0.005350325	-0.1157							
1957	13533.3	2.54	-0.155	525	507.3522525	-0.035451972	-0.1157							
	3117.9	4.45	-0.075	453	435.3242577	-0.024150383	-0.1157							
1132.4	4223.3	4.78	-0.13	435	433.5710467	-0.007854572	-0.1157	433.5591555	0.036879					
1770.5	5950.9	5.25	-0.052	418	410.1736635	-0.018705993	-0.1157	418.5582051	0.021752					
559.3	5952.1	5.52	-0.052	407	403.7359234	-0.00301248	-0.1157	403.1772159	0.022852					
593.3	7953.4	5.55	-0.054	397	393.5953515	-0.005501855	-0.1157	397.5503334	0.001638	1872.9	422.5245	0.010224	425.5533	-0.025425
591.7	5915.1	6.15	-0.054	387	382.4553582	-0.005159039	-0.1157	387.4458211	0.001152					
555.3	5951.4	6.42	-0.055	379	374.5825013	-0.011355432	-0.1157	375.3215248	-0.039175	1952.5	398.5122	0.004817	390.4315	-0.015545
1155	11039.4	6.74	-0.055	358	364.7573015	-0.005511551	-0.1157	365.2331371	0.002256					
752	11831.4	6.94	-0.055	355	355.2546392	0.005515475	-0.1157	356.17958759	0.012605	1928	375.7575	-0.00054	371.2505	-0.020421
	323	7.47	-0.05	322	335.8935577	0.043455254	-0.1157	342.0455527	0.062253					
1002.79	1325.79	7.75	-0.051	314	311.3355552	-0.003512514	-0.1157	312.555958	-0.14505	1953	352.513	0.002855	355.1257	-0.005227
524.75	2253.57	8	-0.055	305	304.7427524	-0.005545455	-0.1157	305.7837144	0.005348					
950.34	3210.31	8.25	-0.052	295	295.5539773	-0.001155594	-0.1157	297.5557774	0.025255	1927.57	327.3212	0.005551	322.2555	-0.009155
1013.09	4224	9.53	-0.055	285	285.5355125	0.002052743	-0.1157	285.2775515	0.007935					
517	5141	9.77	-0.101	275	277.5035975	-0.001540153	-0.1157	275.2547333	0.021021	1973.43	190.3234	0.014055	255.2515	0.003975
550	5121	9.02	-0.102	270	270.7745112	0.002555553	-0.1157	272.0434451	0.007559					
570	7071	9.25	-0.103	253	251.413373	-0.005021522	-0.1157	252.5555575	-0.031271	1877	272.4573	0.005101	269.7077	-0.001253
533.45	8034.48	9.55	-0.104	255	254.540571	-0.004155532	-0.1157	255.0503314	0.003157					
1032.50	9057	9.55	-0.105	247	245.5701414	-0.002120555	-0.1157	245.1151145	0.00345	1933.45	255.7913	-0.000515	253.403	-0.013145
767.37	5534.37	10.07	-0.105	241	240.5503999	-0.001741079	-0.1157	241.3595953	0.001452					
							-0.1157			1929.55	242.5232	0.0052	242.5513	-0.001852

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753	11751	2.23	-0.283	188	189.5556395	0.00332771	-0.1157	184.7557673	-0.317251		
590.4235	12781.43	2.44	-0.237	182	183.3331481	0.007324973	-0.1157	177.8962865	-0.322537	1927	189.7943 0.004172 192.0621 0.021607
	377.3	2.65	-0.174	180	177.2597582	-0.007001219	-0.1157	172.7535555	-0.330377		
551.3	1239.5	2.81	-0.155	183	185.5153935	0.015775922	-0.1157	185.1251555	0.311504		
551.9	2222.5	2.98	-0.148	177	179.3137458	0.013070123	-0.1157	178.2428262	0.307031		
554.7	3275.2	3.15	-0.157	155	173.4346259	0.051115945	-0.1157	172.8222353	0.346074	1843.2	178.7259 0.01631 182.5539 0.033107
1553.3	5172	3.5	-0.105	192	158.2331271	-0.175584755	-0.1157	155.1775581	-0.185574		
555	5157	3.62	-0.055	157	187.9374157	0.004552491	-0.1157	185.2555742	0.306675	2551.5	153.9351 -0.146411 165.3197 -0.133757
553.2	7143.2	3.85	-0.033	174	185.2331824	0.053054324	-0.1157	184.2555491	0.359115		
1825.2	5955.4	4.15	-0.031	158	187.852515	-0.000315545	-0.1157	185.7203959	0.312243	1855.2	184.5132 0.062145 184.1223 0.358174
555.5	9933.2	4.22	-0.035	151	184.5159151	0.0224599125	-0.1157	185.5451554	0.325555		
1213.4	11115.5	4.54	-0.051	154	185.5155543	0.018282555	-0.1157	187.5525154	0.325555	2753	157.3425 0.335297 164.4512 0.021522
1548.4	12555	4.62	-0.055	149	146.9240735	-0.000003574	-0.1157	150.1255485	0.307555		
	233.9	4.58	-0.103	138	146.1735045	0.051607949	-0.1157	146.7523255	0.355772	2751.5	154.2237 0.335235 151.5458 0.017764
2553.4	3224.2	5.42	-0.103	134	121.7138425	-0.017033284	-0.1157	122.7043791	-0.303655		
797.5	4322	5.57	-0.113	127	121.773129	0.037683772	-0.1157	121.5591503	0.339235		
2534.1	5945.1	5.65	-0.115	124	115.755211	-0.034150717	-0.1157	120.1591457	-0.303975		
2515.2	5552.3	5.82	-0.115	121	117.355332	-0.030105413	-0.1157	117.5557935	-0.303455		
	233.9	7.22	-0.115	112	111.2745472	-0.005477257	-0.1157	111.5591215	-0.303501		
1045.9	1252.9	7.37	-0.115	105	110.0059555	0.01553232	-0.1157	110.0545551	0.319302		
2557.5	4223.3	7.51	-0.115	105	112.4590521	-0.024155504	-0.1157	102.5255913	-0.32257		
2739.5	5552.1	9.24	-0.115	102	55.75207544	-0.022222554	-0.1157	55.55107575	-0.320575		
	323	9.57	-0.105	89	55.55914224	-0.012131557	-0.1157	57.5336052	-0.115522		
-0.002.79	1325.79	9.72	-0.105	84	57.25511752	0.034450215	-0.1157	57.25451254	0.036132		
-885.12	2210.91	9.95	-0.105	91	51.01055171	0.000115053	-0.1157	51.34755525	0.003523		
-0.013.09	4224	10.13	-0.104	58	55.45770571	0.005450095	-0.1157	55.67205439	0.007552		
3750.45	5304.45	10.75	-0.102	55	52.53429515	-0.035155423	-0.1157	52.442393	-0.322574		
-0.02.52	5057	13.52	-0.101	54	54.25757125	0.003155554	-0.1157	54.25151454	0.005231		
	5155	0.61	-0.155	535							
507	5973	0.71	-0.155	515	527.4443527	0.015575523	-0.1157				
554	5925	0.82	-0.155	595	507.2152205	0.015517149	-0.1157				
	377.3	1.51	-0.059	570	523.7039157	-0.031155113	-0.1157				
551.3	1239.5	2.01	-0.082	545	555.2177725	0.031534332	-0.1157	555.0525377	0.335775		
551.9	2222.5	2.12	-0.074	555	535.5579435	-0.045269131	-0.1157	541.0377073	-0.342411		
554.7	3275.2	2.23	-0.03	535	557.5384277	0.025445712	-0.1157	550.4155573	0.341672	1843.2	551.5003 -0.305553 555.5535 -0.015154
1553.3	5172	2.47	-0.032	515	522.7542334	0.013103974	-0.1157	527.7559325	0.322505		
1553.2	7143.2	2.74	-0.055	495	455.5503217	0.007152353	-0.1157	503.354344	0.309755		
1575.4	11115.5	3.25	-0.057	482	457.7559545	-0.025521193	-0.1157	474.0455212	-0.3155		
1548.4	12555	3.51	-0.033	459	455.9112505	-0.000155535	-0.1157	471.2555473	0.305544		
	4322	4	-0.057	453	442.2325203	-0.023555313	-0.1157	447.0125059	-0.313221		
1553.9	5932.3	4.22	-0.052	454	441.2254214	-0.040051252	-0.1157	441.4353973	-0.34432		
553.2	5945.1	4.34	-0.051	445	457.3327423	0.020543323	-0.1157	455.5055125	0.324342		
2515.2	5552.3	4.71	-0.035	438	425.5914321	-0.021482512	-0.1157	433.1559555	-0.311234		
	233.9	4.91	-0.054	413	455.4515055	0.115545231	-0.1157	453.573575	0.355555		
1045.9	1252.9	5.4	-0.054	397	352.4515155	-0.055547525	-0.1157	372.7755557	-0.351205		
7552.5	5915.1	5.77	-0.051	355	352.0445537	-0.055524555	-0.1157	355.2534124	-0.34432		
2124.3	11039.4	5.45	-0.057	395	371.5547551	-0.055570159	-0.1157	374.5727415	-0.350702		
792	11531.4	5.57	-0.055	351	355.5331253	0.023154057	-0.1157	351.2537525	0.325371		
	323	5.91	-0.035	353	355.535355	0.025275793	-0.1157	370.1455555	0.345574		
1527.57	2250.57	7.05	-0.035	335	345.5353552	0.0203227	-0.1157	347.5755527	0.325155		
550.34	3210.91	7.17	-0.035	347	325.3575543	-0.033522553	-0.1157	325.2557241	-0.330752		
-0.013.09	4224	7.27	-0.035	337	342.5711703	0.01742157	-0.1157	343.5557555	0.320552		
517	5141	7.35	-0.035	344	333.3555547	-0.030345975	-0.1157	334.3415015	-0.325077	1573.43	332.575 -0.310745 331.3771 -0.315555
2553.45	5304.45	7.55	-0.035	333	330.5755315	-0.005977377	-0.1157	334.1535974	0.303455		
-0.02.52	5057	7.51	-0.033	325	325.2509771	0.010003007	-0.1157	325.5022218	0.313552		
	323	0.61	-0.155	555							
1527.57	2250.57	0.64	-0.155	533	501.1551432	-0.022142305	-0.1157				
2553.45	5141	1.25	-0.155	549	455.573472	-0.005517551	-0.1157				
1950	7371	1.55	-0.155	534	505.125545	-0.04504253	-0.1157				
1955	5357	2.57	-0.155	515	455.3554244	-0.025115533	-0.1157				
	323	0.05	-0.155	500							
1527.57	2250.57	0.75	-0.155	515	555.757155	-0.015555557	-0.1157				

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1977	6121	0.58	-0.168	531	587.5903532	-0.036678124	-0.1157
1956	9367	1.53	-0.168	541	590.7950467	-0.078321297	-0.1157
							-0.1157
	323	0.03	-0.168	536			-0.1157
2487.91	3213.51	0.3	-0.168	530	616.7737231	-0.032665911	-0.1157
1932.29	5141	0.51	-0.168	539	621.8545974	-0.033519246	-0.1157
950	5121	0.62	-0.168	550	620.2430162	-0.029046556	-0.1157
970	7071	0.74	-0.168	595	670.3323397	-0.025515255	-0.1157
1995	9067	1.01	-0.168	722	672.597256	-0.066009181	-0.1157
							-0.1157
	233.9	0.07	-0.168	530			-0.1157
1048.9	1252.9	0.47	-0.168	549	608.2215321	-0.078055901	-0.1157
1655.1	3117.3	1.09	-0.168	528	608.5051927	-0.03335753	-0.1157
	323	4.13	-0.168	469	386.9438462	-0.217624156	-0.1157
2487.91	3210.91	5.02	-0.042	451	421.6263944	-0.069176531	-0.1157
1920.09	5141	5.61	-0.044	429	420.2477165	-0.023401592	-0.1157
1930	7071	6.18	-0.047	412	400.7069771	-0.027412592	-0.1157
1763.37	9534.37	6.58	-0.05	389	374.3770143	-0.037551223	-0.1157
							-0.1157
	5982.9	1.77	-0.168	559			-0.1157
553.2	5945.1	2.05	-0.168	548	537.8923952	-0.016261222	-0.1157
555.7	7912.9	2.4	-0.168	535	528.3350191	-0.013013048	-0.1157
553.5	5876.3	2.67	-0.078	521	517.8957576	-0.009785494	-0.1157
555	5862.3	2.55	-0.081	509	503.8275473	-0.010151989	-0.1157
2820.8	12564.1	3.7	-0.076	495	465.275652	-0.040627519	-0.1157
	233.9	3.93	-0.03	453	471.8295941	0.041555433	-0.1157
1771.7	1975.5	4.2	-0.034	434	423.1213892	-0.026082209	-0.1157
1142.5	3117.3	4.68	-0.023	425	414.7012135	-0.024322204	-0.1157
1102.4	4220.3	6.24	-0.032	412	407.0746692	-0.011854155	-0.1157
1001.5	5222.1	6.55	-0.051	401	355.0955928	-0.01472361	-0.1157
755.7	5990.8	5.58	-0.051	369	355.712275	-0.000739543	-0.1157
969.5	5962.1	6.19	-0.051	377	373.4533074	-0.00532014	-0.1157
969.3	7953.4	6.52	-0.051	355	382.3954133	-0.005843405	-0.1157
951.7	5915.1	6.23	-0.051	355	382.5577281	-0.00555978	-0.1157
955.3	5931.4	7.12	-0.052	339	342.4751253	0.013245993	-0.1157
1950	11331.4	7.63	-0.052	325	315.4544445	-0.02525017	-0.1157
	323	8.26	-0.056	290	304.1349298	0.048741054	-0.1157
1827.57	1250.57	8.62	-0.056	278	271.1979293	-0.024457575	-0.1157
560.34	3210.51	9.19	-0.055	270	255.5153555	-0.005451572	-0.1157
1013.09	4224	9.42	-0.1	252	260.1547174	-0.007004895	-0.1157
917	5141	9.65	-0.1	235	233.6977915	-0.00524347	-0.1157
1530	7071	10.28	-0.101	244	237.6123455	-0.026175912	-0.1157
553.45	2334.49	10.56	-0.101	237	215.957623	-0.00435215	-0.1157
1062.52	9067	10.88	-0.101	227	228.353616	0.004817592	-0.1157
767.37	5934.37	11.05	-0.101	222	221.3550209	-0.002960255	-0.1157
							-0.1157
	5982.9	1.21	-0.168	505			-0.1157
	233.9	3.27	-0.168	551	479.2715552	-0.132175113	-0.1157
1771.7	1975.5	2.69	-0.168	532	525.4955713	-0.021377933	-0.1157
2244.7	4220.3	4.17	-0.051	524	505.5355278	-0.025241153	-0.1157
1772.5	5930.8	4.61	-0.05	514	457.1151417	-0.032547373	-0.1157
1952.5	7963.4	5.1	-0.051	500	484.7184475	-0.030551104	-0.1157
1505	9581.4	5.62	-0.051	487	455.2347455	-0.03541733	-0.1157
1159	11039.4	5.58	-0.054	457	457.0156175	3.996625E-05	-0.1157
792	11331.4	6.21	-0.056	457	454.3183927	-0.00385755	-0.1157
975.5	12810	6.45	-0.055	443	441.3373234	-0.003359496	-0.1157
	323	6.62	-0.055	429	425.8421639	0.045733734	-0.1157
1003.79	1325.79	7.02	-0.07	420	355.5454595	-0.004125525	-0.1157
1885.12	3212.51	7.35	-0.074	384	383.1293055	-0.002267431	-0.1157
1930.09	5141	7.75	-0.077	373	355.5094309	-0.015513559	-0.1157
960	5101	8.01	-0.08	339	380.3056241	-0.004642125	-0.1157
970	7071	8.23	-0.082	355	355.5135484	0.001443509	-0.1157
1595	9067	8.67	-0.085	324	325.7559391	-0.00324341	-0.1157
767.37	5934.37	8.82	-0.085	325	327.5542393	0.005157225	-0.1157

435.5515512 0.025551  
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1244.7 434.837 -0.017525 397.2105 -0.035597

1770.5 559.5154 0.001325 352.989 -0.015452

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1929 345.2255 0.02437 340.2291 0.035552

1973.43 252.1245 0.000477 258.7542 -0.012455

1995 229.6527 0.011655 227.0924 0.003258

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372.5244251 -0.001275

355.5135484 0.012322

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325.4883488 0.01381

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2791.2	230.8	5.18	-0.11	382	385.1512824	0.002705193	-0.1157	386.4893468	0.012426
1530.9	5982.9	6.15	-0.101	340	332.325477	-0.021533691	-0.1157	334.368162	-0.016806
555.2	5946.1	6.4	-0.089	350	331.5593432	0.004707121	-0.1157	332.6545391	0.00666
1930.2	8876.3	6.82	-0.089	318	313.8197117	-0.003746947	-0.1157	316.8899549	0.004552
1957	15833.3	7.3	-0.097	106	287.4114813	-0.028007095	-0.1157	300.3912914	-0.018362
	133.9	7.63	-0.099	274	235.7728522	0.039637344	-0.1157	287.853246	0.060588
1771.7	1975.6	8.15	-0.1	238	255.5319014	-0.003243557	-0.1157	287.0372352	-0.003652
1142.3	3117.9	8.37	-0.101	260	282.1267434	0.008797828	-0.1157	283.2191667	0.012391
2104.2	5222.1	8.72	-0.102	284	245.3323215	-0.016375697	-0.1157	280.9595935	-0.011931
765.7	5993.5	8.66	-0.103	247	249.7769951	0.011260749	-0.1157	280.995548	0.01278
2924.3	8915.1	9.42	-0.102	239	230.9556231	-0.023532121	-0.1157	232.155125	-0.024451
2124.3	11039.4	9.5	-0.102	232	225.5550634	-0.027348975	-0.1157	227.580393	-0.01505
1772.5	12510	10.34	-0.102	215	220.555013	0.027150755	-0.1157	222.4573351	0.034974
	323	10.58	-0.102	235	203.1625037	0.010497575	-0.1157	205.1589802	0.015338
1002.79	1325.79	10.72	-0.104	200	202.1342775	0.011671389	-0.1157	202.8417532	0.014209
524.78	2250.57	10.86	-0.104	204	199.5118894	-0.03474554	-0.1157	197.1141569	-0.032774
860.34	3210.91	11.01	-0.104	197	200.359967	0.017105924	-0.1157	200.6423441	0.019504
1650.39	7371	11.64	-0.104	155	162.6903553	-0.023142755	-0.1157	154.503522	-0.018583
533.48	8304.48	11.78	-0.104	152	154.8757472	0.015802639	-0.1157	155.282551	0.016236
	5172	1.25	-0.165	509			-0.1157		
595	5187	1.55	-0.165	593	885.339241	-0.009120598	-0.1157		
1755.3	7942.3	2.05	-0.165	557	555.5501447	-0.014903743	-0.1157		
1930.9	5923.2	2.56	-0.077	550	513.4217055	-0.023355531	-0.1157	525.4558351	-0.026532
2751.5	12855	3.2	-0.062	540	511.2515562	-0.027163729	-0.1157	533.0147725	0.015266
	230.8	3.44	-0.054	525	513.595204	0.001038484	-0.1157	519.5841148	0.023551
551	811.9	3.56	-0.055	509	515.5577451	0.015074333	-0.1157	500.6901532	-0.014386
850.7	1652.5	3.77	-0.07	508	495.3595523	-0.024625595	-0.1157	501.6393552	0.017524
737.5	2370.1	3.95	-0.072	493	457.1717341	0.003451575	-0.1157	480.0355753	0.01081
1651.9	4222	4.32	-0.075	476	471.5419768	-0.007069523	-0.1157	467.934535	0.013442
575.5	4897.6	4.52	-0.075	452	453.7533371	0.001649129	-0.1157	443.1134377	-0.03375
1948.5	5946.1	5.07	-0.081	445	453.5301113	-0.028402449	-0.1157	434.5587554	0.035176
555.7	7912.9	5.36	-0.033	432	425.8177532	-0.008031524	-0.1157	405.0849725	-0.023402
2920.5	10933.3	6.1	-0.082	415	395.350123	-0.04559726	-0.1157	395.8194592	0.001545
1830.8	12534.1	6.25	-0.081	399	392.3021212	-0.015755594	-0.1157	392.5094225	0.094447
	209.9	6.78	-0.087	359	350.0279552	0.009423845	-0.1157	351.2753524	0.003546
1043.9	1252.8	7.03	-0.051	350	345.4150768	-0.004525495	-0.1157	344.527156	0.013505
722.8	1975.5	7.2	-0.054	340	342.9498253	0.006375957	-0.1157	330.8557582	0.02871
1142.3	3117.9	7.45	-0.097	328	325.4200789	0.001219753	-0.1157	315.2114293	0.026403
1102.4	4222.3	7.77	-0.1	311	317.1559359	0.019502115	-0.1157	301.5039032	0.011768
1001.5	5222.1	8.08	-0.102	298	295.6712115	0.005608392	-0.1157	290.4573593	0.02967
765.7	5993.5	8.33	-0.105	258	285.2144533	0.004213872	-0.1157	275.0593956	-0.029324
555.3	5963.1	8.63	-0.107	280	277.5414291	-0.007705253	-0.1157	264.8452856	-0.015441
1655	5915.1	9.15	-0.103	259	253.1310233	-0.021821921	-0.1157	247.5023319	-0.032222
2915.3	11851.4	9.94	-0.107	255	245.5359412	-0.040551245	-0.1157	225.2115335	0.031517
	323	10.54	-0.105	230	237.4347391	0.023255535	-0.1157	225.9753543	0.00286
1002.79	1325.79	10.8	-0.105	225	224.5905945	-0.00484913	-0.1157	212.6355494	-0.01192
1855.12	3210.91	11.34	-0.105	217	211.57528	-0.02453755	-0.1157	210.7057494	-0.02139
1013.25	4224	11.55	-0.105	211	210.0559351	-0.004270555	-0.1157	197.2117715	-0.032276
1677	5101	12.2	-0.103	204	195.5077955	-0.035557554	-0.1157	187.0701557	0.02846
570	7071	12.52	-0.103	195	166.1337454	0.001702783	-0.1157	183.3055916	-0.033129
1555	5087	13.14	-0.107	189	181.982734	-0.037125133	-0.1157		
	323	0.09	-0.165	521			-0.1157		
1002.79	1325.79	0.41	-0.165	534	557.5823194	-0.02731335	-0.1157		
1655.12	3210.91	0.51	-0.163	555	557.1582328	-0.028552495	-0.1157		
1520.39	5141	1.44	-0.163	540	515.575346	-0.035007072	-0.1157		
1850	7071	3	-0.165	554	555.5357754	-0.034853553	-0.1157		
533.45	8304.48	2.25	-0.165	537	513.955677	-0.004772578	-0.1157		
	4937.5	1.27	-0.165	525			-0.1157		
	202.9	2.45	-0.163	555	481.4515724	-0.034078925	-0.1157		
4015.4	4220.3	4.32	-0.155	527	521.3115195	-0.057017455	-0.1157		
1770.5	5959.5	5.75	-0.151	570	510.7553715	-0.051514227	-0.1157		

1885.12	3213.91	7.57	-0.079	336	375.2957134	-0.014810385	-0.1157	335.4510515	0.001172				
1013.09	4224	7.77	-0.082	376	375.8925513	-0.000225753	-0.1157	375.8445036	0.007888				
917	5141	7.56	-0.084	358	366.5652902	-0.003624211	-0.1157	365.2607287	0.004256				
1933	7071	6.42	-0.036	354	345.1197331	-0.015755335	-0.1157	344.8470034	0.001626	1933.09	372.7256	0.012652	355.5515 -0.003505
533.48	8004.45	6.63	-0.088	347	345.2124115	-0.005151552	-0.1157	347.354145	0.001914				
1829.69	8634.37	9.05	-0.059	339	329.9551817	-0.014565522	-0.1157	334.4089551	-0.001764				
	6889	0.77	-0.165	373									
1904	8752	1.04	-0.165	374	365.9787223	-0.011447037	-0.1157						
759	9551	1.14	-0.165	367	355.5495055	0.005547975	-0.1157						
1135	10697	1.12	-0.112	355	359.1771957	0.011755748	-0.1157						
759	11446	1.46	-0.126	349	345.1004801	0.003152239	-0.1157	345.4770134	0.004244				
	159	1.7	-0.133	337	335.1445925	0.003397307	-0.1157	337.6340036	0.001681				
1723.2	1892.2	1.5	-0.135	328	325.0023252	0.003134223	-0.1157	325.1539737	0.003465				
931.9	2314	2.02	-0.14	320	323.5222936	0.010525137	-0.1157	323.7292087	0.005529				
2045.13	4552.13	2.26	-0.145	307	310.9378322	0.012825515	-0.1157	305.4256274	0.007804				
2445.52	7311.25	2.58	-0.142	295	295.4533384	-0.011528323	-0.1157	293.0806257	-0.019797	2655	322.9552	0.009244	324.3355 0.013545
3825.25	10236.33	3.14	-0.107	290	275.3144174	-0.025812354	-0.1157	275.144326	-0.047776				
	3	3.63	-0.117	277	271.4795444	-0.012705144	-0.1157	273.5035542	-0.016233				
1459.2	1459.2	3.62	-0.115	261	270.7712873	0.037437552	-0.1157	270.5122256	0.00737				
3555.5	5159	4.42	-0.115	251	242.5122341	-0.023221975	-0.1157	243.0145297	-0.031815				
2055	5314	4.62	-0.111	245	237.5533434	-0.030355741	-0.1157	237.5577225	-0.028746				
955	5979	5.04	-0.11	237	240.3524074	0.014145179	-0.1157	240.5572105	0.015555				
951	5942	5.23	-0.109	233	232.2250245	-0.002501752	-0.1157	232.5092512	-0.001677				
2557	12627	6.75	-0.11	214	217.372435	0.015759327	-0.1157	215.7287344	0.022582	1925	235.188	0.013651	235.5135 0.013775
	227	5.55	-0.112	202	205.9375775	0.034344553	-0.1157	205.3434103	0.036354				
3035	3293	6.48	-0.114	189	180.4929559	0.007855714	-0.1157	181.2129441	0.011705				
752	4345	6.6	-0.115	183	165.3045395	-0.034651147	-0.1157	165.4220545	-0.034731				
1120	5155	6.77	-0.115	183	169.1123322	0.033403723	-0.1157	165.2534534	0.034227				
1571	5536	7.05	-0.117	174	175.5552172	0.01705972	-0.1157	177.1515513	0.018113	1572	182.5538	-0.000753	157.5518 -0.002445
2123	5359	7.4	-0.115	159	165.8305513	-0.012657525	-0.1157	167.0155133	-0.011724				
2532	11731	7.55	-0.115	151	157.4754172	-0.021655539	-0.1157	157.6344453	-0.023504				
	1235.5	9.59	-0.117	155	150.0219132	-0.038321075	-0.1157	150.1724597	-0.037356				
551.9	2223.5	9.75	-0.117	145	152.2578354	0.012821555	-0.1157	152.5275142	0.033256				
4919.7	7140.2	9.64	-0.115	133	131.0435155	0.0003332	-0.1157	131.3540255	0.002737				
1825.2	5955.4	10.01	-0.115	127	127.2352552	0.001574797	-0.1157	127.2151572	0.002505				
553.6	5903.2	10.21	-0.115	123	123.5957247	0.003055322	-0.1157	124.0175504	0.009428				
1213.4	11115.5	10.48	-0.115	120	115.055144	-0.00755735	-0.1157	115.1423584	-0.007142				
	233.9	11.01	-0.115	124	112.6235395	-0.054745554	-0.1157	112.7250584	-0.059527	2152.2	122.1483	0.001235	120.0524 0.000435
591	811.9	11.11	-0.115	120	122.5245591	0.021035297	-0.1157	122.5599105	0.021416				
850.7	1552.5	11.26	-0.115	117	117.8545277	0.00735995	-0.1157	117.9120537	0.007549				
2355.5	4222	11.68	-0.114	114	111.2335523	-0.024005351	-0.1157	111.4532031	-0.022077				
575.5	4997.5	11.67	-0.113	111	111.4351597	0.003522951	-0.1157	111.5573295	0.005021	1431.7	122.4555	0.025533	120.3443 0.025554
5948.5	5945.1	12.25	-0.113	108	105.5575354	-0.022615375	-0.1157	105.3549955	-0.015955				
555.7	7912.9	12.5	-0.112	105	105.3190435	0.003034484	-0.1157	105.467329	0.004451				
553.5	5975.3	12.72	-0.112	101	102.2710202	0.012554355	-0.1157	102.4444141	0.014201				
2531.5	11755.1	13.48	-0.111	97	62.21737055	-0.045305455	-0.1157	62.75550502	-0.043725	1930.2	122.5777	0.015551	102.5518 0.015551
	202.3	13.55	-0.11	93	52.55445501	-0.005841312	-0.1157	52.5544745	-0.002353				
1048.9	1252.9	14.04	-0.11	89	51.34505545	0.025451235	-0.1157	51.4750529	0.027844				
1555.1	3117.9	14.33	-0.109	87	55.55255005	-0.015515215	-0.1157	55.25570594	-0.009113				
2154.2	5022.1	14.67	-0.105	85	53.53235555	-0.017235522	-0.1157	53.23479554	-0.013709				
1715	5952.1	14.65	-0.105	82	51.50370734	-0.001174321	-0.1157	52.17553301	0.002144				
1555	5915.1	15.38	-0.105	79	75.15534594	-0.01552532	-0.1157	75.5015859	-0.005305				
2124.3	11239.4	15.57	-0.105	75	74.45555157	-0.015741051	-0.1157	74.52501495	-0.014135				
	323	15.55	-0.107	69	69.57515128	0.014122772	-0.1157	70.54225717	0.022253				
2557.51	3210.91	17.22	-0.107	67	65.30342527	-0.025321595	-0.1157	65.55504543	-0.019511				
3850.05	7071	17.71	-0.105	55	61.55532503	-0.005441559	-0.1157	62.23155195	-0.042591				
1555	5057	18.37	-0.105	53	62.35551231	-0.011755545	-0.1157	62.55552374	-0.005594				
	12533.3	2.55	-0.155	531									
1830.5	12554.1	3.18	-0.155	515	459.9550525	-0.011155235	-0.1157						
	203.9	3.25	-0.152	471	502.2157354	0.005275575	-0.1157						
2914	3117.9	4.25	-0.105	445	424.4151155	-0.054745259	-0.1157						
1872.9	5990.9	4.55	-0.055	434	411.4312205	-0.052001772	-0.1157	414.5575029	-0.044555				
1825.5	5991.5	4.55	-0.071	415	351.5557555	-0.05555174	-0.1157	355.1551571	-0.055515				

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2815.2	7912.8	3.95	-0.143	34.6	323.9075027	-0.04451476	-0.1157	323.8750488	-0.081232	1773.4	331.3762	0.017116	262.7374	0.321755
1949.5	9562.3	4.42	-0.135	33.3	327.5917622	-0.018540554	-0.1157	324.4280105	-0.028751					
	203.9	5.33	-0.125	30.9	359.5332294	-0.03355007	-0.1157	354.5039719	-0.046913					
1045.9	1262.9	5.46	-0.121	30.0	304.3298591	0.01409623	-0.1157	304.0193276	0.013359					
1855.1	3117.9	6.74	-0.13	28.9	359.1118315	0.003347168	-0.1157	350.0062521	0.003482					
1100.4	4220.3	5.62	-0.115	29.2	352.9398031	0.002975042	-0.1157	352.6245351	0.002524					
2739.8	5560.1	6.35	-0.116	27.4	355.572395	-0.027105594	-0.1157	355.5307019	-0.025766					
993.3	7953.4	6.57	-0.115	25.7	355.1595412	0.004342851	-0.1157	355.3351549	0.005032					
981.7	8915.1	6.76	-0.114	25.1	350.9951526	-1.47488605	-0.1157	351.3293242	0.008979					
2816.3	11831.4	7.41	-0.112	24.6	341.432796	-0.018443919	-0.1157	342.359075	-0.014801	1955	232.4887	0.005704	262.1256	0.304328
	323	7.51	-0.115	21.9	331.709829	0.052854537	-0.1157	332.4563552	0.056451					
1003.79	1325.79	8.06	-0.115	21.3	314.1007433	0.005351591	-0.1157	314.3717456	0.005971					
4779.21	5121	8.76	-0.116	20.2	155.979998	-0.030257059	-0.1157	155.3879748	-0.027752					
2955	9057	9.24	-0.116	19.4	191.4071237	-0.013255342	-0.1157	191.7250521	-0.011121					
							-0.1157							
	323	0.05	-0.153	52.6			-0.1157							
6749	7071	1.07	-0.153	50.6			-0.1157							
533.48	5304.49	1.34	-0.153	51.7			-0.1157							
							-0.1157							
	323	0.05	-0.153	55.2			-0.1157							
2697.51	3210.91	0.83	-0.153	57.4	513.7443057	-0.104574282	-0.1157							
1920.09	5141	1.25	-0.153	55.7	529.5511558	-0.028115482	-0.1157							
3525	9057	2.48	-0.153	57.0	512.1240197	-0.101523589	-0.1157							
							-0.1157							
	323	0.05	-0.153	55.4			-0.1157							
1527.57	2250.57	0.39	-0.153	55.6	512.5430322	-0.0257445979	-0.1157							
1573.43	4224	0.71	-0.153	59.3	545.7574912	-0.0572842	-0.1157							
917	5141	0.85	-0.153	59.9	570.5732384	-0.047457355	-0.1157							
1830	7071	1.25	-0.153	51.5	570.9955539	-0.071551752	-0.1157							
							-0.1157							
	323	0.02	-0.153	54.2			-0.1157							
3901	4224	0.45	-0.153	55.2	510.5215948	-0.07751353	-0.1157							
917	5141	0.55	-0.153	57.5	550.3405904	-0.058373525	-0.1157							
1930	7071	0.82	-0.153	58.3	557.3242523	0.009455993	-0.1157							
923.45	5304.48	0.55	-0.153	53.4	543.1452071	0.012552052	-0.1157							
1052.52	9057	1.11	-0.15	51.4	522.7151152	0.014195555	-0.1157							
							-0.1157							
	323	2.37	-0.153	42.9			-0.1157							
2600.7	2863.7	2.749	-0.153	42.6	407.1057771	-0.004531352	-0.1157							
1819	4891.7	2.554	-0.153	39.9	357.1786936	-0.000091202	-0.1157							
3638.5	8320.5	3.455	-0.154	39.9	375.2825552	-0.03377534	-0.1157							
1601.7	8922.2	3.658	-0.097	37.7	375.2325581	0.002369395	-0.1157	351.1195393	0.013527					
	226.3	3.515	-0.11	35.2	371.7559526	0.055127735	-0.1157	371.1519318	0.050176					
1500.4	2127.3	4.056	-0.127	33.7	342.3316154	0.01493351	-0.1157	342.8287525	0.017256					
4844.291	5971.591	4.571	-0.125	32.6	315.8149121	-0.034102877	-0.1157	315.5237795	-0.027732					
173.9	5109	5.109	-0.122	31.0	307.5433295	-0.007535714	-0.1157	305.5573435	-0.01075					
519.9	1293.9	5.27	-0.122	30.2	304.3529717	0.005597257	-0.1157	303.5703935	0.008234					
873.9	1867.7	5.42	-0.122	29.6	355.5259795	0.005511795	-0.1157	355.5235613	0.005165					
2852.8	4860.5	5.82	-0.119	28.8	280.5715263	-0.024750975	-0.1157	280.507358	-0.02557	1793.9	298.4552	0.011723	258.5719	0.312447
1542.2	5592.7	6.08	-0.118	28.0	275.5392751	-0.001752555	-0.1157	275.5551545	-0.001578					
	1133.99	6.65	-0.111	25.9	255.3405151	-0.05153257	-0.1157	255.3792255	-0.050335					
2517.72	4051.5	7.21	-0.107	25.0	257.9535557	-0.007834401	-0.1157	255.7497503	-0.004809					
3854.7	7855.3	7.55	-0.104	24.9	348.7351333	-0.015553225	-0.1157	345.5075553	-0.012223					
	2162	8.3	-0.059	24.5	332.1055285	-0.052591545	-0.1157	334.74727	-0.041548					
2759	5930	9.51	-0.054	23.6	230.4905504	-0.031551007	-0.1157	232.5570419	-0.021273					
559	5599	9.53	-0.035	24.7	234.5355035	-0.050178995	-0.1157	235.3334445	-0.047045					
1027	7915	10.4	-0.037	24.0	340.7509555	0.015704452	-0.1157	344.5535352	0.01514					
1835	9551	9.19	-0.035	23.5	233.7292553	0.011713542	-0.1157	235.5353477	0.015558	1855	232.9397	-0.025545	231.537	-0.025263
159	159	9.41	-0.057	21.3	225.5442533	0.053455027	-0.1157	225.5330513	0.007355					
859	1015	9.52	-0.057	21.9	205.5523157	-0.041257555	-0.1157	210.7575475	-0.037459					
1795	2514	9.77	-0.057	21.0	212.7980789	0.019324155	-0.1157	214.4745597	0.021305					
2305.2	5419.2	10.05	-0.057	21.4	200.0782521	-0.051035395	-0.1157	204.5452551	-0.042307	2555	235.4322	-0.015529	204.0154	-0.025434
540.99	5550.19	10.15	-0.055	20.9	211.4559301	0.011740144	-0.1157	212.1452754	0.015054					
	0	10.75	-0.055	20.0	152.5565505	-0.032055747	-0.1157	157.5074535	-0.010953					
9747	1175	11.75	-0.052	19.4	152.1511515	-0.05551054	-0.1157	151.557175	-0.011257					

3065	3293	12.15	-0.037	151	154.3921532	0.021058523	-0.1157	157.4550335	0.34028
752	4345	12.32	-0.025	154	155.5142709	-0.033450797	-0.1157	159.1593486	-0.329333
1120	5155	12.52	-0.025	155	156.1204693	0.025415227	-0.1157	159.2033234	0.333355
527	5972	12.65	-0.035	151	153.4375345	0.01594334	-0.1157	154.1332215	0.323746
1957	7523	12.55	-0.037	145	145.3254654	0.00234461	-0.1157	145.901133	0.313111
1935	8954	14.25	-0.057	141	139.8954317	-0.00750474	-0.1157	141.2544635	0.301876
1174	11339	14.42	-0.057	137	138.4909375	0.010252755	-0.1157	135.1719045	0.315553
	377.3	14.72	-0.055	151	152.3259144	-0.07059912	-0.1157	153.5537255	-0.173259
1843.2	2222.5	14.94	-0.035	152	155.5155543	0.01691344	-0.1157	157.5825154	0.339359
584.7	3235.2	15.05	-0.034	147	145.8322775	0.015257195	-0.1157	150.4574932	0.322552
1555.5	5172	15.25	-0.034	141	143.1794293	0.015455538	-0.1157	144.2053571	0.333464
1555.2	7140.2	15.47	-0.034	135	137.5294275	0.013451575	-0.1157	138.7575227	0.323245
802.1	7942.3	15.55	-0.034	132	134.7035797	0.020463957	-0.1157	135.0591435	0.323403
1550.9	9903.2	15.74	-0.034	127	125.0318045	0.015555483	-0.1157	125.5120025	0.322513
	233.9	15.94	-0.034	124	122.5203435	-0.011522713	-0.1157	123.8355584	-0.301254
1451.7	1552.5	15.24	-0.035	119	121.0555519	0.017357155	-0.1157	121.5342012	0.324557
5250.3	7912.5	17.04	-0.034	115	105.1331555	-0.055517231	-0.1157	111.1745554	-0.057922
1545.5	9552.3	17.24	-0.034	120	115.2055251	-0.055555599	-0.1157	115.0341553	-0.3455
	203.9	17.55	-0.034	113	117.5555034	0.040317752	-0.1157	115.5541753	0.351555
1771.7	1575.5	17.81	-0.034	109	105.5375754	0.004553249	-0.1157	110.5555345	0.314201
5977.5	7953.4	19.71	-0.034	105	97.55752575	-0.075715597	-0.1157	101.0533535	-0.345572
551.7	9915.1	19.54	-0.032	110	104.3533014	-0.0551242715	-0.1157	104.5457771	-0.345525
	323	19.37	-0.032	101	105.235244	0.022180532	-0.1157	105.3355555	0.342235
3521	4224	19.54	-0.032	99	54.33572175	-0.04705352	-0.1157	55.33255531	-0.32534
	227	0.05	-0.155	750			-0.1157		
3065	3293	0.55	-0.155	755	752.5151571	-0.025547434	-0.1157		
752	4345	0.53	-0.155	757	741.5543491	-0.032151735	-0.1157		
1927	5972	1.23	-0.155	722	731.1413454	0.012551145	-0.1157		
1957	7523	1.51	-0.155	693	655.5945115	0.005577555	-0.1157		
1330	5959	1.51	-0.155	545	559.772182	0.035403454	-0.1157		
305	8954	1.55	-0.17	532	531.2515427	-0.001154275	-0.1157	525.7571522	-0.33983
1927	11731	2.33	-0.154	517	505.7952345	-0.015555523	-0.1157	505.5352551	-0.333215
5504235	12751.43	2.5	-0.145	502	504.5715451	0.0042171575	-0.1157	501.0555534	-0.301557
	377.3	2.57	-0.105	559	559.5735595	-0.115275457	-0.1157	557.0425327	-0.122507
1843.2	2222.5	2.55	-0.055	519	543.5551545	0.041543357	-0.1157	545.2743215	0.345575
584.7	3235.2	2.15	-0.054	595	505.5514055	0.012527753	-0.1157	507.5952935	0.315735
1555.5	5172	3.45	-0.057	553	574.5355575	0.021025155	-0.1157	575.7347753	0.325724
1555.2	7140.2	3.8	-0.104	531	542.4915145	0.021541459	-0.1157	545.2225515	0.325555
802.1	7942.3	3.52	-0.11	515	523.4272335	0.015355551	-0.1157	524.4143232	0.315525
1550.9	9903.2	4.2	-0.115	483	453.0253103	0.020541357	-0.1157	455.3797551	0.323215
	233.9	4.52	-0.115	471	450.7517551	-0.021755452	-0.1157	451.5707773	-0.322502
551	511.5	4.75	-0.121	452	455.3557354	0.025555553	-0.1157	455.425173	0.325705
7101	7912.5	5.55	-0.115	435	352.5125553	-0.10454153	-0.1157	351.415455	-0.135357
	203.9	5.55	-0.114	359	401.7153327	0.037522022	-0.1157	403.0455027	0.341248
1771.7	1575.5	5.55	-0.114	373	371.5335352	0.002503051	-0.1157	374.5375553	0.334351
1245.5	5222.1	7.54	-0.112	255	245.5155475	-0.044327551	-0.1157	245.5315454	-0.341252
5503.3	11531.4	8.55	-0.105	351	321.5907957	-0.032532157	-0.1157	324.5035545	-0.375455
	323	8.57	-0.104	335	335.4355423	0.0102210542	-0.1157	340.7354232	0.314252
2557.51	3245.31	9.35	-0.101	325	315.5554255	-0.023025553	-0.1157	315.3054255	-0.325525
1530.09	5141	9.55	-0.055	319	313.7450245	-0.015455755	-0.1157	315.5221273	-0.312555
1520	7271	10	-0.033	309	307.012023	-0.005433391	-0.1157	305.0525537	-0.330217
1555	8257	10.32	-0.037	300	257.0321153	-0.005552537	-0.1157	255.1557533	-0.322777
	377.3	0.05	-0.155	545			-0.1157		
1827.5	3235.2	0.45	-0.155	520	515.4404453	-0.005741217	-0.1157		
1555.5	5172	0.51	-0.155	535	535.7025355	0.001157531	-0.1157		
3	5172	0.51	-0.155	535	535		-0.1157		
2770.3	7942.3	1.25	-0.155	572	555.4221754	-0.011455552	-0.1157		
1550.9	9903.2	1.55	-0.055	559	551.3239299	-0.012537371	-0.1157		
	233.9	3.57	-0.041	521	415.4157155	-0.155555513	-0.1157	451.7775514	-0.132555
4015.4	4223.3	4.45	-0.04	503	450.1455705	-0.025145524	-0.1157	510.2155552	0.304255
	323	5.55	-0.047	455	420.5455533	-0.051515715	-0.1157	420.7153215	0.355524
4515	5141	5.47	-0.045	442	422.5511573	-0.043074237	-0.1157	442.1433735	0.303215
1521.45	5775.45	5.55	-0.051	431	471.5403215	-0.03155513	-0.1157	471.5403215	0.305511

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	1137.6	2.72	-0.128	426	414.0185338	0.022273453	-0.1157	413.5545173	0.0222209		
1075.4	4214	2.972	-0.148	391	392.8558322	0.000027734	-0.1157	391.1578231	0.000404		
5659.4	7873.4	3.263	-0.142	381	375.7113986	-0.011254702	-0.1157	373.6432854	-0.019305		
2630.8	10564.2	3.518	-0.148	350	285.5452402	0.022517334	-0.1157	287.4527791	0.022667		
	173.9	3.716	-0.133	378	352.4107515	-0.062317959	-0.1157	350.7845414	-0.064527		
1793.8	1887.7	2.63	-0.129	333	335.9175537	0.019055595	-0.1157	338.3571256	0.017513		
5777.45	7745.15	4.22	-0.121	352	343.5542867	-0.022828731	-0.1157	342.5275341	-0.022551		
	1133.39	4.75	-0.114	333	331.5538447	-0.016823341	-0.1157	331.2354287	-0.019742		
2517.72	4051.6	5	-0.11	330	319.216284	-0.002377827	-0.1157	329.6253789	-0.031126		
2572.8	8824.4	5.29	-0.107	322	320.2713455	-0.005289424	-0.1157	321.0488452	-0.022955		
1853.2	5777.5	5.44	-0.105	314	314.7594325	0.002416479	-0.1157	315.5155341	0.004464		
2682.2	11439.8	5.74	-0.105	321	302.9043141	0.000293307	-0.1157	304.1715551	0.013539		
	219	5.64	-0.104	328	297.418508	-0.034355434	-0.1157	297.6262506	-0.033032		
945	1155	5.91	-0.104	295	305.4320495	0.035355101	-0.1157	305.755502	0.036455		
957	2162	5.56	-0.103	321	292.5385218	-0.025111223	-0.1157	292.6601893	-0.027043		
3759	5933	6.26	-0.102	289	281.378271	-0.008555754	-0.1157	282.443142	-0.001901	1843	329.546 0.006455 302.8815 0.006251
958	8889	6.34	-0.1	321	280.2276232	-0.035555072	-0.1157	280.5155482	-0.034455		
1027	7515	6.42	-0.101	280	258.131503	0.064754932	-0.1157	258.5015054	0.065434		
877	8752	6.51	-0.1	283	278.5997433	-0.031459435	-0.1157	277.455333	-0.029918	1365	258.257 0.025465 257.4419 0.025578
1695	12687	6.69	-0.101	272	275.5357547	0.026087822	-0.1157	260.856553	0.032713		
759	11446	6.77	-0.102	254	255.4377595	0.020463937	-0.1157	259.5110551	0.022242		
	1218	6.57	-0.102	270	257.7545322	-0.045522251	-0.1157	258.5559515	-0.041567		
1795	2514	7.1	-0.102	251	255.8312505	0.018509773	-0.1157	255.4434322	0.022856		
859	3592	7.17	-0.101	284	258.5222175	0.018555109	-0.1157	259.143297	0.023248		
7659.89	11371.89	7.66	-0.101	244	231.6543548	-0.045535529	-0.1157	236.5747598	-0.033431	2564	254.5478 0.041527 263.513 0.037546
	0	5.02	-0.104	230	239.1713772	0.040745118	-0.1157	240.0115528	0.04353		
3243	3243	8.25	-0.105	222	222.5554553	0.003037594	-0.1157	223.5214331	0.007345		
530	4223	8.29	-0.107	215	215.5555039	0.015545515	-0.1157	215.555228	0.015541		
1910	5113	8.57	-0.105	200	211.3955427	0.046514372	-0.1157	211.8795454	0.044505		
1921	5314	8.75	-0.112	184	197.5942503	0.019042579	-0.1157	198.0753554	0.021027		
1925	5940	9.56	-0.114	185	185.1542028	0.022517313	-0.1157	185.4503512	0.024272		
	227	9.41	-0.112	213	175.2955034	-0.177001550	-0.1157	175.7455215	-0.174986		
573	1225	9.5	-0.112	204	210.7175559	0.03252974	-0.1157	210.5537448	0.033546		
2540	4345	9.75	-0.112	159	197.7455521	0.046253424	-0.1157	195.1451755	0.046357		
1927	5972	9.55	-0.112	155	184.5293735	-0.002545555	-0.1157	184.5134543	-0.001208		
2557	5959	12.22	-0.112	175	175.0477593	0.017415758	-0.1157	173.4573293	0.019525		
525	5554	12.35	-0.114	183	172.7105785	0.055575942	-0.1157	172.8572255	0.053474		
1174	11338	12.54	-0.114	158	160.2994523	-0.047027055	-0.1157	160.2153552	-0.045212		
1743.429	12751.43	12.75	-0.115	151	153.2423515	0.013527714	-0.1157	153.4555333	0.015316	2379	159.9775 0.011771 165.5375 0.029747
	377.3	12.52	-0.113	159	155.244431	-0.162324534	-0.1157	156.4255549	-0.161753		
1843.2	2225.5	11.11	-0.111	184	154.7520841	0.004075544	-0.1157	154.5554207	0.005355		
554.7	2225.2	11.21	-0.11	173	151.5105454	0.005025509	-0.1157	151.5555535	0.051542		
1555.5	5172	11.44	-0.11	154	155.3021025	0.026222333	-0.1157	155.5753235	0.029524		
1988.2	7142.2	11.68	-0.11	155	155.355533	0.028510505	-0.1157	159.7270511	0.023891		
2793	5935.2	12.02	-0.11	145	145.7755736	0.022555559	-0.1157	150.2733557	0.026358		
2113.4	11115.5	12.19	-0.111	141	142.0792123	0.007562595	-0.1157	142.3115552	0.009317		
	250.9	12.53	-0.11	152	135.1757543	-0.105551257	-0.1157	135.7775223	-0.105725		
2155.3	2373.1	12.71	-0.105	149	148.7530375	-0.006104457	-0.1157	149.0155994	0.003134		
2527.5	4997.5	12.95	-0.105	149	144.0555782	-0.006251811	-0.1157	144.5212133	-0.005322		
4884.7	5552.3	13.55	-0.105	138	135.4557531	-0.025534851	-0.1157	136.2555029	-0.015574		
2501.5	12564.1	13.55	-0.107	134	132.5014555	-0.018152555	-0.1157	133.1253555	-0.025544		
	253.9	14.07	-0.105	128	132.147197	0.025171992	-0.1157	132.4322554	0.025525		
1771.7	1875.5	14.22	-0.105	125	125.7044747	0.013537598	-0.1157	126.5551202	0.015721		
2244.7	4220.3	14.41	-0.105	122	122.1550331	0.004550394	-0.1157	122.5075519	0.004161		
2732.1	7953.4	14.75	-0.105	125	115.594397	-0.07147134	-0.1157	117.5557323	-0.073701		
1829	2551.4	14.55	-0.105	123	123.0185504	0.005157554	-0.1157	123.2515595	0.003102		
	329	15.48	-0.104	114	115.5773303	0.015527551	-0.1157	116.4540455	0.021515		
4515	5141	15.52	-0.104	112	103.5732314	-0.025735541	-0.1157	105.3545352	-0.023517		
2563.48	5054.48	15.15	-0.103	105	105.5054171	0.002855714	-0.1157	104.755559	0.007274		
1629.89	5534.37	15.25	-0.102	110	105.5714755	-0.040255103	-0.1157	105.5055559	-0.037205		
	5552.3	15.1	-0.155	530			-0.1157				
	7912.9	2.15	-0.155	517	455.1543122	-0.005355131	-0.1157				
1549.5	5552.3	2.77	-0.155	530	451.7473925	-0.035555234	-0.1157				
1552.5	11750.1	3.75	-0.155	375	371.1555755	-0.015555555	-0.1157				

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2124.3	11033.4	6.51	-0.078	358	337.0356315	-0.053273629	-0.1157	346.646663	-0.339077				
792	11631.4	7.13	-0.078	351	346.7474685	-0.010115502	-0.1157	349.9431663	-0.333331				
575.5	12810	7.33	-0.075	359	340.6513302	0.007846347	-0.1157	344.2218322	0.319406				
	323	7.62	-0.064	332	327.2528151	0.05151137	-0.1157	330.535235	0.395295	1770.6	343.1854	0.316341	335.5248 -0.334365
1927.57	2253.67	8.24	-0.067	293	281.4376621	-0.039664635	-0.1157	287.3977134	-0.01912				
1973.43	4224	8.67	-0.055	279	271.7171429	-0.025103431	-0.1157	277.3726442	-0.005932				
917	5141	9.1	-0.05	269	271.4236222	0.005009749	-0.1157	273.3459265	0.31616				
950	5121	9.34	-0.051	257	261.3821162	0.017051332	-0.1157	261.2519029	0.324326				
1603.48	6304.49	9.97	-0.053	253	258.3321314	-0.046671699	-0.1157	243.3749331	-0.0305	1977	297.5703	0.341125	263.7371 0.326214
1062.52	9367	10.39	-0.054	241	258.653245	-0.006783216	-0.1157	241.2192916	0.301325				
							-0.1157						
	5945.1	1.9	-0.155	599			-0.1157						
2515.2	9562.3	2.7	-0.155	593	544.3005621	-0.035373925	-0.1157						
971	10933.3	2.94	-0.155	559	555.4898931	-0.002555892	-0.1157						
524.9	11758.1	3.15	-0.053	544	551.2375187	0.015953733	-0.1157						
	233.9	3.67	-0.032	523	517.3456511	-0.005662236	-0.1157	525.0427629	0.311654				
1771.7	1975.5	4.11	-0.051	509	490.2537257	-0.026009967	-0.1157	500.346832	-0.3137				
1142.3	3117.9	4.44	-0.052	493	489.2359172	-0.007533556	-0.1157	455.574659	0.305232				
11302.4	4223.3	4.76	-0.052	481	474.4732184	-0.013589193	-0.1157	460.2313237	-0.001557	2914	486.555	-0.012153	471.2753 -0.344266
1770.5	5990.9	5.27	-0.031	465	452.5147096	-0.025552357	-0.1157	461.2993309	-0.287996				
559.5	5962.1	5.55	-0.03	455	443.5733189	-0.013974257	-0.1157	454.5724945	-0.33313	2972.9	450.5628	-0.339542	445.3745 -0.340055
553.3	7963.4	5.66	-0.075	444	435.3593305	-0.010354459	-0.1157	444.832277	0.30387				
981.7	5915.1	6.15	-0.03	431	423.5519375	-0.004584055	-0.1157	433.943595	0.33683	1952.5	443.3003	-0.331676	433.2931 -0.324115
2124.3	11033.4	6.76	-0.051	407	400.5511488	-0.015599145	-0.1157	410.4721531	0.308531				
1770.5	12810	7.2	-0.032	391	385.1156263	-0.012483797	-0.1157	352.749964	0.004476				
	323	7.5	-0.03	380	377.2353302	-0.007348574	-0.1157	381.4857448	0.303944				
1003.79	1325.79	7.75	-0.054	355	367.0553322	0.002825913	-0.1157	370.5625014	0.313555				
524.75	2253.67	8.05	-0.035	357	354.7847734	-0.003025117	-0.1157	353.0532164	0.303262				
1973.43	4224	9.61	-0.055	339	331.6540334	-0.015175921	-0.1157	340.4045957	0.304144	1927.57	363.343	0.316927	355.7384 -0.333954
1877	5121	9.06	-0.058	321	321.2225463	0.000554225	-0.1157	325.1313151	0.315945				
570	7371	9.31	-0.055	312	311.5355306	-0.001481595	-0.1157	314.0151155	0.303659				
1695	9367	9.66	-0.055	300	292.1210257	-0.020251249	-0.1157	297.0555569	-0.009682				
							-0.1157						
	233.9	0.04	-0.155	554			-0.1157						
1771.7	1975.5	0.25	-0.155	559	511.2596369	-0.055309945	-0.1157						
2244.7	4223.3	0.65	-0.155	553	507.5724413	-0.077405751	-0.1157						
2739.8	5962.1	1.42	-0.155	504	545.2313557	-0.037346749	-0.1157						
4075.3	11033.4	2.42	-0.155	557	535.2196364	-0.028211553	-0.1157						
	323	3.2	-0.155	544	525.3152465	-0.015354532	-0.1157						
1003.79	1325.79	3.39	-0.055	532	531.7574378	-0.005427147	-0.1157						
3315.21	5141	4.07	-0.057	510	460.4125015	-0.038425271	-0.1157	503.5975657	-0.301965				
950	5121	4.23	-0.032	521	500.3254135	-0.035652496	-0.1157	504.5519535	-0.031551				
970	7371	4.41	-0.053	503	505.5945221	0.013703952	-0.1157	515.2179635	0.32425				
533.48	5304.49	4.55	-0.055	490	492.2782516	0.004649555	-0.1157	497.2291999	0.314596	1930	499.5135	-0.302515	495.5637 -0.322515
1625.99	9334.37	4.97	-0.059	472	465.2111632	-0.005027203	-0.1157	477.5535263	0.312423				
							-0.1157						
	233.9	0.03	-0.155	533			-0.1157						
4013.4	4223.3	0.53	-0.155	545	455.2103787	-0.034018234	-0.1157						
1770.5	5990.9	0.75	-0.155	599	525.9324342	-0.032833311	-0.1157						
1552.6	7963.4	1.07	-0.155	579	545.7235504	-0.057472059	-0.1157						
1905	9681.4	1.35	-0.155	550	537.2413656	-0.055231039	-0.1157						
1950	11831.4	1.77	-0.155	503	552.7544692	-0.065037234	-0.1157						
	323	2.22	-0.155	553	571.5786311	0.014852222	-0.1157						
7551.48	5334.49	2.18	-0.155	575	501.5933028	-0.127159473	-0.1157						
							-0.1157						
	323	0.08	-0.155	597			-0.1157						
4519	5141	1.55	-0.155	514	501.5755153	-0.182615159	-0.1157						
1930	7371	2.15	-0.155	597	527.3593795	-0.045648232	-0.1157						
1995	9367	2.75	-0.155	591	555.2924323	-0.042535934	-0.1157						
							-0.1157						
	323	0.05	-0.155	598			-0.1157						
1927.57	2253.67	0.67	-0.155	532	557.5915422	-0.11723335	-0.1157						
1573.43	4224	1.23	-0.155	547	551.9920543	-0.057284754	-0.1157						
4843	9367	2.65	-0.155	525	552.4355992	-0.117513225	-0.1157						

1827.57	323	0.04	-0.165	537	816.2041223	-0.036660421	-0.1157			
1573.43	4224	0.83	-0.165	535	828.9591361	-0.071855871	-0.1157			
917	5141	0.77	-0.165	705	873.5184194	-0.044515717	-0.1157			
953	5131	0.53	-0.165	680	881.8253152	0.002355978	-0.1157			
1503.46	5324.48	5.28	-0.165	717	881.8896224	-0.077141351	-0.1157			
1629.59	5534.37	5.62	-0.165	733	888.4053532	-0.060335535	-0.1157			
	333.9	0.07	-0.165	553						
5677.5	9891.4	2.59	-0.165	527	389.8780514	-0.0380153481	-0.1157			
1950	11531.4	3.45	-0.165	510	496.3943513	-0.025697331	-0.1157			
	323	4.1	-0.032	474	474.0583537	0.000155421	-0.1157			
1827.57	2250.57	4.72	-0.038	459	440.0951922	-0.041154756	-0.1157			454.6555154 0.012353
1573.43	4224	6.55	-0.042	444	425.5592793	-0.041307932	-0.1157			448.1420285 0.029326
917	5141	5.6	-0.045	430	430.9101335	0.002116591	-0.1157			439.5625501 0.021773
1923	7371	6.13	-0.045	417	403.5576813	-0.032241796	-0.1157			415.5433634 0.006235
1995	9367	6.69	-0.054	390	389.9535155	-0.25132506	-0.1157			405.7132847 0.04025
	233.9	0.05	-0.165	579						
2914	5117.9	0.75	-0.165	714	623.6779488	-0.126601472	-0.1157			
1921.5	11039.4	2.85	-0.165	732	559.3324734	-0.041350354	-0.1157			
	323	3.65	-0.165	575	559.9519455	-0.019404525	-0.1157			
3801	4224	4.57	-0.165	359	504.5132847	-0.022528492	-0.1157			
917	5141	4.75	-0.051	544	542.5411842	-0.002109952	-0.1157			
3825	9367	5.73	-0.054	523	574.777912	-0.077403051	-0.1157			607.7409524 -0.024453
	3243	0.54	-0.165	514						
950	4223	0.65	-0.165	587	503.0742116	0.027355326	-0.1157			
1910	6113	0.59	-0.165	585	555.2948145	0.000220977	-0.1157			
2855	5979	1.47	-0.115	545	534.3956025	-0.015455958	-0.1157			
2739	11719	2.01	-0.115	510	509.5550762	-0.000656715	-0.1157			505.8549031 -0.003268
939	12527	2.25	-0.122	455	456.7443552	0.002103551	-0.1157			457.2555551 0.023166
	227	2.46	-0.055	532	473.9355936	-0.105751729	-0.1157			473.7355279 -0.105214
3055	3293	3	-0.05	535	495.5055735	-0.019155952	-0.1157			503.4559237 -0.002977
5559	5955	3.87	-0.053	491	445.5438742	-0.034234258	-0.1157			457.2939155 -0.046251
925	9554	4.17	-0.05	475	475.3552457	0.007111441	-0.1157			484.5522124 0.015527
	377.3	5.04	-0.055	411	425.523517	0.043505774	-0.1157			451.7501735 0.039246
551.3	1238.6	5.21	-0.07	421	402.7213325	-0.043417551	-0.1157			405.2071351 -0.035137
551.9	2223.5	5.39	-0.073	405	412.0251554	0.017345534	-0.1157			415.7253791 0.025491
2551.5	5172	5.56	-0.074	390	375.2555527	-0.030025558	-0.1157			383.4537442 -0.033562
1969.2	7142.2	6.36	-0.075	372	371.7557553	0.004775098	-0.1157			373.5251775 0.023211
1629.2	5955.4	6.74	-0.075	359	351.5470028	-0.012457552	-0.1157			355.4572252 0.024055
2150.2	11116.6	7.15	-0.051	335	340.5545375	0.014445237	-0.1157			345.732231 0.031941
753.5	11583.2	7.32	-0.051	347	335.2315323	-0.051205284	-0.1157			331.4045553 -0.044942
754.5	12555	7.45	-0.05	343	340.0102553	-0.005715457	-0.1157			342.2545574 -0.002173
	233.9	7.69	-0.051	329	334.5553391	0.00059415	-0.1157			337.5555735 0.025133
531	311.9	7.75	-0.052	315	324.0972445	0.015173725	-0.1157			325.355591 0.023125
2412.4	5224.2	8.23	-0.054	301	301.5945958	0.002275704	-0.1157			309.7512725 0.019504
757.5	4322	8.39	-0.055	292	255.5437744	0.012475879	-0.1157			257.2311933 0.017915
975.5	4397.5	8.57	-0.057	255	255.4339924	0.00152275	-0.1157			257.2574559 0.007956
555.3	5552.9	9.75	-0.055	275	277.5927591	0.005425251	-0.1157			275.5559719 0.015715
553.2	5945.1	9.02	-0.05	257	257.2121395	0.000754755	-0.1157			255.15525 0.008155
1520.2	5875.3	9.45	-0.051	250	255.5245259	-0.024555427	-0.1157			255.5544571 -0.017235
555	5552.3	9.55	-0.052	251	252.5555752	0.007727595	-0.1157			254.5147532 0.014401
571	10533.3	9.54	-0.053	242	245.5000352	0.015003409	-0.1157			245.2525534 0.020254
	203.9	19.57	-0.055	225	222.5559429	-0.010315597	-0.1157			225.342435 0.005555
1045.9	1252.9	19.73	-0.055	217	220.7315327	0.017157245	-0.1157			221.5055535 0.021235
722.5	1575.5	19.55	-0.055	209	215.7555314	0.025470294	-0.1157			214.5145339 0.025255
2244.7	4223.3	19.27	-0.055	204	155.7524541	-0.025723117	-0.1157			200.5721594 -0.015523
1770.5	5950.5	19.62	-0.1	195	155.3555453	-0.012151755	-0.1157			155.5574755 -0.03577
555.3	5952.1	19.54	-0.1	194	152.0545031	-0.004715955	-0.1157			153.5555555 -0.003551
551.3	7553.4	12.07	-0.101	153	155.7115375	-0.001415545	-0.1157			155.5555219 0.003115
551.7	5915.1	12.3	-0.102	153	153.557515	0.004741355	-0.1157			154.5501327 0.003972
2124.3	11039.4	12.55	-0.102	175	171.540217	-0.00547524	-0.1157			172.0153534 -0.015553
	173	12.55	-0.102	153	153.557515	0.004741355	-0.1157			154.5501327 0.003972

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527	5972	3.47	-0.141	358	374.6554026	-0.018120859	-0.1157	373.3435748	0.014521		
2897	8959	3.57	-0.158	352	348.8213377	-0.018280291	-0.1157	342.9494091	-0.025732		
905	3964	4.37	-0.132	335	343.5731996	-0.022835594	-0.1157	342.8549392	0.019508		
1174	11039	4.43	-0.126	355	325.7042542	-0.025810397	-0.1157	324.4129771	-0.058733		
753	11781	4.58	-0.123	333	349.3883621	0.031480236	-0.1157	349.3347847	0.030466		
	377.3	5.03	-0.128	298	321.6927775	0.0297813425	-0.1157	321.6391913	0.056271		
1843.2	2223.5	5.36	-0.128	293	293.3552593	0.0303022114	-0.1157	293.2330447	0.003613		
954.7	3226.2	5.55	-0.131	271	275.3353593	0.020799411	-0.1157	275.2004578	0.01516		
1955.9	5172	5.94	-0.129	280	288.5398835	-0.078265927	-0.1157	287.8223436	-0.082345		
595	5187	6.13	-0.128	268	375.7038283	0.021282842	-0.1157	373.2208237	0.01548		
1765.5	7942.3	6.5	-0.129	251	255.3595693	-0.017654547	-0.1157	255.5033888	-0.020677		
1024.1	5955.4	6.7	-0.127	242	254.8255693	0.025959415	-0.1157	254.8244591	0.051673		
2913.5	11652.2	7.26	-0.126	238	229.3095957	-0.041055935	-0.1157	229.2677293	-0.044871		
724.3	12555	7.44	-0.124	242	230.5599315	-0.045552447	-0.1157	232.7279538	-0.045562		
	233.9	7.63	-0.124	218	238.5583087	0.035129857	-0.1157	235.3551195	0.084244		
531	911.9	7.74	-0.125	211	215.1484036	0.019593725	-0.1157	215.0469575	0.019175		
1559.3	2370.1	8	-0.125	208	204.5343512	-0.022271252	-0.1157	204.2577569	-0.003545		
854.1	3224.2	8.16	-0.127	195	201.311139	0.013713131	-0.1157	202.9055631	0.014619		
1773.4	4997.5	8.45	-0.128	191	150.5301239	-0.023801254	-0.1157	159.8733545	-0.005595		
555.3	5552.3	8.7	-0.128	155	155.858674	0.006803549	-0.1157	155.9243079	0.028505		
2535.4	5876.3	9.26	-0.128	179	170.5470441	-0.04453555	-0.1157	170.6131555	-0.062206		
585	9552.3	9.6	-0.127	173	173.6308499	0.008363535	-0.1157	173.8547245	0.003338		
2801.5	12554.1	10.28	-0.128	154	155.4753135	-0.027558271	-0.1157	155.5555545	-0.032295		
	203.9	10.47	-0.127	150	150.5122423	0.058746282	-0.1157	150.1234533	0.05747		
1048.9	1252.9	10.62	-0.127	148	147.1545351	0.007507775	-0.1157	145.552759	0.006731		
2987.5	4223.3	11.14	-0.127	139	137.2513372	-0.015545517	-0.1157	135.54332	-0.015516		
1773.5	5990.9	11.48	-0.127	135	135.4555459	-0.015701681	-0.1157	133.1257184	-0.021134		
552.3	3952.1	11.67	-0.127	132	132.8416595	0.007152299	-0.1157	132.7575593	0.005735		
1955	5915.1	12.05	-0.127	127	125.8276547	-0.014591459	-0.1157	125.1430359	-0.014517		
555.3	3551.4	12.18	-0.127	125	123.5992339	0.013528147	-0.1157	123.5007324	0.012301		
1552	11931.4	12.75	-0.125	119	115.1979368	-0.023034125	-0.1157	114.7552055	-0.03542		
	3	12.3	-0.126	112	111.55527336	-0.000422239	-0.1157	111.5515758	-0.003525		
1002.79	1325.79	13.45	-0.125	110	110.0359355	5.35076E-08	-0.1157	109.9030783	-0.000891		
1885.12	3210.51	13.77	-0.125	107	105.8562353	-0.010855952	-0.1157	105.8555383	-0.012273		
1930.09	5140.1	14.12	-0.124	103	102.502864	-0.002757951	-0.1157	102.4157552	-0.005534		
2851.45	8034.49	14.63	-0.124	99	96.32102535	-0.0207500259	-0.1157	96.60035595	-0.02939		
1925.59	5634.37	15.05	-0.123	95	94.71135634	-0.013426330	-0.1157	94.65053254	-0.014535		
	203.9	0.05	-0.153	557			-0.1157				
	2914	3117.9	0.55	547	505.7022315	-0.005155413	-0.1157				
5753.5	9991.4	2.51	-0.165	516	432.3100749	-0.0198003382	-0.1157				
1155	11235.4	2.22	-0.165	535	495.8255554	-0.071759093	-0.1157				
782	11531.4	3.5	-0.165	523	517.9557575	-0.005557452	-0.1157				
	323	4.12	-0.165	457	465.5912662	0.022553159	-0.1157				
1002.79	1325.79	4.41	-0.172	443	441.4353412	-0.003552509	-0.1157				
1885.12	3213.51	5.02	-0.155	425	405.5591704	-0.037575423	-0.1157	354.7504431	-0.071105		
1013.09	4224	5.44	-0.121	412	407.3748292	-0.011554155	-0.1157	404.2535833	-0.017321		
1677	9131	6	-0.105	402	355.2562935	-0.041571937	-0.1157	354.7921619	-0.042306		
970	7371	6.3	-0.107	378	357.5203322	0.031433869	-0.1157	355.4175217	0.025653		
1955	5357	6.5	-0.109	347	345.5425035	0.005453115	-0.1157	352.5193489	0.015154		
	5172	1.45	-0.153	557			-0.1157				
	7942.3	2.21	-0.165	553	522.1028575	-0.054647325	-0.1157				
1520.9	9920.2	2.51	-0.165	537	521.9932029	-0.024235945	-0.1157				
1213.4	11116.6	3.24	-0.084	528	516.2314491	-0.015759145	-0.1157				
	230.8	3.53	-0.08	491	485.3812482	0.004955234	-0.1157	500.30246	0.044325		
531	911.9	4.1	-0.033	455	471.3112455	0.011297394	-0.1157	474.5203819	0.018245		
557.7	1552.5	5.24	-0.052	455	452.5032182	-0.004550952	-0.1157	455.2512625	0.002772		
2339.5	4322	5.3	-0.059	415	415.4345925	0.001047447	-0.1157	414.3791285	0.002345		
375.5	4997.5	5.4	-0.103	401	400.3517527	-0.001591619	-0.1157	402.555755	0.004629		
1548.5	5948.1	5.55	-0.103	384	375.4504202	-0.022284529	-0.1157	375.5145135	-0.013243		
955.7	7912.9	6.29	-0.103	375	372.2332049	-0.00737812	-0.1157	371.8525553	-0.003259		
553.5	5575.3	6.59	-0.103	355	351.7725551	-0.005542205	-0.1157	351.5593971	-0.003854		
	955	5.62	-0.103	349	351.383417	0.005542202	-0.1157	351.1557035	0.011935		
971	15932.3	7.5	-0.104	335	337.9038495	-0.00030942	-0.1157	339.4370750	0.004715		
	5172	1.45	-0.153	557			-0.1157				
2773.3	7942.3	2.21	-0.165	553	522.1028575	-0.054647325	-0.1157				
1520.9	9920.2	2.51	-0.165	537	521.9932029	-0.024235945	-0.1157				
1213.4	11116.6	3.24	-0.084	528	516.2314491	-0.015759145	-0.1157				
	230.8	3.53	-0.08	491	485.3812482	0.004955234	-0.1157	500.30246	0.044325		
531	911.9	4.1	-0.033	455	471.3112455	0.011297394	-0.1157	474.5203819	0.018245		
557.7	1552.5	5.24	-0.052	455	452.5032182	-0.004550952	-0.1157	455.2512625	0.002772		
2339.5	4322	5.3	-0.059	415	415.4345925	0.001047447	-0.1157	414.3791285	0.002345		
375.5	4997.5	5.4	-0.103	401	400.3517527	-0.001591619	-0.1157	402.555755	0.004629		
1548.5	5948.1	5.55	-0.103	384	375.4504202	-0.022284529	-0.1157	375.5145135	-0.013243		
955.7	7912.9	6.29	-0.103	375	372.2332049	-0.00737812	-0.1157	371.8525553	-0.003259		
553.5	5575.3	6.59	-0.103	355	351.7725551	-0.005542205	-0.1157	351.5593971	-0.003854		
	955	5.62	-0.103	349	351.383417	0.005542202	-0.1157	351.1557035	0.011935		
971	15932.3	7.5	-0.104	335	337.9038495	-0.00030942	-0.1157	339.4370750	0.004715		
	5172	1.45	-0.153	557			-0.1157				
2773.3	7942.3	2.21	-0.165	553	522.1028575	-0.054647325	-0.1157				
1520.9	9920.2	2.51	-0.165	537	521.9932029	-0.024235945	-0.1157				
1213.4	11116.6	3.24	-0.084	528	516.2314491	-0.015759145	-0.1157				
	230.8	3.53	-0.08	491	485.3812482	0.004955234	-0.1157	500.30246	0.044325		
531	911.9	4.1	-0.033	455	471.3112455	0.011297394	-0.1157	474.5203819	0.018245		
557.7	1552.5	5.24	-0.052	455	452.5032182	-0.004550952	-0.1157	455.2512625	0.002772		
2339.5	4322	5.3	-0.059	415	415.4345925	0.001047447	-0.1157	414.3791285	0.002345		
375.5	4997.5	5.4	-0.103	401	400.3517527	-0.001591619	-0.1157	402.555755	0.004629		
1548.5	5948.1	5.55	-0.103	384	375.4504202	-0.022284529	-0.1157	375.5145135	-0.013243		
955.7	7912.9	6.29	-0.103	375	372.2332049	-0.00737812	-0.1157	371.8525553	-0.003259		
553.5	5575.3	6.59	-0.103	355	351.7725551	-0.005542205	-0.1157	351.5593971	-0.003854		
	955	5.62	-0.103	349	351.383417	0.005542202	-0.1157	351.1557035	0.011935		
971	15932.3	7.5	-0.104	335	337.9038495	-0.00030942	-0.1157	339.4370750	0.004715		
	5172	1.45	-0.153	557			-0.1157				
2773.3	7942.3	2.21	-0.165	553	522.1028575	-0.054647325	-0.1157				
1520.9	9920.2	2.51	-0.165	537	521.9932029	-0.024235945	-0.1157				
1213.4	11116.6	3.24	-0.084	528	516.2314491	-0.015759145	-0.1157				
	230.8	3.53	-0.08	491	485.3812482	0.004955234	-0.1157	500.30246	0.044325		
531	911.9	4.1	-0.033	455	471.3112455	0.011297394	-0.1157	474.5203819	0.018245		
557.7	1552.5	5.24	-0.052	455	452.5032182	-0.004550952	-0.1157	455.2512625	0.002772		
2339.5	4322	5.3	-0.059	415	415.4345925	0.001047447	-0.1157	414.3791285	0.002345		
375.5	4997.5	5.4	-0.103	401	400.3517527	-0.001591619	-0.1157	402.555755	0.004629		



1772.8	5990.6	9.67	-0.115	246	239.7627981	-0.021376343	-0.1157	240.4172911	-0.0197029	2244.7	255.5444	-0.025275	254.4312	-0.039595
599.3	5990.1	9.55	-0.115	239	239.7929796	-0.0134186	-0.1157	239.147976	-0.011934	"				
595.3	7953.4	0.3	-0.114	239	230.2939636	-0.01151393	-0.1157	230.6297364	-0.013173	2733.9	231.7307	-0.0320415	230.7526	-0.034506
551.7	5915.1	10.61	-0.113	227	234.5126154	-0.010265062	-0.1157	234.9395797	-0.039205	"				
595.3	5911.4	10.52	-0.113	221	216.7319772	-0.010265519	-0.1157	216.1965538	-0.026209	1855	222.5526	-0.019492	221.905	-0.022445
1950	11531.4	11.5	-0.110	212	206.177545	-0.027466349	-0.1157	205.98211	-0.023579					
323	12.08	-0.111	194	197.7503935	0.019493535	-0.1157	198.6962497	0.024052						
1002.79	1525.79	12.37	-0.111	193	197.3512214	-0.02654955	-0.1157	197.8545912	-0.035025					
1685.12	3210.91	12.97	-0.109	185	175.9319988	-0.045175386	-0.1157	176.622639	-0.044253					
1012.09	4224	13.2	-0.108	182	177.8347937	-0.01029091	-0.1157	178.4535291	-0.039534					
517	5141	13.55	-0.108	173	174.5932975	0.009787947	-0.1157	175.2052235	0.012746	"				
950	6101	13.82	-0.107	169	167.4951593	-0.003555401	-0.1157	168.0251517	-0.035751	1930.39	173.6553	0.003552	172.5915	-0.022355
1505.49	5034.49	14.34	-0.105	163	155.9314566	-0.028757841	-0.1157	155.8535539	-0.019302					
1062.52	3067	14.63	-0.105	155	157.4355513	-0.005515492	-0.1157	158.0555101	-0.035977	"				
767.37	5934.37	14.95	-0.103	155	154.1275114	-0.006627023	-0.1157	154.718015	-0.031915	1929.99	153.7528	-0.007943	152.5145	-0.01535
-----														
	227	0.65	-0.165	507			-0.1157							
3293	3293	0.66	-0.165	594	595.7435601	-0.034411541	-0.1157							
752	4345	1.05	-0.165	598	570.8875547	0.010355514	-0.1157							
1120	5155	1.32	-0.115	536	546.3772827	0.010265549	-0.1157							
507	5972	1.54	-0.124	524	521.7193225	-0.034352439	-0.1157	521.7952209	-0.024206	"				
984	5939	1.75	-0.124	499	510.5910312	-0.024851529	-0.1157	509.555435	0.023593	1937	521.1175	-0.005501	522.5142	0.015821
3225	5984	2.51	-0.124	472	495.2431475	-0.035505181	-0.1157	490.593755	-0.045757					
1927	11791	2.55	-0.113	493	445.3451432	-0.029099555	-0.1157	444.7252772	-0.031057					
	1562.5	7.25	-0.117	273	275.8459725	0.020522113	-0.1157	283.9295974	0.035491					
1551.7	3204.2	7.63	-0.117	259	257.9933046	-0.003554535	-0.1157	256.2557422	-0.022852					
757.5	4222	7.64	-0.115	245	252.5706527	0.014540011	-0.1157	251.7139135	0.014915	"				
575.3	4957.6	8.11	-0.118	242	241.0512215	-0.003755504	-0.1157	241.1919234	-0.033335	2359.5	251.5926	0.012011	251.5935	0.0104
1349.5	5948.1	9.55	-0.117	239	225.3295245	-0.023349473	-0.1157	225.4950134	-0.027506					
965.7	7912.6	8.76	-0.117	229	220.4172621	0.005169974	-0.1157	220.541711	0.007712	"				
965.5	5976.3	9	-0.117	221	222.5145962	0.003954559	-0.1157	222.5551226	0.007507					
955	9552.3	9.26	-0.117	215	213.7157155	-0.005573414	-0.1157	213.8773451	-0.035222	1930.2	224.1591	0.01425	223.952	0.013055
571	10593.9	9.54	-0.117	210	208.4115234	-0.00755275	-0.1157	208.5551759	-0.035855	"				
1630.5	1254.1	10.05	-0.115	195	197.5539445	-0.002224337	-0.1157	197.8355271	-0.030825	1957	207.4592	-0.012052	207.1553	-0.013451
223.9	10.29	-0.117	193	192.6032157	0.025555579	-0.1157	192.7972279	0.053482						
1049.9	1252.8	10.5	-0.115	177	175.243775	0.007025995	-0.1157	175.3495553	0.007525	"				
722.6	1975.6	10.65	-0.115	173	173.8503289	0.004915173	-0.1157	173.8946633	0.005171					
2344.7	4223.3	11.15	-0.115	157	162.1715669	-0.025911975	-0.1157	162.3203532	-0.025222	1771.7	175.247	0.012588	175.572	0.011977
1001.9	5222.1	11.43	-0.115	153	162.2733912	-0.004474349	-0.1157	162.2975945	-0.024337					
1738	3910.1	11.84	-0.115	155	155.1935738	0.001246893	-0.1157	155.2351237	0.001536	"				
1955	3915.1	12.24	-0.115	151	145.5554204	-0.033143244	-0.1157	145.0495077	-0.032825	3739.9	154.5555	-0.002777	154.4992	-0.003231
595.3	5911.4	12.6	-0.115	147	146.5729523	-0.004255525	-0.1157	146.4375541	-0.003925	"				
1159	11033.4	12.54	-0.119	144	141.1374352	-0.015575475	-0.1157	141.2191032	-0.015912					
792	11531.4	13.16	-0.117	141	140.2573393	-0.005255573	-0.1157	140.2055552	-0.004895	2124.3	140.5795	-0.023263	142.5355	-0.024255
	323	13.77	-0.117	131	131.0714955	0.005545715	-0.1157	131.2175414	0.002155					
1527.57	1250.57	14.18	-0.115	125	124.7251237	-0.00215101	-0.1157	124.654272	-0.001095					
1572.45	4224	14.51	-0.115	120	115.7035593	-0.025512531	-0.1157	115.5179474	-0.025252					
1877	5121	14.55	-0.115	119	116.5753228	-0.020377955	-0.1157	116.7153433	-0.0219					
970	7371	15.15	-0.114	115	115.1949734	0.001554572	-0.1157	115.2542355	0.002527					
1555	3067	15.6	-0.114	113	110.4445055	-0.0223514957	-0.1157	110.70219171	-0.020328					
767.37	5934.37	15.8	-0.113	110	110.3259045	0.00257155	-0.1157	110.452749	0.004116					
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	9979	142	-0.155	553			-0.1157							
	227	3.34	-0.165	539			-0.1157							
975	1205	2.45	-0.165	517	521.0356433	-0.029355555	-0.1157							
2055	3293	2.8	-0.12	481	455.1972552	0.035550759	-0.1157	455.527185	-0.018206					
2579	5972	3.0	-0.122	455	455.5123555	-0.011951593	-0.1157	455.4557143	0.035475	"				
954	3925	3.24	-0.123	454	457.3724535	0.007205251	-0.1157	434.214211	-0.024229					
2123	5969	3.67	-0.12	445	435.4151227	-0.019329512	-0.1157	435.8355534	0.04019					
925	5954	3.82	-0.125	419	435.5554543	0.041905519	-0.1157	395.5532525	-0.055435					
1927	11791	4.2	-0.125	399	400.5475484	0.004531194	-0.1157	375.5555479	0.035525					
550.4255	12751.43	4.62	-0.131	411	358.5295757	-0.054423524	-0.1157	359.847495	0.04127					
	377.3	4.63	-0.122	354	400.7974505	0.043745559	-0.1157	375.5555479	0.035525					
551.3	1235.5	4.77	-0.123	375	377.5155475	0.005552793	-0.1157	378.5555479	0.035525					
1552.5	1755.5	5.05	-0.123	357	357.5555475	0.005552793	-0.1157	357.5555475	0.005552793					

	232.8	7.03	-0.123	295	235.716666	0.001402873	-0.1157	254.5827013	-0.001416	1977	259.0924	-0.0561421	250.7437	-0.056027
551	311.8	7.14	-0.127	296	251.5390222	0.021896659	-0.1157	251.6210398	0.023232					
1555.5	2370.1	7.37	-0.127	279	277.2528891	-0.006254038	-0.1157	275.7955692	-0.007901	"				
1551.9	4322	7.66	-0.127	253	255.4512412	0.024643522	-0.1157	255.5113529	0.022477	2153.3	259.1505	0.014514	255.914	0.017613
575.5	4937.6	7.85	-0.127	258	257.0850555	0.004242562	-0.1157	255.7297648	0.002551	"				
1545.5	5946.1	8.22	-0.127	247	244.9094241	-0.00345337	-0.1157	244.2455163	-0.011138	3527.5	262.5902	0.026291	253.4216	0.028991
1530.2	5975.3	8.61	-0.126	235	235.7343031	-0.005519735	-0.1157	235.054122	-0.012336					
555	9562.3	8.84	-0.126	231	231.5359967	0.003224551	-0.1157	231.2017425	0.005673					
1595.9	11755.1	9.25	-0.125	221	218.8893541	-0.005553933	-0.1157	218.2557032	-0.012368					
	233.9	9.71	-0.124	212	210.18411	-0.005559959	-0.1157	205.599505	-0.012364					
1045.9	1252.9	9.84	-0.124	203	205.7256027	0.028120955	-0.1157	205.5099572	0.027635					
2367.5	4220.3	10.28	-0.124	195	152.5950702	-0.017423111	-0.1157	152.2213437	-0.015528					
1001.6	5222.1	10.42	-0.124	192	152.5122262	0.00255754	-0.1157	152.5853948	0.002031					
755.7	5950.9	10.55	-0.123	183	155.0354135	0.00522752	-0.1157	153.5297725	0.034546	"				
555.3	5950.1	10.71	-0.123	153	154.5545934	0.005041439	-0.1157	154.553202	0.005542	1773.5	159.3117	0.005977	159.5397	0.00815
1555	5915.1	11.05	-0.123	177	175.4915555	-0.005522059	-0.1157	175.2592197	-0.009567					
2124.3	11239.4	11.45	-0.122	174	155.1201215	-0.023752425	-0.1157	157.5517282	-0.025162					
1770.5	12913	11.55	-0.122	157	155.5551515	-0.00579832	-0.1157	155.545384	-0.005102					
	323	12.16	-0.122	155	151.5390122	0.043154917	-0.1157	151.5595345	0.042527					
1002.79	1525.79	12.31	-0.122	152	152.2418137	0.014545405	-0.1157	152.1592564	0.014555					
3515.21	5141	12.55	-0.122	144	140.5110115	-0.023534542	-0.1157	140.435481	-0.024747					
2353.48	5004.48	13.15	-0.121	157	135.5344355	-0.005557517	-0.1157	135.4755455	-0.011195					
1525.59	5934.37	13.65	-0.121	132	131.5333055	-0.005512512	-0.1157	131.4751525	-0.003993					
							-0.1157							
							-0.1157							
	377.3	2.74	-0.159	711			-0.1157							
551.3	1235.6	2.53	-0.155	597	555.0122212	0.011552522	-0.1157							
1555.5	3205.2	3.16	-0.153	552	552.5942327	0.005819055	-0.1157							
1555.5	5172	3.74	-0.154	527	522.0075025	-0.005357619	-0.1157							
1555.2	7142.2	4.05	-0.155	597	501.2744525	0.007159938	-0.1157	600.3732454	0.005645					
522.1	7542.3	4.25	-0.153	573	555.5753455	0.023120535	-0.1157	555.175635	0.021254					
1550.9	5933.2	4.65	-0.141	536	545.5577775	0.017931575	-0.1157	542.5593475	0.012257					
1977	11550.2	5.01	-0.143	513	514.0251734	0.001555244	-0.1157	510.1924575	-0.005477					
	233.9	5.27	-0.159	455	457.2520371	0.035754541	-0.1157	454.2755795	0.029207					
531	311.9	5.35	-0.157	445	451.4553105	0.007741755	-0.1157	445.5441999	0.003					
250.7	1552.5	5.55	-0.173	434	439.501545	0.012575371	-0.1157	435.1579517	0.005041	"				
1551.7	3224.2	5.94	-0.174	415	414.2352129	-0.00151515	-0.1157	405.5542211	-0.022445	"				
2755.7	5952.9	6.45	-0.159	399	355.9552371	-0.02355372	-0.1157	375.0994305	-0.045975	2953.4	411.7162	-0.037505	415.4555	0.010737
555.2	5945.1	6.7	-0.155	353	357.7305355	-0.000771525	-0.1157	351.1425355	-0.012525					
555.7	7912.3	6.52	-0.152	375	377.3157555	0.005055132	-0.1157	374.1551555	-0.004572	"				
	233.9	7.52	-0.153	342	337.5391157	-0.012553053	-0.1157	324.5552375	-0.045742	1929.9	359.1555	-0.0152	377.5242	0.00432
1045.9	1252.9	8.1	-0.152	324	330.727493	0.022753552	-0.1157	327.4745733	0.013724	"				
722.9	1575.6	8.25	-0.151	325	315.7144233	0.024555753	-0.1157	314.7757054	0.015555	"				
2344.7	4220.3	8.51	-0.147	321	255.5551535	-0.045545995	-0.1157	251.3542732	-0.055155	1771.7	317.3712	0.025033	323.2935	0.045245
1770.5	5990.9	9.32	-0.142	295	255.554532	-0.025527251	-0.1157	251.3545977	-0.033334	"				
555.3	5950.1	9.53	-0.14	278	257.5770395	0.034523397	-0.1157	255.3325577	0.025575					
553.3	7953.4	9.71	-0.127	258	272.074275	-0.055257542	-0.1157	271.0519337	-0.055743	2733.9	274.7755	-0.011551	275.4734	0.005255
1525	5951.4	10.07	-0.134	277	275.5531037	-0.004140431	-0.1157	274.1434254	-0.010323					
1155	11039.4	10.27	-0.13	255	270.447355	-0.051051557	-0.1157	265.5749935	-0.053772					
	323	10.71	-0.125	249	270.1750542	0.035555539	-0.1157	265.1554733	0.050345					
1527.57	2250.57	11.25	-0.127	241	235.4142791	-0.031475321	-0.1157	232.245011	-0.035325					
550.34	3210.31	11.51	-0.125	231	235.5151103	0.011220524	-0.1157	233.1721234	0.009403					
4753.57	8304.49	12.75	-0.122	220	155.5551154	-0.055917557	-0.1157	157.3375433	-0.010305					
							-0.1157							
							-0.1157							
	323	0.05	-0.155	575			-0.1157							
1527.57	2250.57	0.55	-0.155	553	541.5351372	-0.007512523	-0.1157							
2550.43	5141	1.23	-0.155	520	542.5942357	-0.035525559	-0.1157							
							-0.1157							
							-0.1157							
	233.9	0.04	-0.155	574			-0.1157							
1771.7	1575.6	0.14	-0.155	591	550.2253755	-0.035007127	-0.1157							
2245.5	5222.1	0.55	-0.155	705	545.973155	-0.032507405	-0.1157							
	323	2.55	-0.155	538	575.7303213	-0.025575515	-0.1157							
5775	5101	3.5	-0.155	552	555.343032	-0.022554215	-0.1157							
3733.57	5934.37	4.14	-0.155	550	531.7344555	-0.0071022553	-0.1157							
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							-0.1157							
	5937.9	0.55	-0.155	557			-0.1157							

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1885.1	3117.9	0.58	-0.163	541	481.8774763	-0.105233778	-0.1187						
2104.2	8252.1	1.66	-0.162	527	488.7392691	-0.03386252	-0.1187						
758.7	5950.8	1.65	-0.165	538	512.5693544	-0.047045343	-0.1187						
599.5	5950.1	2.16	-0.165	538	520.5939506	-0.025274736	-0.1187						
1955	5915.1	2.62	-0.165	499	480.0394337	-0.031638704	-0.1187						
559.5	5881.4	2.61	-0.165	522	479.5515515	-0.031137277	-0.1187						
2629.5	12910	2.7	-0.165	502	474.9001576	-0.023583743	-0.1187						
	323	3.52	-0.165	454	465.4537381	-0.046233534	-0.1187						
2837.91	3210.91	4.77	-0.081	483	422.1834736	-0.069135207	-0.1187						
1013.08	4224	6.02	-0.075	443	439.5447888	-0.007875515	-0.1187	443.5180254	0.002076				
917	5141	5.23	-0.081	431	432.5235195	-0.009527688	-0.1187						
2851.45	5034.48	6.04	-0.077	412	250.7060342	-0.051665559	-0.1187			1510.09	435.7855	0.013423	429.2447
1052.52	9067	6.42	-0.076	420	351.3795577	-0.0758501031	-0.1187						0.004373
							-0.1187						
	5952.9	1.5	-0.165	592			-0.1187						
3879.4	9652.2	2.65	-0.165	575	515.5556725	-0.056371004	-0.1187						
871	1033.3	2.81	-0.165	552	559.7184173	-0.0022252112	-0.1187						
1630.8	12564.1	3.32	-0.05	540	534.4583399	-0.010261335	-0.1187						
	223.9	3.52	-0.05	525	527.2259155	-0.004233994	-0.1187	534.6259102	0.015137				
1048.9	1252.9	3.85	-0.053	508	504.5692212	-0.006652557	-0.1187	514.7072345	0.013202				
1855.1	3117.9	4.42	-0.074	466	474.4956456	-0.003571505	-0.1187	485.685531	0.005526				
1132.4	4223.3	4.75	-0.073	473	467.1787205	-0.012311352	-0.1187	474.2755173	0.002657				
1770.5	5950.8	5.22	-0.075	457	447.1241811	-0.021610035	-0.1187	455.2755159	-0.002245				
569.3	5950.3	5.45	-0.081	442	442.4552387	-0.001068055	-0.1187	447.3554152	0.012116				
1955	5915.1	6.05	-0.084	417	411.3435513	-0.003735556	-0.1187	422.358798	0.012547				
2124.3	11039.4	6.66	-0.085	398	387.6353652	-0.028037793	-0.1187	355.1711131	-0.004595				
1770.5	12810	7.12	-0.055	381	376.5777341	-0.01124453	-0.1187	382.7358055	0.004553				
	323	7.42	-0.05	354	357.1213235	-0.003035555	-0.1187	370.5757437	0.047557				
1002.79	1325.79	7.73	-0.053	340	341.5133597	-0.004451173	-0.1187	344.5695755	0.013441				
534.78	2252.67	7.97	-0.055	331	330.3714467	-0.001589552	-0.1187	332.4552544	0.004537				
1573.43	4224	8.46	-0.055	319	312.1442355	-0.001451424	-0.1187	315.5450715	-0.009577	1527.57	537.237	0.016752	331.942
517	5141	8.67	-0.055	308	311.0512408	-0.005735407	-0.1187	312.5533514	0.011755				
590	5101	8.5	-0.055	302	302.5036975	-0.00450301	-0.1187	302.1153475	0.003374				
1502.48	5004.48	9.4	-0.055	259	254.4555543	-0.016734725	-0.1187	257.4145978	-0.005485				
1829.59	9334.37	3.2	-0.055	279	271.2350229	-0.027831459	-0.1187	274.2271255	-0.017137	1877	325.8061	0.012603	302.5537
							-0.1187						0.002058
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1998	8087	7.98	-0.11	277	273.9525207	-0.010895499	-0.1187	274.686529	-0.009309
	7812.8	1.8	-0.185	501			-0.1187		
533.5	3376.3	2.14	-0.185	559	553.9501161	-0.008125537	-0.1187		
1957	12832.3	2.68	-0.185	604	553.178265	-0.075870627	-0.1187		
1830.6	12654.1	2.12	-0.185	592	553.1218691	-0.023848906	-0.1187		
	232.6	2.5	-0.185	544	553.6943636	0.047048446	-0.1187		
1771.7	1875.6	3.73	-0.128	527	516.7091639	-0.016529059	-0.1187		
2244.7	4233.3	4.27	-0.109	508	454.3133637	-0.027622798	-0.1187	491.8341434	-0.331882
1001.8	8222.1	4.89	-0.079	526	489.9096229	-0.070814019	-0.1187	490.8634183	-0.387326
1739	5952.1	5.16	-0.079	492	491.5969345	-0.000209452	-0.1187	503.2389903	0.222629
1965	8915.1	5.66	-0.071	473	453.417659	-0.020236561	-0.1187	473.8915636	0.301685
2916.3	11831.4	6.43	-0.071	481	430.8359102	-0.044707757	-0.1187	448.8198032	-0.009266
	323	7.29	-0.051	396	416.7411724	0.056042943	-0.1187	430.2535916	0.289603
1002.79	1326.79	7.36	-0.037	361	382.8951352	0.004975733	-0.1187	338.7662942	0.31914
1886.12	3213.91	7.68	-0.038	370	363.3263219	-0.048067509	-0.1187	360.6793539	-0.026191
1013.09	4224	8.31	-0.08	363	368.5996273	-0.0075824	-0.1187	369.4097152	0.318669
917	8141	8.6	-0.052	343	340.9655524	-0.00567873	-0.1187	343.6063943	0.30264
950	5101	8.51	-0.062	333	330.8056484	-0.015562934	-0.1187	333.5661197	-0.33787
970	7371	9.2	-0.092	321	324.5385486	0.011017285	-0.1187	327.1840497	0.31917
521.46	8034.49	9.45	-0.092	326	311.5353306	0.011481756	-0.1187	313.8223416	0.218266
	233.9	0.08	-0.188	550			-0.1187		
5019.2	8222.1	1.51	-0.188	501	487.5942637	-0.188711724	-0.1187		
4859.3	8981.4	2.9	-0.188	583	508.5788484	-0.127135756	-0.1187		
1950	11831.4	3.46	-0.188	596	543.2470486	-0.085511553	-0.1187		
	323	4.74	-0.188	542	531.3863091	0.017217912	-0.1187		
1002.79	1326.79	4.47	-0.188	529	521.3077341	-0.01512614	-0.1187		
524.75	2352.67	4.77	-0.11	519	510.3405439	-0.018684894	-0.1187		
1973.43	4224	5.42	-0.085	504	480.1801675	-0.047321116	-0.1187	483.1870681	-0.347265
1977	8121	5.96	-0.087	499	471.3232998	0.004653729	-0.1187	480.5715189	0.024672
970	7371	6.25	-0.051	451	454.0947109	0.009839714	-0.1187	456.1115752	0.015768
1995	8087	6.77	-0.09	436	423.7837561	-0.023016685	-0.1187	420.1587444	-0.313404
767.37	9534.37	6.98	-0.098	410	425.1758684	0.037015752	-0.1187	427.6559935	0.343506
	3117.9	0.68	-0.189	548			-0.1187		
2104.2	8222.1	1.2	-0.189	566	514.9201637	-0.088819179	-0.1187		
2731.3	7963.4	1.8	-0.189	578	515.6977617	-0.107052256	-0.1187		
	323	3.64	-0.189	509	485.3251767	-0.077546609	-0.1187		
2697.91	3213.91	4.31	-0.189	499	485.7727262	-0.086681273	-0.1187		
1910.09	8141	4.77	-0.092	484	471.5203979	-0.02819756	-0.1187		
1930	7371	5.23	-0.061	470	455.1593446	-0.023043275	-0.1187	470.5749434	0.322274
2763.37	9534.37	6.2	-0.092	451	457.9521581	-0.026920996	-0.1187	452.3654716	0.305285
	2243	0.54	-0.188	567			-0.1187		
4322	7235	1.18	-0.188	547	617.8106697	-0.045114669	-0.1187		
1714	8979	1.45	-0.188	516	623.4317496	0.012054527	-0.1187		
951	9942	1.67	-0.188	641	602.696285	-0.039486754	-0.1187		
934	10874	1.86	-0.188	610	625.8952641	0.027190997	-0.1187		
	227	2.47	-0.188	570	557.3459664	-0.009182956	-0.1187		
976	1206	2.64	-0.188	533	558.5182369	0.047875711	-0.1187		
4787	5972	3.43	-0.12	520	484.8978324	-0.067465322	-0.1187	486.7558869	-0.102387
554	8836	3.88	-0.124	491	510.7467195	0.040217362	-0.1187	512.7237369	0.34017
3329	9664	4.12	-0.125	481	480.2657105	-0.001550649	-0.1187	485.1982115	-0.003906
	377.3	4.59	-0.118	436	415.4271166	-0.048041111	-0.1187	413.4950336	-0.249434
1643.2	2222.6	5.32	-0.113	416	418.1522118	0.005173106	-0.1187	418.8210688	0.336733
2561.5	5172	5.77	-0.107	426	389.4947036	-0.040685449	-0.1187	390.9320365	-0.537112
955	5167	6.06	-0.103	395	353.672651	0.002195351	-0.1187	357.629366	0.33462
983.2	7142.2	6.25	-0.11	367	387.0954143	0.03420059	-0.1187	388.176283	0.387334
3575.4	11116.6	7.11	-0.112	331	322.0763295	-0.026554684	-0.1187	324.776322	-0.518604
	511.8	7.72	-0.111	322	307.5625439	-0.044452793	-0.1187	305.1412757	-0.339934
2110.2	4222	6.28	-0.11	309	301.1232187	-0.006193989	-0.1187	302.5939707	-0.33134
2924.1	8946.1	8.89	-0.103	288	291.5642932	-0.01172434	-0.1187	283.335811	-0.306936
555.7	7812.8	9.1	-0.103	275	277.5252466	0.01053728	-0.1187	278.8924467	0.312811
1510.5	17812.8	9.97	-0.103	250	261.2818972	-0.008621777	-0.1187	264.741612	-0.377147

2523.6	1231.0	12.81	-0.103	193	183.2244382	-0.030682693	-0.1157	184.5821974	-0.043816
	323	13.08	-0.103	179	166.8521516	0.041822636	-0.1157	187.4533927	0.047226
1000.79	1326.79	13.23	-0.103	175	173.8147363	0.004655636	-0.1157	176.1236621	0.02642
2353.21	4224	12.7	-0.103	171	166.4264978	-0.023239369	-0.1157	166.2366338	-0.027255
1977	8121	14.02	-0.103	138	164.5738749	-0.008891116	-0.1157	166.1911943	-0.004872
870	7071	14.22	-0.103	162	162.0731619	0.000461666	-0.1157	162.4628472	0.002762
2763.37	9534.37	14.76	-0.107	156	161.8699924	-0.026619161	-0.1157	162.8223896	-0.020269
	203.9	0.05	-0.165	638			-0.1157		
8755.2	8960.1	1.6	-0.165	671	471.7642412	-0.073763273	-0.1157		
5849.9	12310	3.23	-0.165	623	469.7664436	-0.045325667	-0.1157		
191.6	13031.6	3.6	-0.165	574	617.5016917	0.078209667	-0.1157		
	323	3.65	-0.165	507	564.4166037	0.032629873	-0.1157		
2857.31	3213.1	4.62	-0.165	487	484.5792484	-0.048540559	-0.1157		
1510.39	6141	6.09	-0.163	466	480.3593135	-0.012106629	-0.1157	444.3507034	-0.043456
2383.46	6204.46	6.91	-0.123	446	422.4333294	-0.050711616	-0.1157	405.3725551	-0.030262
1062.62	9267	6.27	-0.114	426	426.2313635	0.000543083	-0.1157	426.7252913	-0.003646
	203.9	0.07	-0.165	669			-0.1157		
1139.3	2370.1	0.66	-0.165	666	510.2015666	-0.038256469	-0.1157		
1771.7	1975.6	4.17	-0.165	622	412.5737377	-0.030272677	-0.1157		
1140.3	3117.9	4.48	-0.028	507	501.8469416	-0.03680366	-0.1157		
2104.2	5022.1	5.07	-0.019	499	502.9861234	-0.007618699	-0.1157	466.344878	0.005795
4659.3	9661.4	6.6	-0.019	472	472.4292516	-0.041729666	-0.1157	466.259021	-0.012166
2623.6	12313	7.28	-0.04	451	418.4399894	-0.11630631	-0.1157	467.8579511	0.015206
	323	7.62	-0.044	426	429.8269604	-0.048727563	-0.1157	444.90782	0.046642
1000.79	1326.79	7.66	-0.047	416	453.013886	0.016655736	-0.1157	419.6608726	0.012002
2353.21	4224	8.7	-0.051	396	411.464013	-0.008472268	-0.1157	396.4979346	0.034669
1977	8121	9.16	-0.054	377	376.6519382	-0.024317777	-0.1157	377.0496369	0.000132
870	7071	9.43	-0.056	370	366.3006185	-0.032979797	-0.1157	371.5432166	0.004171
2763.37	9534.37	10.3	-0.057	360	366.0135246	-0.013485359	-0.1157	364.5575669	0.013302
	323	0.06	-0.165	636	337.4218762	-0.026637497	-0.1157		
1927.57	2252.57	0.46	-0.165	663			-0.1157		
1573.43	4224	0.67	-0.165	670	606.0376805	-0.071617546	-0.1157		
2647	7071	1.61	-0.165	593	620.9626416	-0.073162036	-0.1157		
	2181	0.23	-0.165	674	620.8894262	-0.081377123	-0.1157		
1934	4246	0.69	-0.165	656			-0.1157		
1627	6972	1.01	-0.166	516	646.4462206	-0.009637439	-0.1157		
164	6936	1.16	-0.163	592	631.3477303	0.024916147	-0.1157		
2123	8959	1.54	-0.167	564	605.058422	0.032654918	-0.1157		
905	8964	1.74	-0.163	640	596.1201342	-0.015671267	-0.1157	542.6203811	-0.037426
	377.3	2.69	-0.165	484	592.6581786	0.019737368	-0.1157	546.4735146	0.010136
851.3	1239.6	2.77	-0.161	473	487.7603206	0.007768269	-0.1157	466.142816	-0.032767
2933.4	6172	3.61	-0.123	455	473.5832771	0.001444561	-0.1157	470.6530365	-0.004868
965	8157	3.8	-0.115	481	427.7636265	-0.062073756	-0.1157	416.6536264	-0.105593
593.2	7140.2	4.03	-0.12	429	469.6213714	0.010006214	-0.1157	464.6784356	0.008617
2975.4	11116.6	4.62	-0.113	409	459.934619	0.039729981	-0.1157	439.659169	0.03568
1648.4	12665	5.16	-0.11	396	385.9105985	-0.061336146	-0.1157	383.819419	-0.061566
	203.9	5.26	-0.112	351	392.6566662	-0.008131699	-0.1157	363.6642637	-0.0061
591	811.8	6.46	-0.116	348	387.0964143	0.072285436	-0.1157	387.609489	0.074265
2210.2	4022	6	-0.117	339	386.7346893	0.028013188	-0.1157	366.6793676	0.026603
975.6	4997.6	6.19	-0.116	326	326.8272879	-0.0273812	-0.1157	326.4910316	-0.0264
855.3	5962.9	6.43	-0.113	318	327.4670303	0.007691016	-0.1157	327.635114	0.008108
963.2	6946.1	6.66	-0.116	309	316.6551677	-0.004648919	-0.1157	316.8718707	-0.004177
1920.2	8976.3	7.07	-0.115	300	308.5944706	0.003226601	-0.1157	308.1206662	0.003666
966	9632.3	7.3	-0.119	294	292.8963976	-0.021677006	-0.1157	292.8646234	-0.023366
971	10953.3	7.64	-0.117	287	291.8536672	-0.007301606	-0.1157	291.5674941	-0.006813
	203.9	8.14	-0.117	262	266.6741834	-0.004619744	-0.1157	266.7607122	-0.004214
1043.9	1292.9	8.25	-0.118	255	267.1134427	0.016905606	-0.1157	267.6425123	0.021158
722.8	1976.6	8.4	-0.118	249	267.3377734	0.006167707	-0.1157	267.4420133	0.003977
3245.6	6222.1	9.96	-0.118	238	261.664423	0.010703494	-0.1157	261.7114886	0.012085
771.1	7862.1	9.46	-0.117	226	232.6551636	-0.016705647	-0.1157	232.6779982	-0.002476
				225	234.2461893	-0.033467696	-0.1157	234.2461893	-0.033467696

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1955.2 442.3966 0.047907

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1952.3 319.3394 0.004116

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1957 293.916 -0.011059

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1771.7 264.16 0.020683

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917	5141	18.74	-0.118	176	175.741972	0.00423954	-0.1187	175.8720691	0.004582		
950	5101	18.58	-0.116	171	170.5555532	-0.002012555	-0.1187	170.7885043	-0.001237		
1503.43	5004.48	12.35	-0.115	157	151.0054371	-0.025519539	-0.1157	151.2455937	-0.022474	1877	171.8356 0.00374 171.3734 0.032215
1623.53	5034.37	12.72	-0.115	159	159.7551321	0.011171722	-0.1157	159.0432054	-0.012512		
	233.9	0.05	-0.155	534			-0.1157				
1048.9	1052.9	0.3	-0.155	503	515.2557927	-0.003322341	-0.1157				
723.9	1975.6	0.47	-0.155	503	505.5254547	0.015675371	-0.1157				
1142.3	3117.9	0.81	-0.155	529	482.9395781	-0.057073174	-0.1157				
1842.2	3963.1	1.57	-0.155	532	483.415764	-0.082811147	-0.1157				
2321.3	5691.4	2.78	-0.155	518	455.512736	-0.120435791	-0.1157				
	323	3.55	-0.155	453	450.3055004	-0.005545123	-0.1157				
1002.79	1325.79	4.24	-0.155	442	437.5448125	-0.010079513	-0.1157				
2553.21	4224	4.57	-0.055	429	405.5129354	-0.055604579	-0.1157				
1877	5101	5.33	-0.055	414	410.9351912	-0.007473992	-0.1157	415.4727045	0.003557		
3733.37	5934.37	6.25	-0.072	402	370.5293463	-0.077535939	-0.1157	382.8555932	-0.047515		
	233.9	0.07	-0.155	570			-0.1157				
1771.7	1975.6	0.63	-0.155	563	555.0442071	-0.035557456	-0.1157				
7505.8	5631.4	3.1	-0.155	564	433.7759625	-0.230593593	-0.1157				
1950	11531.4	3.61	-0.155	545	530.5592586	-0.031752877	-0.1157				
	323	4.22	-0.055	497	505.4125948	0.02497534	-0.1157				
1002.79	1325.79	4.22	-0.045	483	475.4593752	-0.007733575	-0.1157	451.5055015	0.015239		
524.78	2253.57	4.75	-0.051	472	465.199578	-0.002051742	-0.1157	477.5915304	0.011402		
1573.43	4224	5.32	-0.056	492	442.4559828	-0.021115052	-0.1157	455.1794527	0.015552	1827.57	457.5526 0.032529 454.7771 -0.015303
517	5141	5.53	-0.052	434	440.7755593	0.015521434	-0.1157	445.7155131	0.029255		
950	5101	5.76	-0.055	425	422.2145234	-0.005554333	-0.1157	427.5552774	0.005715		
970	7371	6	-0.07	415	412.3543394	-0.004505231	-0.1157	415.321037	0.005002	1677	443.3958 0.027544 425.8101 0.005555
533.48	5034.48	6.33	-0.075	434	403.7324774	-0.000557135	-0.1157	405.3719555	0.010522		
1552.52	5937	6.5	-0.075	392	351.1515515	0.002953452	-0.1157	355.1151237	0.01555	1955	430.7252 0.027503 390.5903 0.032224
	233.9	0.05	-0.155	515			-0.1157				
1771.7	1975.6	0.43	-0.155	534	533.5353156	-0.071555717	-0.1157				
1142.3	3117.9	0.65	-0.155	554	514.5725335	-0.050235358	-0.1157				
2104.2	5222.1	1.15	-0.155	575	515.006395	-0.03874793	-0.1157				
2721.3	7953.4	1.5	-0.155	569	520.9223752	-0.057455545	-0.1157				
	323	3.52	-0.155	552	505.725744	-0.150759339	-0.1157				
1527.57	2253.57	3.55	-0.155	523	515.2559389	-0.005555154	-0.1157				
1573.43	4224	4.4	-0.051	502	500.3295915	-0.015535532	-0.1157				
917	5141	4.61	-0.055	533	537.0551348	0.00595735	-0.1157	555.553593	0.02155		
950	5101	4.64	-0.057	537	537.1551574	0.018255575	-0.1157	575.2744242	0.032505		
1503.48	5004.48	5.33	-0.074	535	525.2395075	-0.018157059	-0.1157	535.0105017	0.007456	1877	555.5415 0.055507 571.1143 0.02534
1552.52	5937	5.6	-0.075	520	517.9557575	-0.003573543	-0.1157	524.4157784	0.009454		
	323.9	1.57	-0.155	553			-0.1157				
2379	5972	3.38	-0.155	559	535.5155215	-0.055423517	-0.1157				
534	5935	3.53	-0.155	530	545.0705187	0.034055318	-0.1157				
2123	5955	3.51	-0.155	495	505.4324794	0.023055918	-0.1157				
2079	11238	4.35	-0.155	517	485.0422091	-0.052751554	-0.1157				
753	11791	4.52	-0.155	492	507.1925311	0.010575332	-0.1157				
550.4255	12751.43	4.73	-0.155	517	475.7557414	-0.071977524	-0.1157				
	377.3	4.55	-0.155	477	502.5532321	0.00555758	-0.1157				
551.3	1235.5	5.14	-0.155	455	455.2743215	0.00055503	-0.1157				
551.9	2223.5	5.15	-0.042	442	454.4321575	0.023127053	-0.1157				
554.7	3235.2	5.57	-0.151	454	430.5122345	-0.051735334	-0.1157	415.0233734	-0.075505		
1555.5	5172	5.07	-0.145	438	482.0014365	0.057553272	-0.1157	452.0532964	0.123652	1955.5	434.0825 -0.04357 442.5213 -0.025552
955	5157	5.24	-0.121	414	385.0024504	-0.074573254	-0.1157	370.4237039	-0.125264		
533.2	7143.2	5.44	-0.115	431	402.7575325	0.004353124	-0.1157	421.5372254	0.004053		
502.1	7942.3	6.53	-0.115	392	391.9528427	0.005054571	-0.1157	392.1395135	0.005405	1955.2	357.5414 -0.107275 372.5015 -0.070515
	232.9	7.55	-0.121	332	337.0130457	0.015050499	-0.1157	337.7037259	0.017155		
551	511.5	7.55	-0.125	325	327.5572335	0.005175325	-0.1157	327.5532316	0.00751		
2412.4	3224.2	8.35	-0.124	313	305.5951393	-0.013753552	-0.1157	307.5524231	-0.015555		
797.8	4322	9.55	-0.125	302	307.0524593	0.015753124	-0.1157	305.551077	0.015654		
0	4322	9.55	-0.125	302	302	0	-0.1157	302	0		
1557.5	5557.5	9.55	-0.125	252	255.5457755	-0.005555555	-0.1157	255.0715555	-0.005555		

2104.2	5222.1	1.55	-0.117	220	217.5552361	-0.010216856	-0.1157	217.5552361	-0.009581
1739	5950.1	1.55	-0.117	214	212.2399652	-0.008224451	-0.1157	212.4119493	-0.007421
1955	5915.1	12.24	-0.115	207	204.2394367	-0.013135094	-0.1157	204.4345141	-0.012257
2124.3	11029.4	12.7	-0.115	200	195.9102785	-0.020445526	-0.1157	195.244232	-0.01878
	323	12.35	-0.114	194	184.1451613	0.00075992	-0.1157	184.7433134	0.00404
1527.57	2252.57	12.73	-0.117	153	175.5515039	0.154652966	-0.1157	177.0345255	0.156693
							-0.1157		
	323	0.05	-0.155	552			-0.1157		
5511.37	5934.37	3.15	-0.155	552	403.3221196	-0.282575791	-0.1157		
							-0.1157		
	323	0.05	-0.155	502			-0.1157		
2557.91	3213.91	1.01	-0.155	519	539.2252814	-0.128575757	-0.1157		
5559.29	9357	2.75	-0.155	524	500.2155336	-0.371823421	-0.1157		
							-0.1157		
	323	0.05	-0.155	540			-0.1157		
1527.57	2252.57	0.5	-0.155	552	607.1547532	-0.054316058	-0.1157		
1573.43	4224	1	-0.155	597	624.4935513	-0.050599158	-0.1157		
1577	5121	1.48	-0.155	702	548.3422783	-0.073211	-0.1157		
1503.48	5004.48	1.55	-0.155	718	653.5955736	-0.073169135	-0.1157		
							-0.1157		
	323	0.04	-0.155	597			-0.1157		
1527.57	2252.57	0.25	-0.155	712	571.5104302	-0.059705936	-0.1157		
1573.43	4224	0.7	-0.155	751	582.7559726	-0.050529597	-0.1157		
2547	7071	1.25	-0.155	777	599.7916527	-0.039387242	-0.1157		
2743.37	5934.37	1.57	-0.155	814	734.8559532	-0.105475704	-0.1157		
							-0.1157		
	233.9	0.05	-0.155	523			-0.1157		
1045.9	1252.9	0.21	-0.155	555	503.2096206	0.030552458	-0.1157		
5707.3	5962.1	1.51	-0.155	559	483.552223	-0.149527376	-0.1157		
2521.3	5551.4	2.62	-0.037	554	521.5422341	-0.055605955	-0.1157		
							-0.1157		
	233.9	0.07	-0.155	593			-0.1157		
1771.7	1375.5	0.5	-0.155	505	555.5479951	-0.05150395	-0.1157		
2244.7	4222.1	1.25	-0.155	522	555.5251155	-0.101554057	-0.1157		
1021.9	5222.1	1.55	-0.155	543	500.0602555	-0.060763022	-0.1157		
1739	5950.1	2.11	-0.155	521	503.4744527	-0.028221477	-0.1157		
	323	4.14	-0.155	548	487.0359934	-0.013255222	-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	-0.041050394	-0.1157	505.5009194	-0.012154
2547	7071	5.01	-0.05	495	469.159955	-0.052202244	-0.1157	455.2434545	-0.011427
523.48	5004.48	5.25	-0.05	454	480.5515592	-0.003335521	-0.1157	487.5232751	0.008105
1050.52	9357	5.52	-0.051	459	455.507575	0.020591755	-0.1157	475.2223589	0.037522
							-0.1157		
	233.9	0.05	-0.155	548			-0.1157		
2914	3117.9	0.55	-0.155	571	510.3401795	-0.105220559	-0.1157	1935	453.0924
2104.2	5222.1	1.54	-0.155	593	525.1173201	-0.05534153	-0.1157	0.045521	
2751.3	7953.4	1.77	-0.155	512	547.1437345	-0.102043055	-0.1157	455.5555	0.014555
	323	3.45	-0.155	594			-0.1157		
2557.91	3213.91	4.05	-0.155	575	552.9345534	-0.040217258	-0.1157		
4753.57	5004.45	4.55	-0.027	550	514.7025072	-0.080587544	-0.1157		
							-0.1157		
	233.9	0.03	-0.155	553			-0.1157		
4015.4	4222.3	0.59	-0.155	519	515.3357513	-0.0755634205	-0.1157		
1021.8	5222.1	0.73	-0.155	591	555.5959315	-0.049250316	-0.1157		
2751.3	7953.4	1.55	-0.155	708	555.3333555	-0.072975457	-0.1157		
3055	11035.4	1.75	-0.155	731	555.5044715	-0.055584554	-0.1157		
	323	3.42	-0.155	555			-0.1157		
4915	5141	3.14	-0.155	544	511.0052227	-0.051233571	-0.1157		
1930	7071	3.45	-0.053	531	519.7956555	-0.017751555	-0.1157		
1955	9357	2.55	-0.022	507	502.2200214	-0.007374755	-0.1157	510.5015775	0.005428
							-0.1157		
	377.3	0.05	-0.155	553			-0.1157		
2827.9	3205.2	0.52	-0.155	552	525.4355052	-0.040725534	-0.1157		
2551.9	5157	1.1	-0.155	535	515.331855	-0.030524739	-0.1157		
3742.7	5573.7	1.54	-0.155	553	525.1515773	-0.045571154	-0.1157		

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[illegible]



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1048.9	233.9	7.15	-0.148	289	281.1595986	0.000273432	-0.0187	289.2833202	0.009193	1695.9	275.4966	0.005462	279.9322	0.022183
1695.1	1262.8	7.46	-0.146	242	245.674696	0.016316922	-0.0187	244.6717324	0.01104					
1102.4	3117.9	8.01	-0.144	232	226.5510616	-0.025337536	-0.0187	223.3271476	-0.037383					
2739.6	6962.1	8.23	-0.143	224	223.2316144	-0.005207628	-0.0187	221.5520134	-0.013926					
993.3	7963.4	9.13	-0.138	216	203.6447846	-0.067663236	-0.0187	199.7866618	-0.076366					
561.7	3961.4	9.44	-0.135	212	209.1317733	-0.018346349	-0.0187	209.6642662	-0.0238					
561.7	3961.4	9.73	-0.132	206	204.767102	-0.001125053	-0.0187	203.650566	-0.00566					
561.7	3961.4	10.01	-0.125	201	198.2430946	-0.013716996	-0.0187	197.55151	-0.017107	1955	199.9366	-0.00207	201.3309	-0.019362
1159	11039.4	10.32	-0.127	195	193.4464844	-0.015026141	-0.0187	192.8716426	-0.016961					
1772.5	12610	10.77	-0.124	193	189.9442367	-0.021346266	-0.0187	189.347911	-0.024485					
329	329	11.06	-0.123	192	191.5176911	0.019940728	-0.0187	191.3599572	0.018272	2124.3	189.3303	-0.033723	192.7932	-0.026665
1002.79	1326.79	11.34	-0.122	174	174.0673993	0.000385926	-0.0187	173.9363362	-0.000638					
1695.12	3212.91	11.66	-0.12	166	162.4997236	-0.023052655	-0.0187	161.3342847	-0.013277					
1013.09	4224	12.12	-0.119	162	155.7326168	-0.001546146	-0.0187	155.7339774	-0.001627					
1677	8101	12.63	-0.115	153	150.7349264	-0.016003431	-0.0187	150.7378854	-0.014656					
570	7071	12.9	-0.113	146	146.1342447	0.000607069	-0.0187	146.2022239	0.001367					
533.45	8034.48	13.15	-0.117	144	143.53167113	-0.003522638	-0.0187	143.6977599	-0.002059					
1062.52	9367	13.45	-0.116	138	138.5207046	0.008671772	-0.0187	139.0332753	0.007482	1903.48	143.8941	-0.000735	143.787	-0.001516
	323	0.05	-0.165	529			-0.0187							
1627.57	2253.57	0.41	-0.165	592	603.1924239	-0.072011556	-0.0187							
2852.45	5141	0.93	-0.165	574	510.7746292	-0.065805991	-0.0187							
1932	7071	1.3	-0.166	702	644.802693	-0.078255299	-0.0187							
	233.9	0.06	-0.165	536			-0.0187							
1048.9	1262.8	0.41	-0.165	582	515.2491996	-0.070983046	-0.0187							
1695.1	3117.9	0.56	-0.165	529	517.4435221	-0.021823442	-0.0187							
4935.5	7963.4	2.22	-0.163	515	484.3991666	-0.177677346	-0.0187							
3269	11039.4	3.03	-0.166	542	487.4114414	-0.137817267	-0.0187							
323	323	3.93	-0.166	480	466.9456336	0.013844662	-0.0187							
1002.79	1326.79	4.3	-0.165	466	464.7349363	-0.002714533	-0.0187							
524.75	3262.57	4.47	-0.165	491	451.1821178	-0.061956597	-0.0187							
560.34	3212.91	4.75	-0.165	483	469.1456695	0.016620664	-0.0187			1927.57	439.082	-0.087146	448.9562	-0.054542
1613.09	5141	6.31	-0.165	443	423.3266963	-0.033169966	-0.0187							
2853.45	5034.48	6.17	-0.059	431	399.6564292	-0.07270202	-0.0187							
1062.52	9367	6.45	-0.094	413	414.8031692	0.004366	-0.0187	422.6990546	0.024066					
767.37	9534.37	6.7	-0.094	427	402.7478134	-0.03979559	-0.0187	407.4854143	-0.046599					
	12664.1	3.74	-0.165	599			-0.0187			1629.69	417.7312	-0.021707	404.5382	-0.052679
	233.9	3.55	-0.165	556	675.6557916	0.039170094	-0.0187							
1048.9	1262.8	4.23	-0.166	539	621.3477333	-0.011576383	-0.0187							
722.8	1975.6	4.5	-0.158	526	622.3922095	-0.004172456	-0.0187							
2244.7	4220.3	5.23	-0.101	594	574.0776427	-0.035559326	-0.0187	557.4721367	-0.04466					
1001.8	5222.1	5.66	-0.091	581	570.512711	-0.016356268	-0.0187	573.5482982	-0.012137					
1739	3962.1	6.12	-0.034	560	542.561047	-0.030925702	-0.0187	551.6317791	-0.014941					
993.5	7963.4	6.43	-0.031	549	540.2471964	-0.014147474	-0.0187	546.0543269	-0.003632	2739.6	541.8352	-0.033243	532.5966	-0.048756
1629	9981.4	7.01	-0.032	513	510.5356395	-0.004810366	-0.0187	522.4272135	0.018376					
1159	11039.4	7.37	-0.051	507	451.3633366	-0.032541547	-0.0187	457.6992229	-0.017662					
323	323	8.2	-0.037	447	459.060399	0.036993365	-0.0187	474.0349266	0.063481					
1002.79	1326.79	8.47	-0.035	438	402.794362	-0.011807949	-0.0187	426.6223229	-0.003146					
524.75	2253.57	8.76	-0.091	426	422.3449961	-0.008582574	-0.0187	426.360762	0.002543					
560.34	3212.91	9.1	-0.052	409	406.0286363	7.23E-06	-0.0187	412.6204591	0.009287	1927.57	426.004	9.43E-06	417.0193	-0.019778
1013.09	4224	9.42	-0.094	380	391.159019	0.008100046	-0.0187	366.7669305	0.017367					
917	5141	9.71	-0.059	350	377.146381	-0.007512155	-0.0187	376.6691274	-0.000344	1673.43	430.6923	0.027165	363.1866	0.008171
860	8101	10	-0.057	364	357.036922	0.008338952	-0.0187	369.6657063	0.016293					
570	7071	10.3	-0.059	351	351.1525693	0.000497743	-0.0187	353.5522163	0.007294	1977	359.6637	0.016692	364.2782	0.002764
533.45	8034.48	10.66	-0.1	341	326.4328429	-0.004601834	-0.0187	341.4028966	0.001184					
1062.52	9367	10.9	-0.101	325	326.1553293	0.008665026	-0.0187	320.2637445	0.008952	1603.48	344.3956	0.006052	339.5562	-0.004746
	233.9	0.05	-0.165	541			-0.0187							
2814	3117.9	0.68	-0.165	562	584.43524	-0.128824591	-0.0187							
2104.2	5222.1	1.16	-0.165	704	640.49696	-0.090204516	-0.0187							
3993	9915.1	2.03	-0.165	722	654.3744252	-0.116924409	-0.0187							
329	329	3.49	-0.165	724	606.0019649	-0.1625830726	-0.0187							
1702.79	1176.79	3.74	-0.165	587	705.1619964	0.078347736	-0.0187							

4955	6836	1.07	-0.165	531	557.7145231	0.011559025	-0.1157				
	11731	1.58	-0.165	545	504.3353596	-0.075155316	-0.1157				
	1239.6	2.54	-0.045	529	505.5793255	-0.05355429	-0.1157				
551.9	2222.6	2.71	-0.037	544	517.5643075	-0.045552359	-0.1157	521.5232279	-0.337463		
554.7	3225.2	2.88	-0.044	518	532.4043446	0.031791365	-0.1157	540.3555555	0.347265		
5751.2	5955.4	4.05	-0.045	491	451.2595915	-0.030337595	-0.1157	451.1379111	0.000323	1955.5	519.322 0.005657
933.9	5932.2	4.2	-0.052	478	475.5592132	0.004093773	-0.1157	455.5424374	0.317571		
	233.9	4.57	-0.055	455	435.510566	-0.041550355	-0.1157	455.235932	0.379316		
5791.2	4222	5.57	-0.057	440	425.4677745	-0.037573039	-0.1157	440.2332446	0.323623		
975.5	4997.5	5.74	-0.055	430	421.1359232	0.002544007	-0.1157	425.7559935	0.313355		
1949.5	6946.1	6.12	-0.05	424	410.3575532	-0.025207475	-0.1157	425.2155555	-0.001555		
2315.2	5852.3	5.77	-0.051	402	355.5524555	-0.025590005	-0.1157	405.1400537	0.307511		
2801.8	12564.1	7.46	-0.052	355	370.1317742	-0.035515755	-0.1157	355.4305514	0.301515		
	233.9	7.55	-0.055	357	375.3407595	0.034151412	-0.1157	350.4913083	0.355802		
1771.7	1975.5	7.55	-0.059	343	345.5900151	0.011541153	-0.1157	351.5555711	0.32446		
3345.5	5222.1	5.4	-0.071	332	322.5572345	-0.025590555	-0.1157	321.1573562	-0.002551		
1738	5932.1	8.55	-0.073	325	320.5732181	-0.007254276	-0.1157	325.2342145	0.305515		
1955	5915.1	3.05	-0.075	311	305.0055124	-0.005405553	-0.1157	314.5525371	0.015503		
593.9	5551.4	5.15	-0.077	304	301.5432735	0.005750975	-0.1157	305.5555132	0.317554		
1155	11039.4	5.52	-0.075	291	291.7755455	0.002555552	-0.1157	295.0535955	0.313562		
1773.5	12512	5.53	-0.03	259	277.353374	-0.020977477	-0.1157	281.5410521	-0.004295	2124.3	300.4535 0.322455
	323	10.2	-0.052	252	273.5999425	0.045501303	-0.1157	275.5527455	0.357722		
1527.57	2252.57	13.45	-0.054	254	253.3543329	-0.002502525	-0.1157	255.0532127	0.305521		
1573.43	4224	10.77	-0.055	247	245.1341755	-0.005744225	-0.1157	247.5573145	0.305522		
2547	7271	11.25	-0.057	235	231.2055579	-0.01152555	-0.1157	237.0114225	0.304255		
532.45	5004.45	11.45	-0.055	231	231.5231353	0.002254555	-0.1157	232.7373357	0.307532		
1052.52	5027	11.5	-0.05	224	225.5255553	0.005050975	-0.1157	227.1597355	0.314151		
	223.9	0.05	-0.155	559			-0.1157			1955	229.5221 0.021574
7749.5	7953.4	2.11	-0.155	541	422.433507	-0.215150355	-0.1157				
1925	5551.4	2.51	-0.155	529	505.5710425	-0.035727705	-0.1157				
2525.5	12510	3.57	-0.022	525	482.5955325	-0.045454757	-0.1157				
	5552.3	2.55	-0.155	541			-0.1157				
2521.5	12554.1	2.55	-0.155	519	455.3271455	-0.042555552	-0.1157				
	203.9	3.51	-0.155	455	504.5053275	0.041043934	-0.1157				
1771.7	1875.5	4.22	-0.057	472	455.2775257	-0.035553434	-0.1157				
1142.3	2117.9	4.52	-0.055	459	455.773242	-0.007035545	-0.1157	455.555527	-2.45505		
2104.2	5222.1	5.22	-0.057	445	427.7322215	-0.035571412	-0.1157	451.7247537	-0.025335	2914	423.5251 -0.077055
759.7	5952.9	5.44	-0.055	433	431.4343235	0.001035057	-0.1157	455.553593	0.305523		
2550.5	5551.4	5.52	-0.075	410	380.4905972	-0.071573505	-0.1157	354.5541341	-0.037575		
1852	11531.4	7.02	-0.072	359	255.7193551	-0.032254714	-0.1157	354.0105425	-0.012555		
	1252.9	0.05	-0.155	541			-0.1157				
2557.5	4222.3	0.55	-0.155	555	501.7323935	-0.05553335	-0.1157				
4554.5	5915.1	2.03	-0.155	544	454.205344	-0.005515725	-0.1157				
2554.5	12510	2.55	-0.155	553	454.5455555	-0.135535553	-0.1157				
	2320	0.15	-0.155	525			-0.1157				
1903	4223	0.7	-0.155	554	502.2331422	0.012550529	-0.1157				
1910	5113	1.01	-0.155	575	572.3523753	-0.005753571	-0.1157				
1901	5014	1.23	-0.105	553	555.0753453	-0.011557593	-0.1157				
555	5975	1.5	-0.115	541	551.5592934	0.01572234	-0.1157	552.5555715	0.321555		
551	5940	1.55	-0.1	555	525.5345555	-0.04714453	-0.1157	525.5052355	-0.047215		
534	12574	0.55	-0.105	515	541.5710302	0.044057592	-0.1157	544.0122537	0.345155	1925	541.3357 -0.02462
	227	2.53	-0.125	455	450.7252414	0.027150557	-0.1157	454.0255454	0.334245		
5515	4345	3.15	-0.104	451	454.0053957	-0.057701553	-0.1157	422.2553545	-0.131275		
1120	5125	3.23	-0.102	445	471.3110455	0.055125345	-0.1157	472.270555	0.351557		
4559	5554	4.15	-0.111	404	402.5142574	-0.002567577	-0.1157	405.2455155	0.307044		
1174	11038	4.42	-0.105	417	391.5203523	-0.003550455	-0.1157	392.5071555	-0.055735		
753	11751	4.55	-0.059	425	405.0595077	-0.027433217	-0.1157	410.0529153	-0.33517		
	377.3	5.02	-0.102	375	401.1953433	0.075150754	-0.1157	405.2544217	0.355025	1927	555.5975 -0.092741
2527.5	3225.2	5.52	-0.102	352	353.2145753	-0.024255544	-0.1157	355.2545014	-0.015555		
1555.5	5172	5.55	-0.104	341	345.3172325	0.015555257	-0.1157	345.2507055	0.322255		
1555.5	5172	5.55	-0.104	341	345.3172325	0.015555257	-0.1157	345.2507055	0.322255		

1552.9	5962.9	6.72	-0.129	243	245.891276	0.018013482	-0.1157	247.5522362	0.023371		
1529.9	7912.8	9.2	-0.11	236	229.4917141	-0.02783172	-0.1157	230.6121066	-0.022926		
552.5	5876.3	5.4	-0.11	251	230.4172621	-0.002822718	-0.1157	230.5493555	-0.003556		
955	9962.3	5.63	-0.11	223	324.727085	0.007744776	-0.1157	325.2290109	0.009556		
2631.8	12664.1	10.34	-0.109	214	204.8339322	-0.042645031	-0.1157	205.2454414	-0.036232	1949.5	225.0971 0.009404 224.1532 0.035203
	223.9	10.63	-0.11	193	328.1875259	0.021195508	-0.1157	328.6135376	0.253235		
1771.7	1975.6	10.2	-0.111	192	152.3713376	0.002498551	-0.1157	153.1755255	0.006132		
1942.3	5117.9	10.52	-0.111	155	187.9074157	-0.002452459	-0.1157	188.2319033	0.001074		
2104.2	5222.1	14.35	-0.111	152	175.5592591	-0.000303558	-0.1157	180.4552455	0.002416	2914	159.3893 0.00735 159.5544 0.033002
1738	5953.1	14.67	-0.112	175	173.2355577	-0.010081955	-0.1157	173.7153179	-0.007322		
1955	5915.1	12.07	-0.112	170	165.5194297	-0.018715113	-0.1157	167.3330225	-0.015528		
955.3	9551.4	12.27	-0.112	155	155.9755291	0.005530479	-0.1157	155.2343325	0.007481		
1950	11531.4	12.73	-0.112	150	155.1503572	-0.022597705	-0.1157	155.7144579	-0.020535		
	323	0.05	-0.155	592			-0.1157				
5745	7071	2.21	-0.155	580	455.7584554	-0.005019599	-0.1157				
531.45	5004.48	2.5	-0.155	595	550.01118392	-0.053150504	-0.1157				
1052.52	9067	2.54	-0.155	577	574.1511872	-0.004537254	-0.1157				
	223.9	0.05	-0.155	552			-0.1157				
4015.4	4220.3	1.1	-0.155	573	454.4513597	-0.012703142	-0.1157				
5819.1	11035.4	2.82	-0.155	555	455.3504497	-0.011155042	-0.1157				
	323	3.87	-0.155	482	508.2502047	0.033045593	-0.1157				
1527.57	2250.57	4.15	-0.051	479	455.0011505	-0.041751252	-0.1157				
1573.43	4224	4.75	-0.054	451	445.2712279	-0.034115511	-0.1157	451.5039425	0.001053		
917	5141	5.03	-0.055	447	445.3351254	-0.001475453	-0.1157	453.1323522	0.013552		
950	5121	5.22	-0.059	435	431.7495154	-0.007472375	-0.1157	435.525777	0.009105		
1503.45	5004.48	5.27	-0.071	415	427.2541223	-0.015552475	-0.1157	415.5210585	0.009155	1577	444.7703 0.0222451 431.1112 -0.00954
1052.52	9067	5.18	-0.073	405	355.8252554	-0.015055975	-0.1157	405.9555375	-8.45E-05		
	323	0.07	-0.155	593			-0.1157				
1527.57	2250.57	0.5	-0.155	596	525.7350321	-0.001920204	-0.1157				
2550.43	5141	1.22	-0.155	715	527.5105595	-0.010335554	-0.1157				
2553.45	5004.48	1.55	-0.155	599	554.3925797	-0.003815877	-0.1157				
1052.52	9067	2.24	-0.155	731	575.9535575	-0.075253341	-0.1157				
	327	0.04	-0.155	572			-0.1157				
3055	3253	0.54	-0.155	552	515.7701227	-0.033557159	-0.1157				
2579	5972	0.57	-0.155	537	524.3055155	-0.023537205	-0.1157				
2957	5959	1.45	-0.051	524	505.1953345	-0.03555104	-0.1157				
925	5854	1.55	-0.077	497	512.5105554	0.031850425	-0.1157	515.2779515	0.342513		
	377.3	2.52	-0.114	425	445.3551113	0.035015055	-0.1157	455.1545342	0.294452		
551.3	1239.5	3.71	-0.124	415	415.4433125	0.001055215	-0.1157	415.5554735	0.002153		
1933.4	5172	3.45	-0.124	358	375.3557555	-0.022525542	-0.1157	375.1453225	-0.025355		
1555.2	7142.3	3.87	-0.122	373	355.4175321	-0.005503537	-0.1157	353.7571222	-0.011345		
502.1	7942.3	4.05	-0.124	355	355.0493324	0.025415333	-0.1157	354.5552333	0.024555		
5174.3	11115.5	4.73	-0.12	345	325.1705727	-0.045775735	-0.1157	327.2125023	-0.051557		
	230.9	5.25	-0.105	374	322.5302031	-0.13734754	-0.1157	322.5775224	-0.137452		
551	511.8	5.15	-0.055	354	355.5455555	0.013245597	-0.1157	370.0935448	0.015741		
550.7	1552.5	5.55	-0.055	355	357.0950353	0.003075553	-0.1157	355.2755547	0.005404		
707.5	2370.1	5.67	-0.051	355	350.5225555	-0.01425133	-0.1157	351.5545452	-0.011235		
1551.5	4322	5.55	-0.05	340	342.5015341	0.007710553	-0.1157	345.7527549	0.017205	3159.2	359.3712 0.00547 352.0224 -0.011235
575.5	4957.5	5.12	-0.059	329	332.3545457	0.01015555	-0.1157	334.2154275	0.015513		
1545.5	5945.1	5.62	-0.055	315	312.120521	-0.012275454	-0.1157	315.3555505	0.001155	2527.5	339.5555 0.032555 334.9173 0.017595
2515.2	5552.3	7.25	-0.055	302	291.545722	-0.02754425	-0.1157	297.5072551	-0.005575		
	203.9	5.2	-0.055	255	255.0357544	0.011423525	-0.1157	275.51275	0.041255		
1045.9	1252.9	5.55	-0.05	255	251.1555713	0.005570322	-0.1157	252.4724555	0.025223		
722.5	1975.5	5.45	-0.052	252	332.553347	0.011515752	-0.1157	335.703337	0.014525		
3245.5	5222.1	5.55	-0.053	244	315.0255555	-0.024475555	-0.1157	340.7455545	-0.013323	1771.7	252.1455 0.040587 255.1579 0.032534
2731.3	7953.4	5.25	-0.053	235	232.5711325	-0.015257505	-0.1157	235.3055557	-0.002529		
1525	5551.4	5.55	-0.054	227	237.4352345	0.001775553	-0.1157	235.2532522	0.013102		
1550	11531.4	5.52	-0.054	215	217.4255714	-0.007157755	-0.1157	215.4455432	0.00204		
	323	10.35	-0.055	205	205.0130315	5.255215E-05	-0.1157	210.3024533	0.011175		
1002.79	1325.79	10.51	-0.055	205	204.0542597	0.005155541	-0.1157	204.5523055	0.009174		
1555.71	4775	11.02	-0.055	197	155.7155774	-0.037775555	-0.1157	155.4455715	-0.040771		

2894	3117.3	0.96	-0.165	526	555.113425	-0.11162559	-0.1157		
	323	3.65	-0.165	572	448.2552532	-0.215317733	-0.1157		
2687.51	3210.91	4.63	-0.165	556	503.5570494	-0.055095237	-0.1157		
1510.09	5141	5.27	-0.035	532	514.8955377	-0.031551253	-0.1157		
953	5131	5.57	-0.035	518	513.2348252	-0.009159175	-0.1157	525.4432241	0.0163
2955	9367	5.32	-0.043	459	455.5715125	-0.039710445	-0.1157	502.1050031	0.225606
	235.9	0.05	-0.155	573			-0.1157		
2953.4	3224.2	0.75	-0.155	597	530.5535555	-0.111000039	-0.1157		
	223.9	3.5	-0.155	518	431.513325	-0.157744743	-0.1157		
5015.2	5222.1	4.45	-0.155	525	475.4504057	-0.035555534	-0.1157		
4659.3	5551.4	5.34	-0.034	513	473.5441515	-0.075717092	-0.1157		
1950	11531.4	5.75	-0.034	500	455.5504975	-0.025555005	-0.1157	505.5525339	0.010752
	323	5.32	-0.042	457	455.7033715	0.025505125	-0.1157	450.503755	0.074455
1002.79	1325.79	5.57	-0.045	445	445.5255721	-0.00555513	-0.1157	452.2255042	0.313551
1555.12	3210.91	7.05	-0.04	431	421.055551	-0.023577051	-0.1157	415.5502425	0.312255
1553.09	5141	7.57	-0.044	413	404.5905544	-0.015555552	-0.1157	415.5554235	0.3155
1933	7371	8.05	-0.057	397	355.0755235	-0.023475247	-0.1157	401.5542531	0.311457
1995	9367	5.55	-0.05	354	375.7313077	-0.021553053	-0.1157	355.7253415	0.307055
	12527	2.45	-0.155	594			-0.1157		
	1235	3.55	-0.155	559	555.023413	0.012550075	-0.1157		
2085	3259	3.5	-0.155	533	527.3455555	0.005150153	-0.1157		
4535	7929	3.54	-0.114	500	455.552255	-0.025555555	-0.1157		
1030	5959	4.12	-0.057	520	455.3422255	-0.055555753	-0.1157	455.5445512	-0.257551
305	5554	4.3	-0.052	503	503.5159175	0.011715153	-0.1157	511.5222257	0.017734
1174	11028	4.55	-0.031	492	455.1707145	-0.00775531	-0.1157	452.7554743	0.301513
1742.429	12751.43	4.53	-0.031	475	470.1222251	-0.010355555	-0.1157	477.5559235	0.324354
	377.3	5.15	-0.055	454	452.554151	0.015035325	-0.1157	455.5104727	0.327775
1543.2	2120.5	5.5	-0.055	423	415.3725521	0.025245527	-0.1157	440.5904315	0.341525
	230.8	7.54	-0.13	279	315.5515114	0.132100471	-0.1157	315.5533001	0.292445
591	511.5	5.04	-0.145	255	275.5502752	0.075575057	-0.1157	275.5554737	0.075757
1555.3	2370.1	5.31	-0.15	245	247.5555055	-0.004555514	-0.1157	245.1712531	-0.31135
1551.9	4322	5.5	-0.155	235	240.5047535	0.023424525	-0.1157	235.400705	0.314471
575.5	4957.5	5.75	-0.157	229	225.715713	0.002125534	-0.1157	225.150155	-0.303555
555.3	5952.9	5.55	-0.155	220	221.5525421	0.015255545	-0.1157	221.521112	0.305732
2353.4	5575.3	5.55	-0.155	209	202.5555774	-0.030314541	-0.1157	157.1425723	-0.255743
1557	10533.3	10.15	-0.155	195	155.5555141	-0.005755031	-0.1157	151.1243442	-0.324525
	233.9	10.55	-0.135	152	152.7405575	0.004055502	-0.1157	175.3455425	-0.220555
2514	3117.3	11.25	-0.135	175	174.1152937	-0.010705559	-0.1157	171.5555535	-0.223545
3542.2	5550.1	11.71	-0.15	170	155.5733743	-0.033552504	-0.1157	153.2577522	-0.303454
2521.3	5551.4	12.15	-0.147	155	151.2751373	-0.022555742	-0.1157	155.1422455	-0.335522
1550	11531.4	12.47	-0.145	152	155.7955523	-0.015757051	-0.1157	157.4151235	-0.225232
	323	12.55	-0.143	147	154.0559454	0.045054555	-0.1157	152.4255055	-0.335325
1527.57	2253.57	13.21	-0.142	144	141.4757371	-0.017525255	-0.1157	140.4245554	-0.324527
1575.43	4224	13.55	-0.14	139	135.0517473	-0.005534152	-0.1157	137.0151354	-0.314255
517	5141	13.75	-0.135	135	135.5744035	-0.005523525	-0.1157	125.5513423	-0.334477
2553.45	5004.45	14.31	-0.137	139	127.1524775	-0.075557544	-0.1157	125.5155205	-0.355235
1552.52	9367	14.51	-0.135	125	124.7355115	0.052521155	-0.1157	124.2701325	0.345525
757.37	5534.37	14.55	-0.134	125	125.2715105	0.002472554	-0.1157	124.5270571	-0.300553
	377.3	0.07	-0.155	559			-0.1157	1525.55	133.5555
551.3	1235.5	0.23	-0.155	544	555.0231555	0.017550057	-0.1157	131.5535	0.354505
521.9	2220.5	0.41	-0.155	525	530.2727503	0.005155544	-0.1157		
554.7	3205.2	0.55	-0.155	517	513.3502555	-0.005553472	-0.1157		
4737.1	7542.3	1.31	-0.075	500	555.3742152	-0.057705455	-0.1157	550.5552255	-0.322551
5174.3	11115.5	1.75	-0.032	537	555.5330115	0.002705014	-0.1157	575.3553153	0.321702
	230.8	2.02	-0.105	512	555.5255315	0.073457453	-0.1157	515.2555115	0.354052
551	511.5	2.11	-0.105	455	505.5155253	0.042305523	-0.1157	507.0474553	0.343303
1555.3	2370.1	2.41	-0.135	454	455.5573775	0.013455457	-0.1157	457.5723743	0.325551
1551.9	4322	2.7	-0.143	451	445.1555151	-0.005275031	-0.1157	445.7573337	-0.311525
1550.9	5952.9	3.02	-0.143	422	434.3515545	-0.017552555	-0.1157	430.5273111	-0.325375
555.2	5545.1	3.22	-0.143	425	431.5441755	0.013014457	-0.1157	425.5375551	0.305305
1532.2	5575.3	3.55	-0.142	412	405.0327114	-0.005525541	-0.1157	404.5244473	-0.317502
1737.3	17455.3	4.55	-0.137	355	355.7555153	-0.074551575	-0.1157	351.5277555	-0.357773

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1885	5918.1	5.57	-0.14	315	235.5159134	-0.0338738038	-0.1157	253.5959028	-0.377356					
555.3	5881.4	6.12	-0.128	311	310.3759525	-0.0000035539	-0.1157	309.4351928	-0.320238					
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2857.31	3210.31	7.38	-0.135	285	244.5274435	-0.045555922	-0.1157	241.3447255	-0.257247					
1930.29	5141	7.54	-0.133	245	242.2551757	-0.01008915	-0.1157	240.5559592	-0.316216					
1932	7371	8.31	-0.131	235	231.5972565	-0.018555359	-0.1157	230.1538598	-0.302472					
1935	5357	8.51	-0.128	229	222.2597705	-0.025202311	-0.1157	221.257275	-0.334771					
							-0.1157							
	5113	1.34	-0.155	570			-0.1157							
1152	7255	1.5	-0.155	555	545.4593335	-0.0034435373	-0.1157							
1714	5973	2	-0.155	525	524.5775513	-0.005355518	-0.1157							
551	5943	2.24	-0.124	534	507.5304555	-0.022331335	-0.1157							
2557	12527	2.54	-0.12	554	552.5345534	-0.015755355	-0.1157	545.095135	-0.322542					
	227	3.02	-0.055	557	551.5753337	-0.075415579	-0.1157	551.5452277	-0.3755454					
1954	2151	3.45	-0.092	551	555.0156012	-0.007155717	-0.1157	573.2153374	-0.321554					
1112	3232	3.74	-0.254	529	543.5094477	-0.027595175	-0.1157	545.1543779	-0.338123					
1572	5155	4.15	-0.095	497	501.2552455	-0.025559915	-0.1157	501.452557	-0.322555					
537	5972	4.35	-0.102	475	455.5242552	-0.015555515	-0.1157	455.105627	-0.32115					
1957	7523	4.52	-0.11	443	451.4751755	-0.023545251	-0.1157	457.0215255	-0.331552					
1033	5959	5.05	-0.117	421	430.4545515	-0.022457251	-0.1157	431.457527	-0.322454					
525	5954	5.25	-0.121	425	410.2552504	-0.005044335	-0.1157	410.2317373	-0.325542					
2517.425	12751.42	5.52	-0.121	385	377.5111724	-0.043255555	-0.1157	377.5955511	-0.344255	1935	421.1415	0.03221	419.2555	0.327515
							-0.1157							
	377.3	5.94	-0.117	435	354.7335375	-0.022535751	-0.1157	354.5235197	-0.352551					
551.3	1235.5	6.12	-0.115	355	355.5705551	-0.025152045	-0.1157	357.0741575	-0.322555					
551.9	2235.5	6.55	-0.115	375	375.5677504	-0.002555555	-0.1157	375.0733127	-0.332557					
554.7	3235.2	6.75	-0.115	355	354.5155355	-0.000552231	-0.1157	355.1275575	-0.330355	1543.2	555.5935	0.031957	555.5555	0.330355
2551.3	5157	7.42	-0.115	341	335.1522555	-0.005555535	-0.1157	325.1075514	-0.322557					
553.2	7143.2	7.53	-0.115	325	332.5351155	-0.000455575	-0.1157	322.5554555	-0.321054					
552.1	7542.3	7.8	-0.115	315	315.4325555	-0.00135552	-0.1157	315.555555	-0.322155					
1550.9	5953.2	8.21	-0.117	299	301.7225925	-0.015753955	-0.1157	304.1534554	-0.317335	1755.3	325.4152	0.023255	325.5555	0.321432
2751.5	12555	8.74	-0.117	253	230.5205175	-0.025521597	-0.1157	251.0221725	-0.324225					
	230.9	8.51	-0.115	257	252.1557134	-0.05552432	-0.1157	252.2252723	-0.357455					
1431.7	1552.5	9.23	-0.115	255	235.5552555	-0.015555333	-0.1157	237.1052533	-0.311131					
2153.5	4322	9.75	-0.11	247	244.2399317	-0.010530555	-0.1157	244.2555757	-0.312531					
2554.1	5945.1	12.35	-0.115	240	225.5525354	-0.042155235	-0.1157	225.5411313	-0.342329					
1930.2	5575.3	12.72	-0.115	234	225.5525354	-0.015753375	-0.1157	225.5525353	-0.315533					
1957	1253.3	11.07	-0.117	223	224.1550353	-0.007033375	-0.1157	224.525455	-0.305433					
	223.9	11.5	-0.115	221	214.55155	-0.007555433	-0.1157	214.5112171	-0.35921					
1048.9	1252.9	11.75	-0.115	195	155.0741523	-0.000353422	-0.1157	155.1571554	-0.322555					
1555.1	3117.9	12.15	-0.115	191	155.217352	-0.010277353	-0.1157	155.2252551	-0.323555					
2154.2	5225.1	12.54	-0.115	155	150.7574553	-0.02257552	-0.1157	150.505575	-0.322114					
1753	5953.1	13.01	-0.117	177	175.55525	-0.23041555	-0.1157	177.0555545	-0.303545					
2521.3	5551.4	13.52	-0.115	172	154.5535435	-0.043252153	-0.1157	154.5077545	-0.341315					
	323	14.35	-0.115	157	157.0354333	-0.003575151	-0.1157	155.0345755	-0.30555					
1002.75	1125.75	14.55	-0.115	154	152.5535735	-0.005350425	-0.1157	152.5554315	-0.325551					
2553.21	4124	15.23	-0.114	147	142.5425425	-0.005355547	-0.1157	143.0755555	-0.325717					
2750.45	5034.45	15.05	-0.113	143	132.2555557	-0.003133335	-0.1157	132.5511552	-0.353755					
1052.52	5057	15.25	-0.111	135	135.5535435	-0.000357233	-0.1157	135.1715557	-0.3001251					
							-0.1157							
	323	0.55	-0.155	522			-0.1157							
1527.57	2250.57	0.34	-0.155	535	500.7755577	-0.015515353	-0.1157							
2550.45	5141	0.75	-0.155	553	501.7205117	-0.052457555	-0.1157							
2553.45	5034.45	1.27	-0.155	551	525.5535555	-0.030752425	-0.1157							
1052.52	5057	1.45	-0.155	555	555.555511	-0.000430554	-0.1157							
757.37	5534.37	1.5	-0.155	552	554.5521554	-0.053555231	-0.1157							
							-0.1157							
	5034.3	0.35	-0.155	551			-0.1157			1525.53			554.5242	-0.354011
757.3	4322	0.45	-0.155	543	553.154355	-0.015752347	-0.1157							
575.5	4957.5	0.55	-0.155	523	521.0717243	-0.00047533	-0.1157							
555.5	5953.5	0.71	-0.157	517	515.157352	-0.003705391	-0.1157							
553.2	5545.1	0.84	-0.151	533	507.4751757	-0.014154554	-0.1157	502.1515777	-0.305311					
555.7	7512.5	0.57	-0.205	575	555.7511055	-0.012573452	-0.1157	554.2555515	-0.314427	1545.5	502.5555	0.005552	505.7257	0.317555
1545.5	5552.3	1.25	-0.205	545	555.3452555	-0.01523425	-0.1157	543.1255735	-0.31072					
	223.9	1.55	-0.155	521	510.2227257	-0.010035425	-0.1157	454.2555254	-0.333352					
1048.9	1252.9	1.57	-0.154	497	454.4555733	-0.015755733	-0.1157	450.5075575	-0.305074					

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[illegible]

575.5	4997.6	5.51	< 142	443	447.7844362	0.010322759	< 0.1157	448.0242834	0.006927
1548.5	5946.1	6.14	< 141	433	425.8421638	< 0.1157	< 0.1157	422.5634132	< 0.024064
555.7	7912.9	6.25	< 14	419	429.2949346	0.015003544	< 0.1157	423.5552162	0.0111786
2545.3	11755.1	6.52	< 126	399	387.171354	< 0.025644228	< 0.1157	382.0192184	< 0.042656
925	12644.1	7.12	< 134	369	360.4950983	0.011646332	< 0.1157	355.2510648	0.006682
	233.9	7.2	< 134	372	378.2246645	0.022228823	< 0.1157	377.325317	0.019747
1049.9	1262.9	7.45	< 135	352	352.4155953	0.022431534	< 0.1157	352.6372435	0.030215
2587.5	4230.9	7.55	< 137	332	332.9406143	0.005645024	< 0.1157	331.7000762	< 0.003502
1733.1	7951.4	8.48	< 135	315	325.5519557	< 0.027163531	< 0.1157	326.2203686	< 0.057041
3255	11039.4	9.04	< 135	297	297.5825576	0.004266273	< 0.1157	294.582431	< 0.02781
	323	9.04	< 135	255	378.4174257	0.021435509	< 0.1157	371.5915264	0.021583
1002.79	1325.79	9.75	< 135	251	251.2513219	0.0055475	< 0.1157	252.5075753	0.006226
2555.21	4224	10.16	< 135	234	249.5928112	< 0.015957435	< 0.1157	248.2632536	< 0.022507
2347	7371	10.63	< 133	248	240.1347453	< 0.021527734	< 0.1157	238.3645462	< 0.038773
1995	9257	10.57	< 131	242	238.1095224	< 0.015075554	< 0.1157	237.036222	< 0.020516
	3224.2	0.25	< 155	521	508.3095033	0.025504912	< 0.1157		
1773.4	4997.6	0.45	< 159	591	582.571554	0.021100096	< 0.1157		
555.3	5932.3	0.61	< 155	558	555.8423486	0.01517514	< 0.1157		
553.2	5946.1	0.73	< 251	547	535.1893525	0.025735053	< 0.1157	522.1015597	< 0.011246
555.7	7912.9	0.85	< 275	534	527.0145993	0.0174333	< 0.1157	517.5524979	< 0.003255
553.5	8975.3	0.86	< 274	515	500.3271755	< 0.01035541	< 0.1157	478.4325513	< 0.06054
1957	10893.3	1.25	< 315	539	495.3443993	0.02115417	< 0.1157	451.4734975	0.005059
524.5	11755.1	1.41	< 205	493	487.2555212	< 0.00159054	< 0.1157	482.1829782	< 0.033501
	1262.5	1.75	< 184	459	452.1155132	< 0.001545006	< 0.1157	445.3175436	< 0.019124
2587.5	4230.3	2.05	< 137	454	445.5950154	< 0.045555137	< 0.1157	445.2472329	< 0.053225
1001.9	5222.1	2.16	< 151	473	454.5255251	0.012255455	< 0.1157	450.5425273	0.003436
2721.3	7953.4	2.44	< 142	449	429.034325	< 0.013714034	< 0.1157	415.414032	< 0.022337
3255	11039.4	2.62	< 132	435	421.1559595	0.002775156	< 0.1157	415.7595175	< 0.00545
1770.5	12512	3.05	< 127	420	411.0474719	0.000115503	< 0.1157	410.5277102	< 0.001155
	323	3.27	< 124	411	406.1095571	0.002254524	< 0.1157	405.5150575	0.002505
1002.79	1325.79	3.37	< 124	397	385.7572481	< 0.003135123	< 0.1157	385.559355	< 0.003559
2555.21	4224	3.61	< 121	358	374.5515047	< 0.004703455	< 0.1157	373.5553555	< 0.052551
2347	7371	3.93	< 115	399	357.7035035	0.001510351	< 0.1157	357.5555237	0.002219
1995	9257	4.07	< 114	357			< 0.1157		
							< 0.1157		
	323	0.05	< 155	553	554.550223	< 0.05307552	< 0.1157		
5744	9257	3	< 155	532			< 0.1157		
							< 0.1157		
	323	0.03	< 155	555			< 0.1157		
1527.57	2250.57	0.62	< 155	577	525.3546039	< 0.022058715	< 0.1157		
							< 0.1157		
	323	0.05	< 155	598			< 0.1157		
1527.57	2250.57	0.41	< 155	524	573.4543394	< 0.050555535	< 0.1157		
2590.43	5141	0.57	< 155	545	553.543132	< 0.055473475	< 0.1157		
950	5121	1.17	< 135	555	532.5710991	< 0.034059525	< 0.1157		
							< 0.1157		
	323	0.03	< 155	551			< 0.1157		
1527.57	2250.57	0.25	< 155	598	553.3005155	< 0.049712554	< 0.1157		
2590.43	5141	0.51	< 155	555	555.5505595	0.015147317	< 0.1157		
950	5121	0.74	< 155	523	545.5739973	0.025711371	< 0.1157		
970	7371	0.55	< 155	552	512.5467551	< 0.060257733	< 0.1157		
513.45	5034.45	0.05	< 155	523	541.9327593	0.015940588	< 0.1157		
							< 0.1157		
	323	0.05	< 155	520			< 0.1157		
5749	7371	2.15	< 155	574	470.0342115	< 0.151177352	< 0.1157		
							< 0.1157		
	5532.3	3.05	< 155	555			< 0.1157		
2501.5	12554.1	3.82	< 155	557	533.4913448	< 0.042305544	< 0.1157		
	233.9	4.05	< 155	511	541.5743533	0.025419555	< 0.1157		
2514	5117.9	4.57	< 055	492	457.714483	< 0.05555551	< 0.1157		
2104.2	5222.1	5.62	< 057	455	452.7755574	< 0.04557354	< 0.1157	455.5157223	< 0.015357
1735	5950.1	5.18	< 054	448	435.1175235	< 0.015525255	< 0.1157	447.0555041	< 0.002035
553.3	7953.4	5.47	< 053	437	432.715355	< 0.005504551	< 0.1157	437.215571	0.0005
1574	5551.5	5.55	< 055	414	427.5577557	< 0.04551111	< 0.1157	415.5511555	< 0.003557

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1013.09	4234	9.31	-0.051	322	321.0870936	-0.002928261	-0.1197	323.8996941	0.004896	2597.91	325.7798	-0.018718	316.7637	-0.345832
1577	6101	9.83	-0.054	311	302.5594838	-0.027111281	-0.1197	308.7995121	-0.313609	"				
970	7071	10.11	-0.034	302	300.7492654	-0.004141606	-0.1197	302.8212625	0.003051	2890.39	309.4424	-0.005224	301.6834	-0.32566
1995	9387	10.72	-0.014	293	290.7348791	-0.041651137	-0.1197	285.1734345	-0.026732					
767.37	9634.37	10.89	-0.053	283	284.0216922	0.002610213	-0.1197	285.6265779	0.010325					
-----														
	203.9	0.05	-0.165	526			-0.1197							
4016.4	4220.3	0.05	-0.165	527	547.1257302	-0.427389585	-0.1197							
1773.5	5990.8	1.29	-0.165	545	597.5898026	-0.073384106	-0.1197							
5048.5	11203.4	2.53	-0.165	559	554.7004335	-0.455963031	-0.1197							
1773.5	12810	3.04	-0.165	534	620.5163355	-0.021267606	-0.1197							
	323	3.18	-0.165	555	608.7154727	0.04053927	-0.1197							
1687.81	3210.51	3.56	-0.105	571	545.753563	-0.044182912	-0.1197							
1630.99	5141	4.35	-0.095	557	544.9526275	-0.021621883	-0.1197	547.4459469	-0.317437					
1993	7071	4.77	-0.035	545	529.5698346	-0.028672484	-0.1197	534.5554939	-0.320166					
1995	9387	5.28	-0.03	527	514.6966341	-0.022569729	-0.1197	522.4696293	-0.006695					
767.37	9634.37	5.46	-0.03	513	514.6334431	0.002569162	-0.1197	516.6350377	0.010965					
-----														
	377.3	0.08	-0.165	538			-0.1197							
551.3	1238.5	0.2	-0.165	540	576.5859643	0.057135267	-0.1197							
561.9	2220.5	0.33	-0.155	578	628.5113476	-0.07284482	-0.1197							
594.7	3235.2	0.48	-0.155	541	657.5313045	0.041393491	-0.1197							
1553.9	5172	0.81	-0.155	523	616.1734243	-0.015587586	-0.1197							
555	5157	0.55	-0.167	591	605.7234167	0.031675932	-0.1197							
1785.3	7842.3	1.34	-0.167	572	566.7515449	-0.008959042	-0.1197	551.5577138	-0.028946					
2174.3	11116.5	0.55	-0.137	539	529.5534654	-0.015653699	-0.1197	514.7837933	-0.34491					
753.5	11980.2	2.11	-0.111	531	525.7752963	-0.05744154	-0.1197	527.3133731	-0.063047					
754.8	12655	2.22	-0.104	543	545.5995774	0.012335079	-0.1197	550.5131943	0.313636	"				
	511.8	2.55	-0.101	525	525.751335	-0.000510752	-0.1197	527.5546443	0.333732	1549.4	516.1744	-0.051244	519.124	-0.345832
3210.2	4322	3.07	-0.102	491	454.2577549	0.005635	-0.1197	459.087391	0.016471					
0	4322	3.07	-0.102	491	491	0	-0.1197	491	0					
2850.8	7912.8	3.84	-0.055	430	447.7573432	-0.0067152106	-0.1197	453.5829766	-0.255277					
563.5	3376.3	4.04	-0.032	455	465.5452595	0.004175759	-0.1197	470.5652939	0.006338					
1957	10333.3	4.82	-0.03	449	441.5354955	-0.015553104	-0.1197	447.7823011	-0.002791					
1830.5	12554.1	4.57	-0.039	430	425.4544493	-0.015156174	-0.1197	421.1755149	-0.001901					
	203.9	5.16	-0.035	418	422.1359065	0.012333355	-0.1197	424.7552981	0.316163					
1048.9	1252.9	5.3	-0.05	426	411.0535231	0.014545871	-0.1197	412.8212032	0.319318					
1835.1	3117.9	5.55	-0.052	391	353.0599195	0.003533336	-0.1197	355.5582511	0.31276					
2104.2	6222.1	5.85	-0.052	352	376.7570538	-0.003534033	-0.1197	380.0005195	1.53505					
1738	5950.1	5.12	-0.054	370	353.3557755	-0.00444355	-0.1197	370.5217578	0.332491					
2521.3	9551.4	5.61	-0.054	357	348.5215597	-0.022625553	-0.1197	353.3443247	-0.31324					
1550	11651.4	7	-0.054	347	340.7171512	-0.018105377	-0.1197	344.1495712	-0.009215					
	323	7.48	-0.055	325	327.6247111	0.003075254	-0.1197	331.5515229	0.003565					
2687.91	3210.31	7.52	-0.055	315	303.3259512	-0.023187774	-0.1197	311.5550115	-0.313492					
2550.09	5121	9.39	-0.035	305	297.737595	-0.023712472	-0.1197	301.2445039	-0.312313					
970	7071	9.55	-0.035	299	285.8562763	-0.000480591	-0.1197	300.1135122	0.003725					
531.45	8004.49	9.73	-0.035	293	282.5771355	0.017381724	-0.1197	284.2095939	0.321562	"				
1082.82	9387	9.93	-0.035	282	251.1871551	-0.023562429	-0.1197	282.5795553	0.002396	1603.48	295.2055	0.228268	292.5983	0.316792
767.37	9634.37	9.93	-0.035	273	276.951878	0.0033557516	-0.1197	278.0099963	0.007233	"				
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	323	0.05	-0.165	507			-0.1197							
4915	5141	1.33	-0.165	503	516.6273046	-0.175281561	-0.1197							
3825	9387	2.47	-0.165	517	512.9365197	-0.103827355	-0.1197							
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	203.9	3.81	-0.165	498			-0.1197							
1048.9	1252.9	4.15	-0.165	450	479.059402	-0.004675246	-0.1197							
1555.1	3117.9	4.7	-0.155	454	449.4159525	-0.010054796	-0.1197							
1102.4	4203.3	5.01	-0.155	437	437.4521545	0.004057552	-0.1197							
1001.6	5222.1	5.23	-0.103	426	423.1203852	-0.005801913	-0.1197	424.3284953	-0.003528	"				
755.7	5990.8	5.49	-0.11	414	415.4251254	0.003442234	-0.1197	416.4475639	0.006911	2104.2	412.5554	-0.031534	423.5498	-0.305752
593.3	5960.1	5.75	-0.11	403	402.0358366	-0.00357509	-0.1197	401.8349393	-0.002767	"				
553.3	7953.4	6.04	-0.103	394	355.7158337	-0.015875828	-0.1197	350.7755235	-0.008141	1738	434.4768	0.00367	422.2135	-0.001551
561.7	5915.1	6.31	-0.103	383	351.459995	0.001558115	-0.1197	352.5755528	0.007044	"				
555.3	9891.4	5.58	-0.11	355	357.5911175	0.007555523	-0.1197	359.0791991	0.311476	1955	379.3414	-0.001731	377.323	-0.007045
540	1001.6	5.16	-0.11	346	341.3163755	-0.005610246	-0.1197	343.154574	-0.006713					



1995	9367	10.08	-0.108	233	235.218551	-0.028784877	-0.1157	257.1500004	-0.022318	1930	258.3044	-0.058888	258.9127	-0.059221
787.37	9534.37	10.28	-0.108	252	256.1645592	0.018528013	-0.1157	256.786277	0.019522					
	9552.3	2.25	-0.165	557										
2521.5	12844.1	3.05	-0.165	558	535.3152459	-0.034213346	-0.1157							
	233.9	2.25	-0.165	526	550.5303335	0.048919048	-0.1157							
2514	5117.9	3.55	-0.053	507	450.5517597	-0.021533559	-0.1157							
2104.2	5222.1	4.24	-0.055	498	457.5755749	-0.005451455	-0.1157	457.550918	-0.448705					
1738	5953.1	4.55	-0.1	471	455.5511155	-0.00334334	-0.1157	472.7624782	0.003784					
1995	5915.1	4.95	-0.057	453	445.5176385	-0.020556739	-0.1157	452.954584	-0.013105					
595.3	5981.4	5.37	-0.057	448	447.0704597	-0.002074557	-0.1157	445.2057139	0.002921					
1155	11039.4	5.45	-0.055	438	412.715335	-0.012055301	-0.1157	425.5733501	-0.005554					
792	11831.4	5.55	-0.055	425	427.5597584	0.003345846	-0.1157	425.5705179	0.005616	2124.3	435.5455	-0.002635	431.8175	-0.014115
	323	6.25	-0.103	357	395.4775218	0.000230021	-0.1157	402.1557077	0.055752					
1002.79	1325.79	6.45	-0.115	355	357.3539433	0.002504307	-0.1157	357.5950125	0.005607					
2854.21	4224	7.01	-0.117	343	354.5156757	-0.024752724	-0.1157	325.5552343	-0.022346					
917	5141	7.2	-0.115	333	335.2571837	0.005554337	-0.1157	325.4552351	0.007355					
1930	7371	7.55	-0.12	323	317.5118335	-0.015052434	-0.1157	317.5955383	-0.015754					
2755.37	9534.37	8.25	-0.115	311	255.5957723	-0.035701597	-0.1157	255.5409967	-0.035551					
	2223.5	2.67	-0.165	515										
554.7	3235.2	2.81	-0.165	531	507.4049232	-0.044397505	-0.1157							
2551.5	6157	3.25	-0.165	493	457.7523826	0.005555177	-0.1157							
1755.3	7942.3	2.73	-0.165	458	451.5224292	-0.01340855	-0.1157							
3174.3	11115.6	4.37	-0.115	442	422.4553448	-0.01251553	-0.1157							
763.5	11580.2	4.53	-0.053	455	432.5155535	-0.04595001	-0.1157	432.541555	-0.046232					
794.5	12555	4.7	-0.055	431	445.5347725	0.034419427	-0.1157	447.5330155	0.039125					
	233.9	4.22	-0.115	392	421.5133035	0.075053574	-0.1157	421.5152399	0.052654	1549.4	425.5404	-0.012557	424.9825	-0.014157
551	511.5	4.55	-0.125	351	355.2541235	0.015055942	-0.1157	355.4101357	0.015445					
550.7	1552.5	5.05	-0.135	372	375.5554333	0.005557155	-0.1157	375.1475345	0.005461					
1551.7	3234.2	5.32	-0.145	351	351.45523	0.001255705	-0.1157	355.7547947	-0.003335					
1773.4	4937.5	5.54	-0.145	348	347.4357355	-0.001627195	-0.1157	344.5220032	-0.009954					
1545.5	5945.1	5.01	-0.147	341	322.5037489	-0.021553022	-0.1157	325.3340153	-0.034211	2993.4	353.7105	0.007505	354.9327	0.010255
555.7	7912.8	6.2	-0.147	325	323.3321523	0.022451255	-0.1157	321.5075445	0.017201					
1549.5	5552.3	5.55	-0.144	314	305.504555	-0.015207497	-0.1157	305.1225594	-0.025215					
2501.8	12554.1	7.22	-0.135	303	255.5005557	-0.042551529	-0.1157	255.1238102	-0.055007					
	233.9	7.5	-0.134	287	255.5413325	0.03245523	-0.1157	255.5725131	0.032215					
1045.9	1252.8	7.54	-0.134	274	282.230525	0.00003427	-0.1157	281.5550597	0.027978					
3569.3	5222.1	9.12	-0.132	258	255.7207535	-0.03455555	-0.1157	255.5311355	-0.041302					
2721.3	7953.4	8.47	-0.125	251	257.0340552	-0.015100315	-0.1157	255.5000507	-0.015554					
1525	5551.4	9.75	-0.127	252	252.3972334	0.001575551	-0.1157	251.7409259	-0.001025					
1550	11531.4	5.1	-0.125	247	241.5535577	-0.021517175	-0.1157	241.0433031	-0.024114					
575.5	12510	3.25	-0.123	242	241.4455771	0.005004455	-0.1157	241.2025535	0.005012					
	323	9.54	-0.123	225	232.5024567	0.02155331	-0.1157	232.7323133	0.023755					
1002.79	1325.79	9.59	-0.123	221	234.2110125	0.014519439	-0.1157	234.127451	0.014051					
1555.12	3210.51	9.57	-0.123	215	212.4500512	-0.018755222	-0.1157	212.2555377	-0.012734					
2550.39	5101	12.45	-0.123	207	202.5593315	-0.014755553	-0.1157	202.5155173	-0.015345					
1503.45	5334.45	12.51	-0.121	202	155.2554151	-0.015455237	-0.1157	155.105317	-0.015251					
1052.52	9367	11.02	-0.12	195	155.5555134	0.005002554	-0.1157	155.5315435	0.004754					
	323	0.05	-0.155	519										
3901	4224	1.43	-0.155	531	527.2571113	-0.154154435	-0.1157							
2547	7371	2.45	-0.155	512	533.4751213	-0.037457315	-0.1157							
1995	9367	3.07	-0.155	500	555.2254534	-0.02550594	-0.1157							
	233.5	0.07	-0.155	551										
4015.4	4233.3	1.25	-0.155	534	502.3555551	-0.154753577	-0.1157							
5551.1	5551.4	2.55	-0.155	555	455.5577294	-0.144155733	-0.1157							
1550	11531.4	2.5	-0.155	554	532.7451527	-0.033353975	-0.1157							
	323	4.05	-0.055	475	515.7023775	0.039713247	-0.1157							
2557.51	5212.51	4.55	-0.074	453	450.5522277	-0.05152555	-0.1157	450.5255573	-0.025715					
1015.39	4224	5.15	-0.075	450	445.5555542	-0.007402591	-0.1157	452.5345525	0.005255					
917	5141	5.45	-0.032	425	435.5555555	0.015551957	-0.1157	440.5220595	0.027051					
1930	7371	5.04	-0.035	412	235.7475252	-0.025735251	-0.1157	402.4975554	-0.0055	1530.09	442.5755	0.034575	432.4535	0.025074
4555	5557	5.55	-0.032	387	257.5755555	-0.035555555	-0.1157	255.5555555	-0.035555					

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955	6167	1.21	-0.141	516	828.8847316	0.0188896	-0.1167	624.2324778	0.013361					
1785.3	7842.3	1.28	-0.142	594	888.8882341	0.000385714	-0.1167	552.1841346	-0.003108					
1950.9	9903.2	1.88	-0.139	574	873.7342664	-0.00046297	-0.1167	570.0588975	-0.008906	2779.3	301.075	0.011611	608.0425	0.01659
2751.8	12888	1.83	-0.129	532	880.4492482	-0.000383296	-0.1167	548.7432351	-0.022147					
	232.8	2.08	-0.089	617	883.9851328	-0.001313066	-0.1167	553.35723	-0.103133					
1431.7	1682.6	2.8	-0.082	500	888.8098333	-0.001983681	-0.1167	602.0871741	0.003445					
8260.3	7812.8	3.32	-0.061	582	831.0391011	-0.007861562	-0.1167	551.8875866	-0.061781					
1849.5	8862.3	3.58	-0.054	588	864.1555511	-0.003780056	-0.1167	672.8422526	0.008626					
2801.8	12664.1	3.81	-0.038	841	848.0007879	0.0080436	-0.1167	587.9578916	0.001364					
	202.8	4.22	-0.082	496	832.8233444	0.078465368	-0.1167	537.738931	0.084147					
1771.7	1875.6	4.34	-0.038	470	477.360479	0.018650594	-0.1167	488.2663368	0.034488					
3245.5	5222.1	4.8	-0.073	457	439.8276798	-0.038232848	-0.1167	482.1555938	-0.013635					
1738	5980.1	5.15	-0.077	448	441.4283412	-0.003071143	-0.1167	447.4289973	0.005484					
1985	8915.1	5.81	-0.075	438	438.2770427	-0.018483074	-0.1167	434.1691936	-0.03191					
956.3	9881.4	5.86	-0.031	422	427.2892753	0.01482738	-0.1167	428.8758716	0.018863					
2829.8	12810	6.06	-0.083	403	402.0707277	-0.001809608	-0.1167	408.8463264	0.013763					
	329	6.22	-0.086	356	386.3851844	0.024238228	-0.1167	387.8838394	0.002268					
1002.79	1328.79	6.41	-0.088	378	377.3202778	0.002811377	-0.1167	375.7442026	0.008967					
1288.12	1210.81	6.75	-0.09	389	381.0247538	-0.021667316	-0.1167	384.5187128	-0.011066					
1013.09	4224	6.92	-0.051	380	381.8871016	0.004282206	-0.1167	383.3872732	0.008437					
2647	7071	7.44	-0.052	348	338.4922203	-0.024447843	-0.1167	344.3002276	-0.013631					
1955	8987	7.74	-0.053	357	334.8216095	-0.007384278	-0.1167	337.8934831	0.001761					
							-0.1167							
	8988.4	1.33	-0.185	382			-0.1167							
839.8	9903.2	1.47	-0.188	383	378.8817843	0.084189381	-0.1167							
1213.4	11116.6	1.68	-0.185	338	348.0823284	0.000894487	-0.1167							
1845.4	12888	1.8	-0.222	315	328.4282853	0.042628842	-0.1167							
	232.8	2.03	-0.24	326	310.1352267	-0.04873483	-0.1167	302.06827	-0.072804					
581	811.8	2.11	-0.224	318	321.8026838	0.021513197	-0.1167	318.8185224	0.012108					
880.7	1682.6	2.22	-0.217	307	310.8796813	0.012837073	-0.1167	307.8332423	0.001088					
2289.8	4322	2.93	-0.202	293	286.8159134	0.00961406	-0.1167	287.0274189	-0.028284	1431.7	310.5128	0.011442	317.8919	0.034827
1880.8	8982.9	2.81	-0.18	287	282.3426858	-0.012743709	-0.1167	278.8878682	-0.038234					
1829.8	7812.8	3.07	-0.188	279	278.2388463	-0.002847804	-0.1167	273.8778832	-0.018689					
1849.5	8862.3	3.22	-0.188	270	270.7748113	0.00385693	-0.1167	267.7283975	-0.008404					
971	10833.3	2.46	-0.182	284	288.8812636	0.008838798	-0.1167	284.6138487	0.002326					
	232.8	2.84	-0.16	247	281.9559813	0.020075946	-0.1167	248.8348119	0.007207					
1048.9	18282	3.57	-0.182	238	243.1851934	0.021780565	-0.1167	242.2301871	0.017774					
1888.1	3117.3	4.23	-0.182	232	231.2800127	-0.00318986	-0.1167	228.4742188	-0.010887					
2872.9	8980.8	4.57	-0.149	226	222.2149879	-0.018747797	-0.1167	218.8482046	-0.028115					
1882.6	7883.4	4.82	-0.146	219	219.3371403	0.001828413	-0.1167	217.7383887	-0.002877					
3035	11039.4	5.26	-0.141	214	207.784189	-0.028189504	-0.1167	208.8737593	-0.040309					
	323	5.71	-0.139	195	202.777344	0.034883936	-0.1167	200.8435236	0.024712					
1002.79	1328.79	5.85	-0.138	191	192.7425203	0.008124639	-0.1167	192.2227122	0.005402					
524.78	2280.87	5.97	-0.138	185	188.278286	-0.038407728	-0.1167	187.8820883	-0.041816					
1873.43	4224	6.24	-0.133	182	188.7887448	-0.011831837	-0.1167	186.8334166	-0.016972	1827.57	189.343	-0.035498	188.894	-0.030643
2347	7071	6.64	-0.13	186	182.0038486	-0.010882096	-0.1167	182.0828482	-0.018932					
513.48	8204.48	5.77	-0.128	174	182.1434877	0.048801711	-0.1167	181.8897737	0.048401					
							-0.1167							
	263	1.811	-0.188	488			-0.1167							
2800.7	2883.7	1.834	-0.185	443	443.0163064	3.484988-05	-0.1167							
2882.2	5715.9	2.108	-0.185	431	428.8089021	-0.008083784	-0.1167							
1783.3	7489.3	2.371	-0.118	420	422.8712455	0.008121839	-0.1167							
1714.8	8214	2.445	-0.135	404	411.3427822	0.018178238	-0.1167	411.4844864	0.018476					
	228.9	2.64	-0.182	382	384.8782875	0.023191721	-0.1167	382.4287411	0.028913	3498.1	437.8529	0.006757	413.8808	0.024408
2877.6	3104.4	2.87	-0.187	372	371.8256081	-0.001003742	-0.1167	368.0288936	-0.013878					
1128.6	4214	3.567	-0.171	384	387.7087237	0.010180859	-0.1167	386.0226173	0.008886					
4849.8	8783.8	3.374	-0.161	381	348.8917182	-0.012274304	-0.1167	338.8281827	-0.032882					
1803.4	19584.2	3.547	-0.16	338	342.8331385	0.017178103	-0.1167	341.8584828	0.008936					
	1888.88	3.68	-0.148	330	320.827878	-0.027481886	-0.1167	318.3781032	-0.044318					
4787.38	8828.7	4.13	-0.146	320	324.1277261	0.012889144	-0.1167	322.7363138	0.008467					
828.8	9882.2	4.47	-0.14	309	307.2383938	-0.008701953	-0.1167	304.8088888	-0.014218					
	742	4.74	-0.125	318	299.1733824	-0.088204143	-0.1167	297.8378003	-0.084347					
981.88	1183.88	4.8	-0.128	309	318.7543088	0.021781807	-0.1167	318.8481808	0.021182					
2817.72	4281.6	5.04	-0.122	289	280.2498442	0.004178408	-0.1167	288.8878889	0.002802					
824.8	8784.8	6.17	-0.117	281	282.1878118	0.017888117	-0.1167	282.0888888	0.0178417					

	1318	7.01	-0.111	246	242.7135991	-0.013305233	-0.1157	243.1825521	-0.011452
1795	2814	7.14	-0.111	243	242.2316239	0.005173433	-0.1157	242.4757039	0.013318
2048.13	4853.13	7.1	-0.111	254	239.4472662	0.005184655	-0.1157	239.775227	0.007786
4421.32	9283.55	7.55	-0.11	223	233.3272345	-0.020484555	-0.1157	234.0552739	-0.017165
	0	8.05	-0.105	222	216.1224555	-0.005534282	-0.1157	216.5057038	-0.00497
2323	2323	8.24	-0.11	207	215.3105525	0.042147732	-0.1157	215.7255533	0.042152
1803	4259	8.44	-0.111	195	202.1352572	0.020723575	-0.1157	202.4957287	0.022705
955	5159	8.53	-0.112	191	195.3753545	0.025541333	-0.1157	195.0315274	0.025145
2107	7255	8.74	-0.114	165	182.258574	0.00135072	-0.1157	185.520244	0.022801
749	5214	8.81	-0.115	179	184.4482171	0.020435555	-0.1157	184.5215255	0.033247
1925	5943	8.82	-0.117	174	174.5555534	0.003155511	-0.1157	174.5922415	0.0331978
934	12574	9.13	-0.115	152	171.7239592	-0.055451753	-0.1157	171.7745555	-0.055151
844	11719	9.24	-0.115	173	175.5193125	0.032251529	-0.1157	175.5529055	0.038455
	227	9.47	-0.115	195	158.3224225	-0.145553551	-0.1157	158.2579215	-0.145557
1056	3233	9.75	-0.115	155	151.4738055	0.013255555	-0.1157	151.5722755	0.014435
752	4345	9.82	-0.114	182	157.195774	0.025554552	-0.1157	157.259174	0.025552
1927	5972	10.02	-0.114	171	177.5074554	0.042354555	-0.1157	175.1002555	0.042322
2957	9559	10.35	-0.114	153	154.1805552	0.013255557	-0.1157	154.4555552	0.034554
935	3954	10.47	-0.114	155	155.5031555	0.005555523	-0.1157	157.0155534	0.005525
	377.3	11	-0.113	171	145.4155035	-0.141757557	-0.1157	145.3525755	-0.141207
551.3	1235.5	11.05	-0.111	155	155.1577344	0.015022557	-0.1157	155.2597433	0.015557
551.9	2223.5	11.15	-0.11	152	154.324325	0.012455552	-0.1157	154.1575537	0.013335
554.7	3225.2	11.25	-0.11	154	150.0724195	0.035431255	-0.1157	150.2277552	0.040344
1955.5	5172	11.51	-0.11	145	145.5974552	0.013455555	-0.1157	150.3175327	0.015552
555	5157	11.64	-0.11	140	145.7147551	0.042315557	-0.1157	145.5555534	0.042123
553.2	7140.2	11.75	-0.111	135	135.0354135	0.02224751	-0.1157	135.1541433	0.022335
502.1	7542.3	11.87	-0.111	131	133.2341353	0.017054245	-0.1157	133.2515723	0.018225
1552.9	5523.2	12.12	-0.112	129	127.1375555	-0.005755157	-0.1157	127.4147255	-0.004672
2751.3	12555	12.5	-0.113	121	122.3252214	0.012511747	-0.1157	122.5555154	0.013774
	232.8	12.62	-0.112	137	115.2743751	-0.125354254	-0.1157	115.3703142	-0.125534
551	511.9	12.67	-0.112	133	135.1325355	0.02252555	-0.1157	135.2345442	0.024333
1553.3	2372.1	12.8	-0.111	137	132.5454254	-0.044155514	-0.1157	131.0775434	-0.04422
1551.5	4022	12.97	-0.111	129	134.2423532	0.040527547	-0.1157	134.4353455	0.042153
575.5	4957.5	13.05	-0.11	132	127.3125554	-0.035510575	-0.1157	127.4344555	-0.034557
1545.5	5545.1	13.2	-0.105	129	125.5552525	-0.003255555	-0.1157	125.5435423	-0.00321
2915.2	5552.3	13.64	-0.105	124	121.5553554	-0.001155545	-0.1157	124.3057525	0.002474
	223.9	14.15	-0.103	117	115.5555557	-0.002555553	-0.1157	117.3545339	0.002521
2214	2117.9	14.35	-0.103	114	112.5555445	-0.002745729	-0.1157	114.0053255	5.55E-05
323	15.55	15.07	-0.107	105	55.22057552	-0.051250311	-0.1157	100.5754515	-0.058735
3501	4224	15.55	-0.105	125	102.5525555	-0.021755534	-0.1157	104.1415704	-0.017532
4545	5057	15.4	-0.105	103	55.72157535	-0.031815547	-0.1157	100.4217779	-0.025231
	4223	0.55	-0.155	355					
955	5159	1.15	-0.155	573	572.5254257	-0.000555247	-0.1157		
555	5113	1.33	-0.155	525	555.5545355	0.002153551	-0.1157		
1152	7255	1.5	-0.155	577	505.5517453	0.050415571	-0.1157		
1714	5979	1.55	-0.141	545	551.3425234	0.005754552	-0.1157	517.1555291	-0.052772
551	5940	2.15	-0.122	533	533.0535315	0.000157554	-0.1157	520.0555545	-0.024205
2557	12527	2.64	-0.157	501	504.4452275	0.005755551	-0.1157	451.2555557	-0.035407
	227	2.75	-0.154	533	495.5557373	-0.073442535	-0.1157	455.2552552	-0.051555
1954	2151	3.17	-0.145	503	507.4754552	0.005555555	-0.1157	455.3354255	-0.035255
1112	3233	3.25	-0.114	473	490.5135555	0.025175245	-0.1157	457.5144524	0.023742
752	4345	3.55	-0.127	455	455.7314757	0.000755751	-0.1157	455.7579115	-0.022554
1123	5155	3.8	-0.133	443	454.2325735	0.022575777	-0.1157	452.3423554	0.022553
527	5972	3.55	-0.135	434	432.5572144	-0.001022243	-0.1157	432.1314255	-0.004205
1957	7925	4.4	-0.137	415	412.7254553	-0.007523457	-0.1157	405.5534553	-0.01545
1033	5559	4.51	-0.135	405	405.5733423	0.001555574	-0.1157	404.222205	-0.03157
2075	11329	4.55	-0.132	391	385.5925553	-0.010255553	-0.1157	384.5010435	-0.015255
	377.3	5.42	-0.121	373	371.3535571	-0.004312447	-0.1157	365.2551123	-0.010201
551.3	1235.5	5.5	-0.12	352	355.3453224	0.005423457	-0.1157	354.3075455	0.005374
551.9	2223.5	5.52	-0.125	355	352.5515172	-0.005754455	-0.1157	351.7534434	-0.005233
554.7	3225.2	5.83	-0.123	345	345.1575575	0.000542151	-0.1157	345.5121432	-0.030141
2551.5	5157	5.55	-0.125	327	325.1021355	-0.005745525	-0.1157	323.7199451	-0.010291
552.2	7140.2	5.73	-0.125	317	320.0255174	0.001557754	-0.1157	315.5571033	0.005414
552.1	7542.3	5.85	-0.125	305	315.5555553	0.007525525	-0.1157	315.5715577	0.005574

1950.9	5962.9	9.12	-0.128	234	231.7952304	-0.006480839	-0.1197	231.1849776	-0.01203
593.2	5948.1	9.32	-0.128	229	228.4546636	-0.00273816	-0.1197	228.1788786	-0.023654
1950.2	5976.3	9.7	-0.128	224	218.5173524	-0.025155163	-0.1197	218.2956209	-0.026474
	1975.6	10.51	-0.128	191	193.7966795	-0.01454173	-0.1197	192.657733	0.003156
1140.3	3117.9	11.2	-0.104	187	184.4836737	-0.015465825	-0.1197	184.2002432	-0.014972
2372.9	5990.9	11.86	-0.103	173	172.7951233	-0.034684133	-0.1197	172.3054229	-0.03374
599.3	5960.1	12.08	-0.122	176	174.5477392	-0.003727206	-0.1197	174.2212086	-0.030446
	923	12.34	-0.12	184	160.5331335	-0.022723433	-0.1197	160.0545169	-0.026654
1527.57	2260.57	13.87	-0.119	182	144.5335616	-0.036443066	-0.1197	144.5105826	-0.036696
1972.43	4224	14.42	-0.117	145	140.4428006	-0.03142596	-0.1197	140.4969917	-0.031056
4543	9367	15.52	-0.114	142	126.9693228	-0.005920262	-0.1197	127.3403937	-0.033237
767.37	5534.37	15.72	-0.111	133	125.6059415	-0.00135591	-0.1197	125.6975639	-0.003307
	1209	3.49	-0.162	542			-0.1197		
2089	3293	3.55	-0.165	539	609.4077929	-0.006655593	-0.1197		
752	4345	4.17	-0.165	594	599.3056266	0.002199361	-0.1197		
1120	5185	4.44	-0.127	558	578.1094236	0.012515586	-0.1197		
507	5972	4.64	-0.158	582	564.553566	0.008297374	-0.1197	563.7544939	0.006826
1957	7925	5.1	-0.157	519	520.5346572	0.004930968	-0.1197	519.6335963	-0.002156
1030	5959	5.34	-0.126	519	503.3206169	0.000567236	-0.1197	501.2451197	-0.023489
805	8964	5.56	-0.14	482	495.5259572	0.015445824	-0.1197	493.1731657	0.012807
1174	11039	5.82	-0.129	458	485.5712937	-0.002829144	-0.1197	484.1034523	-0.00325
753	11791	6.01	-0.114	455	488.0043255	0.00654667	-0.1197	483.43591	0.003166
	3773	6.46	-0.146	419	421.1399384	0.00639377	-0.1197	427.2162826	0.028969
1543.2	2220.6	6.9	-0.142	402	354.5673896	-0.018265946	-0.1197	350.1981296	-0.028124
554.7	3206.2	7.12	-0.144	383	391.5519056	0.022328736	-0.1197	389.5489462	0.017102
3935	7140.2	7.59	-0.148	329	345.1213127	0.052159127	-0.1197	327.901599	0.032166
1625.2	8855.4	8.45	-0.148	319	311.9177741	-0.015125497	-0.1197	303.2322568	-0.033716
555.8	9903.2	8.63	-0.148	306	309.7382697	0.012305176	-0.1197	307.6126697	0.005924
1977	11890.2	9.06	-0.148	297	290.3483466	-0.021368342	-0.1197	287.1326791	-0.033223
724.8	12595	9.24	-0.144	292	290.6690397	-0.004857246	-0.1197	289.2555079	-0.009259
	233.9	9.42	-0.144	275	255.4339924	0.034151132	-0.1197	254.1191912	0.029417
591	811.9	9.59	-0.144	259	270.7643447	0.006555902	-0.1197	265.7136568	0.007593
550.7	1552.6	9.8	-0.144	251	262.3004267	0.006065736	-0.1197	260.5872041	-4.5E-05
1951.7	3224.2	10.16	-0.144	251	249.5919725	-0.004016444	-0.1197	247.6144514	-0.012691
1773.4	4897.5	10.55	-0.142	239	239.5515527	0.002309049	-0.1197	237.2529533	-0.007145
1548.5	5946.1	10.58	-0.142	234	227.0095595	-0.029875237	-0.1197	224.7455015	-0.039544
1820.2	5976.3	11.35	-0.14	223	222.7932085	-0.006777235	-0.1197	220.7655139	-0.01002
595	9962.3	11.61	-0.125	217	217.2341567	0.00094096	-0.1197	216.2320957	-0.002619
571	1053.3	11.9	-0.125	212	212.1204569	0.00055524	-0.1197	211.3440466	-0.003094
504.5	11759.1	11.97	-0.127	206	207.7284285	0.013315163	-0.1197	207.0343859	0.013168
	1282.8	12.55	-0.127	184	191.2504794	0.035404779	-0.1197	185.5410576	0.025528
722.6	1975.5	12.74	-0.127	162	175.5525157	-0.000763301	-0.1197	175.2722782	-0.004043
2344.7	4220.3	13.26	-0.127	172	168.7332138	-0.016952843	-0.1197	167.1642451	-0.028115
1001.9	5222.1	13.5	-0.125	169	167.5298712	-0.002795575	-0.1197	166.8932551	-0.006898
1735	5952.1	13.82	-0.125	154	150.5095436	-0.021181333	-0.1197	149.5382937	-0.027326
592.3	7953.4	14.1	-0.124	151	159.7375934	-0.007841035	-0.1197	159.2003235	-0.011175
591.7	8915.1	14.22	-0.121	155	155.8155543	-0.007499429	-0.1197	156.2239977	-0.010614
599.3	5581.4	14.52	-0.122	184	154.077385	0.000306555	-0.1197	152.8491159	-0.002235
1550	11831.4	14.94	-0.122	148	146.5245034	-0.00925322	-0.1197	145.5570355	-0.014277
	325	15.39	-0.121	140	140.7433569	0.005105599	-0.1197	140.0161503	0.00013
3501	4224	15.3	-0.126	135	128.1013765	-0.000139635	-0.1197	123.7759824	-0.068855
2647	7271	15.82	-0.127	131	126.1012576	-0.037542232	-0.1197	126.3344937	-0.042857
2763.37	5534.37	17.55	-0.124	127	121.1958734	-0.045716759	-0.1197	120.6202672	-0.053234
	8936	1.28	-0.162	728			-0.1197		
1093	7929	1.47	-0.165	373	592.3796803	0.026353193	-0.1197		
1935	3954	1.53	-0.165	343	544.5152692	0.007211228	-0.1197		
	377.2	2.69	-0.105	926	550.165946	-0.042693452	-0.1197		
2827.9	8225.2	2.16	-0.095	582	570.1120974	-0.002425967	-0.1197	574.4022794	-0.013255
3935	7140.2	3.52	-0.111	508	531.3911885	0.048045493	-0.1197	541.0495248	0.035052
5524.5	12555	4.57	-0.105	474	448.0014424	-0.024845052	-0.1197	452.1125931	-0.045176
	230.9	5.14	-0.103	454	454.4523491	0.023022135	-0.1197	455.5359185	0.026408
591	811.9	5.24	-0.113	429	445.5950154	0.048125234	-0.1197	445.1231522	0.049353
1517.1	2774.7	5.65	-0.114	473	407.0146556	-0.035510593	-0.1197	405.4218782	-0.037767

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2867.5	4223.3	8.28	-0.11	316	307.0612337	-0.034359448	-0.1157	308.7084739	-0.029219
1773.5	5993.8	8.55	-0.11	310	307.182662	-0.005151413	-0.1157	323.0155932	-0.3064
1532.5	7953.4	9.65	-0.11	302	308.7375395	-0.010501559	-0.1157	325.5372342	-0.307333
551.7	5315.1	9.03	-0.11	295	308.9157354	0.003107479	-0.1157	325.4250755	0.304763
553.3	5881.4	9.21	-0.11	298	308.7119148	0.0023471826	-0.1157	325.3154451	0.304234
1950	11831.4	9.6	-0.111	275	374.5542887	-0.000459495	-0.1157	375.5062596	0.303295
	323	10.05	-0.112	245	380.5750051	0.033557775	-0.1157	391.5211715	0.35776
2887.91	3210.31	10.53	-0.112	259	331.320341	-0.02213372	-0.1157	332.1755518	-0.32355
2890.09	8121	11	-0.113	239	325.9293312	-0.000553589	-0.1157	325.5375914	-0.327305
1503.48	5004.49	11.33	-0.113	225	321.9758753	-0.017830547	-0.1157	324.4714234	-0.315476
1052.52	9387	11.52	-0.113	222	322.5364575	0.002731572	-0.1157	322.5049905	0.304077
	3224.3	0.37	-0.155	550					
737.9	4322	0.48	-0.155	554	572.4131371	0.033235815	-0.1157		
975.5	4997.5	0.62	-0.155	535	544.7934252	0.015125458	-0.1157		
1545.5	5945.1	0.6	-0.155	520	517.3550396	-0.000551593	-0.1157		
555.7	7512.9	1.04	-0.154	535	511.3554455	0.010589522	-0.1157	505.995324	-7.355-06
1949.5	5562.3	1.34	-0.157	493	488.1515232	-0.005833533	-0.1157	475.5257131	-0.328751
2801.5	12564.1	1.55	-0.127	474	491.5043575	-0.021510425	-0.1157	455.0345231	-0.339345
	1252.9	2.1	-0.14	435	486.3255535	0.05152237	-0.1157	455.1559223	0.055602
7552.3	5915.1	2.59	-0.117	425	391.3412414	-0.075902951	-0.1157	394.2397375	-0.295377
2915.3	11831.4	3.41	-0.105	415	404.1517455	-0.025115035	-0.1157	404.5233293	-0.025911
	323	3.77	-0.107	383	357.4555555	0.037850175	-0.1157	355.5057535	0.343557
3921	4224	4.2	-0.105	375	353.7553475	-0.02550574	-0.1157	355.7774137	-0.024594
3750.45	5004.49	4.57	-0.101	355	354.4553524	-0.031450755	-0.1157	355.5425717	-0.024745
	377.3	0.05	-0.155	751					
4754.7	5172	0.55	-0.155	704	555.7371273	-0.025541551	-0.1157		
1555.2	7142.2	1.25	-0.155	579	575.3554114	-0.000549321	-0.1157		
2753	5923.2	1.75	-0.052	552	537.2515245	-0.002550224	-0.1157		
1213.4	11115.5	2.02	-0.074	571	534.2545235	-0.054701459	-0.1157	532.3455235	-0.345551
753.5	11550.2	2.15	-0.073	545	550.5533382	0.01550523	-0.1157	554.5759253	0.32555
	230.9	2.45	-0.103	555	525.1431735	0.10435522	-0.1157	523.5530555	0.143234
551	811.9	2.6	-0.123	533	545.1351352	0.024555533	-0.1157	547.4759159	0.327155
550.7	1552.5	2.52	-0.125	544	515.1471755	-0.045555533	-0.1157	515.7734145	-0.045375
2559.5	4022	3.42	-0.125	514	505.2555335	-0.014550575	-0.1157	501.7545273	-0.015874
4554.3	5575.3	4.45	-0.112	500	451.5357123	-0.052225575	-0.1157	445.5353515	-0.13213
2757.5	12564.1	5.15	-0.1	475	455.1553541	-0.043455052	-0.1157	450.7455453	-0.038107
	233.9	5.34	-0.104	425	470.4753055	0.055551355	-0.1157	471.5553191	0.055527
1771.7	1575.5	5.52	-0.105	435	404.5515525	-0.05427543	-0.1157	407.5555555	-0.03077
2244.7	4223.3	6.45	-0.105	359	375.5535235	-0.027342425	-0.1157	381.5541257	-0.015293
1770.5	5932.9	6.51	-0.105	350	373.0555117	-0.015517374	-0.1157	374.5125515	-0.013555
1552.5	7953.4	7.31	-0.103	335	357.3042074	-0.023775571	-0.1157	350.534542	-0.023205
551.7	5915.1	7.55	-0.103	355	355.1557454	-0.004757554	-0.1157	357.5059145	-0.03025
2915.3	11831.4	9.14	-0.101	345	334.7591557	-0.013401247	-0.1157	335.1240995	-0.022753
	323	9.47	-0.101	320	322.5593715	0.033372055	-0.1157	324.5575553	0.345505
1527.57	2253.57	9.01	-0.101	312	255.5701573	-0.025557155	-0.1157	303.014532	-0.025755
550.34	3210.31	9.27	-0.1	303	302.4394759	-0.001845925	-0.1157	301.5155232	0.003215
2550.09	8121	9.55	-0.1	255	275.1142552	-0.003155552	-0.1157	265.0509235	-0.017735
570	7071	10.17	-0.055	251	250.5147552	-0.001725557	-0.1157	251.7331577	0.002505
2753.37	5534.37	10.75	-0.055	271	252.1520551	-0.022545420	-0.1157	255.3154759	-0.020951
	323	0.03	-0.155	515					
1927.57	2253.57	0.57	-0.155	525	550.3059132	-0.075455423	-0.1157	555.155531	-0.09573
	5113	1.21	-0.155	525					
1901	5314	1.55	-0.155	507	503.4554553	-0.005553244	-0.1157		
1925	3543	1.54	-0.155	455	454.4552235	-0.003175559	-0.1157		
2557	12527	2.55	-0.111	452	451.2375559	-0.001555133	-0.1157		
	227	2.77	-0.055	455	440.7755593	-0.05575552	-0.1157	441.5557253	-0.055111
975	1225	2.55	-0.057	452	477.0035722	0.032525254	-0.1157	481.7355552	0.042715
2355	3253	3.37	-0.075	430	425.5735132	0.02255235	-0.1157	445.4515575	0.345305
1572	5155	3.74	-0.057	412	411.5712552	-0.001525575	-0.1157	417.7575531	0.013555
1571	5535	4.05	-0.052	399	395.5171721	-0.005222525	-0.1157	400.5551121	0.054231
1177	5555	4.45	-0.055	375	355.5155555	0.015155577	-0.1157	354.5575555	0.007555

1555.5	5172	6.42	-0.115	290	292.9976966	0.010336986	-0.1197	291.7943007	0.01238	2827.9	519.9747	1.022716	312.5133	0.318014
885	6157	6.54	-0.117	278	282.4529176	0.016083331	-0.1197	282.7550363	0.017104					
1755.3	7942.3	7.03	-0.116	297	285.3203896	-0.006250579	-0.1197	285.8999193	-0.006244					
1553.9	9933.2	7.42	-0.115	293	284.822131	-0.016133654	-0.1197	284.8919763	-0.015262	2770.3	270.3527	0.01236	269.5797	0.009662
2761.6	12665	7.58	-0.115	244	242.2078064	-0.007346056	-0.1197	242.3027734	-0.006956					
	233.9	8.17	-0.121	226	238.5133359	0.000069272	-0.1197	238.5460635	0.0002					
551	511.8	6.26	-0.124	216	222.5997947	0.002505022	-0.1197	222.5633433	0.033384					
3210.2	4322	6.84	-0.125	205	201.5427032	-0.017011219	-0.1197	201.0177537	-0.01946					
1590.8	7912.9	9.53	-0.125	199	188.7457931	-0.021513517	-0.1197	188.0997966	-0.054976					
583.5	5976.3	5.71	-0.124	196	194.7563395	-0.001239894	-0.1197	194.8724962	-0.002152					
1957	13833.3	10.11	-0.122	193	185.9831931	-0.021665552	-0.1197	185.9539485	-0.023348					
	233.9	10.67	-0.122	173	177.5514024	-0.007365457	-0.1197	177.5535003	-0.009155					
1048.9	1262.8	10.55	-0.122	171	175.1845178	0.004473654	-0.1197	175.1120064	0.024047					
2667.5	4220.3	11.35	-0.121	167	161.0689933	-0.03693673	-0.1197	160.889774	-0.026642					
1773.5	5990.8	11.6	-0.12	162	162.0785664	0.000472569	-0.1197	162.0238931	0.000147					
2924.3	8915.1	12.05	-0.119	155	151.3210879	-0.025613369	-0.1197	151.2699939	-0.029747					
5953.3	5931.4	12.24	-0.118	153	154.5321442	-0.021516543	-0.1197	154.5515291	-0.021152					
3929.8	12810	12.84	-0.117	147	147.0603482	0.000342636	-0.1197	147.004151	0.001363					
	323	13.1	-0.117	133	142.4955237	0.012973259	-0.1197	142.5955907	0.033301					
1002.79	1305.79	13.28	-0.116	135	135.0845951	0.0023433	-0.1197	135.1241094	0.002919					
2515.31	5141	13.52	-0.115	131	134.3945486	-0.046606491	-0.1197	129.1958225	-0.044311					
1920	7071	14.27	-0.114	125	125.7755945	-0.01778138	-0.1197	125.5757445	-0.016907					
1555	9087	14.65	-0.114	124	122.9362214	-0.013643375	-0.1197	122.5734282	-0.011576					
	323	0.03	-0.155	590			-0.1197							
1002.79	1305.79	0.14	-0.155	586	671.1351275	0.005160543	-0.1197							
524.78	2259.57	0.24	-0.155	589	657.0974314	-0.046317239	-0.1197							
5850.43	6101	0.72	-0.155	713	650.5283051	-0.087817366	-0.1197							
2955	9357	1.16	-0.155	731	676.4194829	-0.07469555	-0.1197							
	377.3	0.05	-0.155	521			-0.1197							
1843.2	2220.5	0.5	-0.155	607	591.2555525	-0.026622632	-0.1197							
594.7	3235.2	0.72	-0.155	595	591.2038976	0.001779715	-0.1197							
2951.8	6157	1.15	-0.093	574	545.5529425	-0.045541912	-0.1197	550.4016217	0.013421					
1755.3	7942.3	1.74	-0.093	593	548.4759205	-0.003103555	-0.1197	544.7556937	-0.039173					
1024.1	5955.4	1.56	-0.095	537	519.527373	-0.000039507	-0.1197	550.6650298	0.019427					
933.8	9933.2	2.16	-0.096	593	592.5972117	0.005502239	-0.1197	531.5155592	-0.011267					
2751.8	12665	2.69	-0.093	540	515.15122	-0.044050333	-0.1197	535.1554529	0.015477	1930.3	537.4257	-0.022255	525.5558	-0.043844
	233.9	2.66	-0.093	527	525.1226976	0.00402768	-0.1197							
1421.7	1562.5	3.2	-0.095	507	505.9627352	-0.002006439	-0.1197	517.2359716	0.023451					
2359.5	4322	3.65	-0.092	459	478.1182132	-0.022349669	-0.1197	452.6524762	0.009329					
1920.9	5932.9	4.1	-0.094	478	484.3265135	-0.017973312	-0.1197	475.7513795	-0.004704					
1929.9	7912.9	4.45	-0.095	494	455.195339	-0.016913552	-0.1197	469.2157562	0.004776					
1949.5	5952.3	4.86	-0.093	444	443.695311	-0.000216994	-0.1197	451.9739031	0.020212					
2801.6	12854.1	5.31	-0.07	424	420.7166482	-0.007743754	-0.1197	430.6193977	0.016542					
	203.9	5.46	-0.075	397	415.4550175	0.045005063	-0.1197	415.5712914	0.056655					
1045.9	1252.9	5.7	-0.075	354	385.7871481	0.004575157	-0.1197	265.2179239	0.015411					
1889.1	5117.9	6.12	-0.082	389	395.1720282	-0.010373907	-0.1197	371.4679566	0.006622					
1102.4	4220.3	6.37	-0.089	393	398.12128	-0.008216722	-0.1197	361.4221422	0.003555					
1773.5	5990.8	6.73	-0.087	352	344.6153759	-0.014810355	-0.1197	349.1505397	-0.002426					
1552.5	7953.4	7.12	-0.089	333	334.0394519	-0.011726444	-0.1197	332.3237036	0.003556					
1528	5981.4	7.41	-0.09	325	322.5637932	-0.007434513	-0.1197	326.4560931	0.004521	2872.9	550.7826	0.002235	343.0169	-0.019952
1550	11821.4	7.66	-0.081	314	311.6554319	-0.007428028	-0.1197	314.8220639	0.002936					
	323	8.22	-0.092	299	300.7555089	0.005974501	-0.1197	303.6800302	0.016321					
2887.91	1210.91	8.5	-0.092	291	278.8257489	-0.002825069	-0.1197	280.8575532	-0.004819					
1013.09	4324	5.13	-0.093	283	285.0377566	0.000345429	-0.1197	264.5071239	0.006739					
2647	7071	9.75	-0.092	271	282.7575692	-0.030415826	-0.1197	267.1437486	-0.01423					
1595	9087	10.2	-0.092	255	259.759755	-0.034623703	-0.1197	260.0095595	-0.022252					
	1238.6	2.64	-0.155	503			-0.1197							
551.9	2220.5	2.8	-0.155	599	551.5512912	0.005055516	-0.1197							
594.7	3235.2	2.57	-0.155	595	575.1557065	0.015744313	-0.1197							
1555.3	5172	3.32	-0.15	545	541.518314	-0.005827966	-0.1197							
955	6157	3.5	-0.148	529	533.3930025	0.008265499	-0.1197	520.4819766	0.002801					
1755.3	7942.3	3.53	-0.154	591	505.5115871	0.005546665	-0.1197	501.7441127	0.006093					



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797.5	4322	5.45	-0.157	393	286.4559922	0.002057358	-0.1197	384.8175089	0.0042224
0	4322	5.45	-0.152	393	393	0	-0.1197	393	0
975.5	4997.9	5.67	-0.158	374	274.536147	0.002235587	-0.1197	372.2509135	-0.00466
2515.2	7912.9	6.15	-0.151	355	252.1171236	-0.025159116	-0.1197	346.8547254	-0.052774
1849.5	8662.3	6.47	-0.148	357	392.2458374	-0.013315582	-0.1197	348.5122337	-0.023775
2601.5	12664.1	6.58	-0.141	344	335.8551129	-0.023683282	-0.1197	331.0454846	-0.037658
	203.9	7.12	-0.136	331	257.6755593	0.020761257	-0.1197	336.8007399	0.017528
1049.9	1262.9	7.25	-0.139	319	124.7212076	0.017934193	-0.1197	325.771615	0.014552
1655.1	3117.9	7.55	-0.133	310	207.7473497	-0.007284979	-0.1197	326.2467357	-0.012107
2872.9	5990.9	8.01	-0.122	302	294.8033252	-0.023359995	-0.1197	292.9120219	-0.032093
2924.3	5915.1	8.44	-0.125	295	286.8490209	-0.027620439	-0.1197	285.2358813	-0.03276
355.3	8681.4	8.6	-0.125	289	289.4339131	0.001357544	-0.1197	285.0199455	6.87E-05
1950	11631.4	8.55	-0.121	283	277.142465	-0.021696009	-0.1197	276.5320391	-0.022355
	323	9.37	-0.122	259	265.124177	0.035059457	-0.1197	262.7514293	0.023765
1527.57	2250.57	9.67	-0.121	250	249.8543225	-0.000842709	-0.1197	249.5919759	-0.001232
3150.43	5101	10.3	-0.119	240	331.5420555	-0.025597544	-0.1197	331.6507558	-0.034758
	2555	9.97	-0.115	225	234.9775194	-0.01325506	-0.1197	225.062576	-0.012892
	253	2.005	-0.155	459			-0.1197		
2600.7	2563.7	2.273	-0.155	476	473.5157104	-0.005002705	-0.1197		
2552.2	5715.9	2.55	-0.155	455	459.2755132	-0.014455503	-0.1197		
1753.3	7459.2	2.75	-0.122	441	454.0544413	0.025831939	-0.1197		
821.3	8320.5	2.852	-0.105	451	423.5952471	-0.024154593	-0.1197	422.493055	-0.034323
593.5	9214	2.955	-0.117	432	445.2504712	0.020595535	-0.1197	445.9135572	0.022208
	225.9	3.231	-0.131	414	420.155234	0.014589116	-0.1197	420.4315059	0.015525
510.7	1137.5	3.318	-0.145	421	425.7110157	0.021723234	-0.1197	425.3354277	0.023715
589.7	2127.3	3.415	-0.155	392	395.3739546	0.011152096	-0.1197	395.3994135	0.00672
2059.7	4214	3.627	-0.152	379	382.1776265	-0.003284157	-0.1197	375.5252175	-0.002866
2757.591	5971.591	3.52	-0.151	319	355.9580577	-0.00259752	-0.1197	351.4325578	-0.022563
2557.709	8629.3	4.205	-0.155	355	355.4953097	0.004214109	-0.1197	352.2808238	-0.00766
524.9	10564.2	4.317	-0.155	345	350.3952937	0.010711832	-0.1197	345.5005029	0.009323
	2931.4	4.75	-0.151	339	328.5235993	-0.029035553	-0.1197	322.5334435	-0.044437
1629.1	4553.5	4.92	-0.147	350	331.1915455	0.005913744	-0.1197	325.4339555	-0.001515
2554.55	7745.15	5.24	-0.141	325	315.741253	-0.015184975	-0.1197	315.2177413	-0.023957
2216.55	12553.7	5.55	-0.133	308	309.7474609	0.015673574	-0.1197	307.4455797	-0.001755
	1135.89	5.82	-0.135	295	295.5520497	0.005655573	-0.1197	297.1445555	0.003855
1975.52	3110.7	6	-0.134	289	285.8905993	0.003389517	-0.1197	289.8415927	-0.022547
2507.55	5316.25	6.28	-0.133	251	275.4743977	-0.00542919	-0.1197	275.2575195	-0.009403
1638.05	7555.3	6.45	-0.132	273	274.0245413	0.003752599	-0.1197	273.2500585	0.003552
521.3	8777.6	6.61	-0.132	255	255.1335555	0.015455519	-0.1197	253.7097485	0.013395
1879.1	10555.7	6.87	-0.131	230	255.5795855	-0.012001209	-0.1197	255.0394555	-0.015155
753.1	11439.3	6.58	-0.131	255	255.5590195	0.003270555	-0.1197	255.2522551	0.005231
	219	7.1	-0.125	253	251.3535529	-0.044245775	-0.1197	251.0227431	-0.045541
1543	2152	7.24	-0.127	255	255.6295595	0.010273975	-0.1197	255.2525535	0.005955
1571	4133	7.4	-0.125	251	251.14374	0.002572559	-0.1197	250.8535753	-0.002595
2752	7915	7.73	-0.125	240	241.3755172	-0.003551534	-0.1197	240.7774232	-0.002523
1635	5551	7.5	-0.125	233	237.1253379	0.017705154	-0.1197	235.5117541	0.016755
1695	11445	8.12	-0.125	225	225.5442535	0.008541173	-0.1197	225.575531	0.007465
	159	8.25	-0.123	231	220.4577445	-0.045554175	-0.1197	220.3591928	-0.045454
559	1019	8.55	-0.123	219	225.3459014	0.002050005	-0.1197	225.3514952	0.051542
1755	2514	9.45	-0.124	205	214.2771953	0.002555597	-0.1197	214.2751759	0.003184
4457.05	7311.05	9.52	-0.124	209	197.5548895	-0.006771848	-0.1197	197.1595055	-0.006572
2525.28	10235.32	9.25	-0.124	195	195.1373055	-0.044555538	-0.1197	194.8505015	-0.015554
	1453.2	9.67	-0.124	189	185.291827	0.001552271	-0.1197	187.5520753	-0.000255
1753.9	3243	9.65	-0.123	184	185.3351451	-0.003524211	-0.1197	181.15747	-0.004524
1515	5159	10.4	-0.123	175	175.2177577	0.015222555	-0.1197	175.0577229	0.017544
2107	7255	10.34	-0.124	154	171.5155077	0.042775315	-0.1197	170.8204159	0.041354
1714	5979	10.34	-0.122	157	160.1204533	0.015575553	-0.1197	155.5305159	0.018395
351	8940	10.65	-0.125	150	154.7509712	-0.03274353	-0.1197	154.5525745	-0.053355
1775	11719	10.52	-0.125	153	155.0971587	0.013705555	-0.1197	154.5412275	0.012045
	227	11.15	-0.125	155	148.1542447	-0.022155559	-0.1197	147.8224525	-0.033742
575	1255	11.25	-0.124	157	161.0157237	0.035450459	-0.1197	162.5905371	0.0375
2059	3293	11.51	-0.124	148	152.5195254	0.031240037	-0.1197	152.7749319	0.032253
752	4045	11.55	-0.124	152	145.5595152	-0.035555555	-0.1197	145.5595981	-0.055927
1173	5155	11.73	-0.124	142	145.5595981	0.035555555	-0.1197	145.5595981	0.055927

1668.6	3236.2	13.2	-0.121	131	130.5173016	-0.003884718	-0.1157	130.4812769	-0.0041899
1655.6	4172	13.44	-0.121	128	127.2801751	-0.016321401	-0.1157	127.2804687	-0.0160004
1655.2	7140.2	13.72	-0.12	119	120.5793298	-0.019779729	-0.1157	120.5359375	-0.0154228
802.1	7942.3	13.55	-0.12	115	117.4433374	-0.021245934	-0.1157	117.4355219	-0.0212413
1024.1	5959.4	13.67	-0.12	118	113.0888875	-0.041619594	-0.1157	113.0841383	-0.041666
939.5	9923.2	14.1	-0.12	114	115.1753147	-0.019105382	-0.1157	115.1734333	-0.0195066
2731.5	12555	14.53	-0.115	110	103.1507583	-0.045623459	-0.1157	103.1557599	-0.045756
	233.9	14.67	-0.115	113	103.1719796	-0.043725943	-0.1157	103.1625911	-0.043532
1431.7	1552.5	14.82	-0.115	110	110.9591913	-0.005592546	-0.1157	111.0006466	-0.003069
2159.5	4222	15.09	-0.118	107	105.5017446	-0.004655593	-0.1157	105.5525431	-0.0042
2924.1	5946.1	15.47	-0.117	104	102.2420259	-0.015903559	-0.1157	102.2050995	-0.016268
2315.2	9552.3	15.55	-0.117	104	95.50075753	-0.020764578	-0.1157	95.0129747	-0.019674
	223.9	15.6	-0.116	96	95.559309772	-0.01173454	-0.1157	94.04294831	-0.013075
2314	2117.9	15.75	-0.115	93	91.7585455	-0.01345747	-0.1157	91.55735564	-0.012266
5753.5	9551.4	17.51	-0.114	90	85.32356308	-0.051553744	-0.1157	85.80977693	-0.04876
	323	16.1	-0.113	84	82.85316075	-0.001625521	-0.1157	84.1455574	-0.001734
8744	8367	15.11	-0.112	83	74.48451897	-0.103155557	-0.1157	74.53592547	-0.097109
	5559.55	1.05	-0.109	518			-0.1157		
	5112.7	2.52	-0.105	453	434.301401	-0.034625775	-0.1157		
1595.5	5036.2	2.75	-0.105	443	435.2107369	-0.005611549	-0.1157		
1515.2	8924.4	3.04	-0.094	429	427.028957	-0.004555595	-0.1157		
	219	3.72	-0.091	407	399.4544997	-0.028342552	-0.1157	402.4553394	-0.011291
945	1155	3.52	-0.101	379	397.3721285	-0.048475265	-0.1157	399.8996093	-0.034531
997	2162	4.14	-0.107	389	369.1495924	-0.003124137	-0.1157	370.8714924	-0.007229
1001	3189	4.34	-0.109	384	359.2945582	-0.012925553	-0.1157	360.2084666	-0.013446
970	4129	4.52	-0.11	357	332.8149766	-0.002719393	-0.1157	335.5592844	-0.001251
900	5329	4.7	-0.111	351	345.6368216	-0.00239397	-0.1157	350.1551324	-0.001745
	159	5.57	-0.108	320	305.1297395	-0.04648941	-0.1157	308.1515564	-0.03674
1733.2	1552.2	6.19	-0.11	291	307.9745028	-0.053313524	-0.1157	309.1276267	-0.042582
2575.95	4952.19	6.66	-0.112	278	274.422978	-0.016405455	-0.1157	275.7303146	-0.011716
2442.52	7311.05	7.05	-0.112	270	255.5937914	-0.013515521	-0.1157	257.0745569	-0.009722
4056.93	11371.99	7.81	-0.11	253	232.7973414	-0.035784519	-0.1157	235.8599071	-0.034715
	0	7.82	-0.105	259	236.4713675	-0.046574641	-0.1157	236.5943325	-0.044631
1459.2	1459.2	8.05	-0.105	250	250.7571148	-0.040009459	-0.1157	251.5675579	-0.044575
2713.5	4223	8.68	-0.105	234	232.9745015	-0.005664095	-0.1157	234.7355584	-0.003145
555	5159	8.66	-0.105	229	225.0121629	-0.01132805	-0.1157	225.8189315	-0.002703
555	5113	9.04	-0.105	225	224.1157405	-0.003515738	-0.1157	224.7125441	-0.001278
1152	7285	9.3	-0.103	219	215.1353935	-0.004054991	-0.1157	215.9425873	-0.002271
749	8014	9.46	-0.105	207	214.3455213	-0.027501552	-0.1157	215.3515329	-0.042346
1525	9943	9.82	-0.107	201	193.2594161	-0.013584594	-0.1157	193.2486962	-0.008738
	227	10.32	-0.104	218	155.0955394	-0.124552354	-0.1157	150.325337	-0.115554
1554	2191	10.75	-0.103	201	205.4792553	-0.031535546	-0.1157	205.7582131	-0.028535
1112	3293	10.57	-0.102	182	155.7759628	-0.015565421	-0.1157	156.4555587	-0.02342
752	1345	11.13	-0.102	187	155.357906	-0.007250959	-0.1157	155.5518923	-0.010116
1527	5972	11.57	-0.102	175	177.4059513	-0.013745293	-0.1157	178.792593	-0.021574
1557	7929	11.59	-0.102	157	155.4195441	-0.003475754	-0.1157	157.5515153	-0.00356
1020	8959	12.15	-0.102	153	153.0494962	-0.003035558	-0.1157	153.5277143	-0.003591
2079	11238	12.57	-0.102	157	155.7515787	-0.007545935	-0.1157	156.8029935	-0.001255
	377.3	12.59	-0.101	157	145.3321253	-0.105575418	-0.1157	150.4151529	-0.089304
551.5	1238.5	13.15	-0.1	151	153.8320491	-0.017553557	-0.1157	154.3229557	-0.02054
581.9	2220.5	13.23	-0.095	155	157.5551375	-0.015555217	-0.1157	153.1079252	-0.02018
554.7	3225.2	13.51	-0.095	150	151.6993093	-0.011207272	-0.1157	152.2523948	-0.015082
1555.5	5172	13.62	-0.095	144	144.9359541	-0.003721504	-0.1157	145.4554238	-0.010183
1555.2	7140.2	14.11	-0.095	137	139.0370922	-0.01223425	-0.1157	135.5245431	-0.021347
1525.2	5955.4	14.4	-0.095	135	132.3259141	-0.015503344	-0.1157	133.1225555	-0.013906
555.9	5905.2	14.55	-0.095	151	133.5577051	-0.03215523	-0.1157	132.0102519	-0.015344
	250.9	14.55	-0.1	123	124.3730354	-0.01035552	-0.1157	125.4151394	-0.015543
551	511.2	15.05	-0.1	115	121.5134667	-0.029970257	-0.1157	121.7751295	-0.023231
1555.2	2370.1	15.41	-0.101	114	113.5555979	-0.003310545	-0.1157	114.5537757	-0.002489
3512.5	5552.9	15.03	-0.101	110	105.8459195	-0.037764557	-0.1157	107.0802555	-0.025543
953.2	5943.1	15.24	-0.101	112	107.5552903	-0.035752051	-0.1157	108.0152555	-0.025551
5520.2	8575.3	15.55	-0.101	109	107.5533327	-0.013455553	-0.1157	109.2152077	-0.027153
	225.9	17.18	-0.101	104	101.0324855	-0.025023014	-0.1157	102.2503817	-0.015535
1555.5	1357.5	17.55	-0.101	97	101.0355715	-0.025023014	-0.1157	101.0355715	-0.025023014