Chemical:
MRID:
PC Code:
Plot:
Guideline:

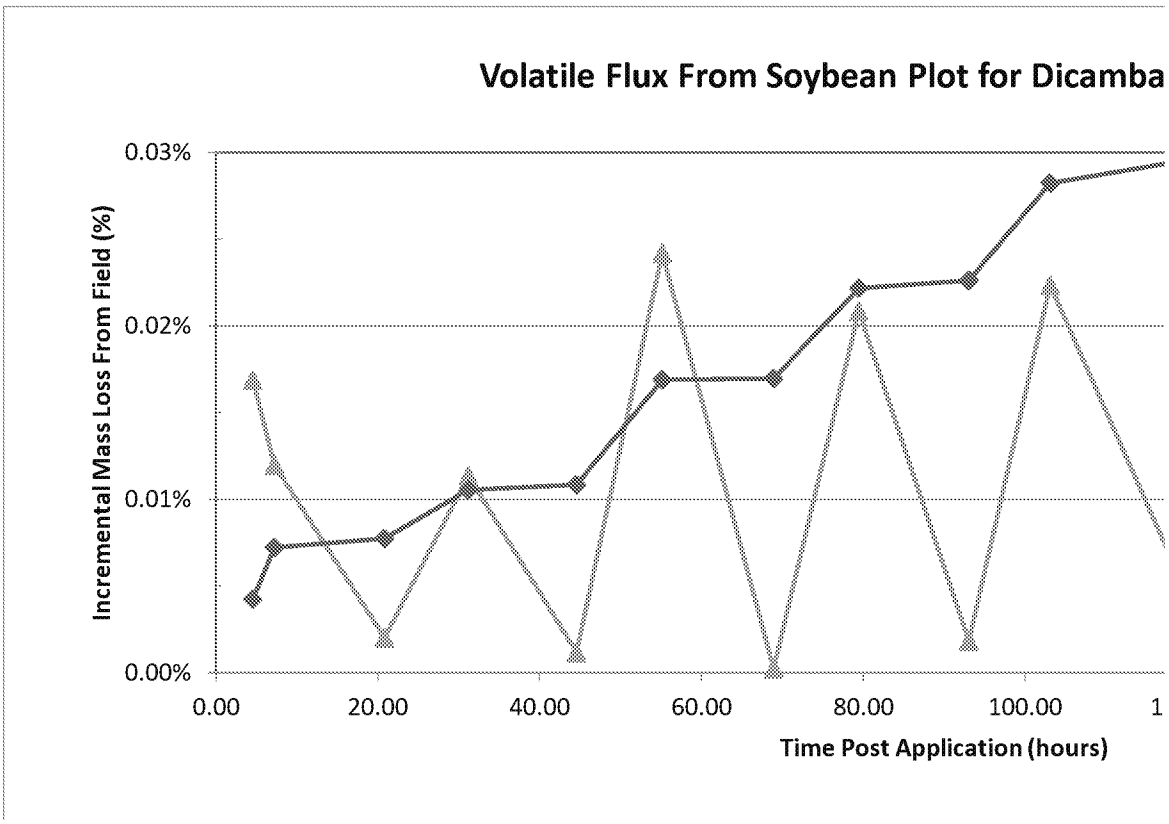
Application Rate (lbs. a.i./A)

Period
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

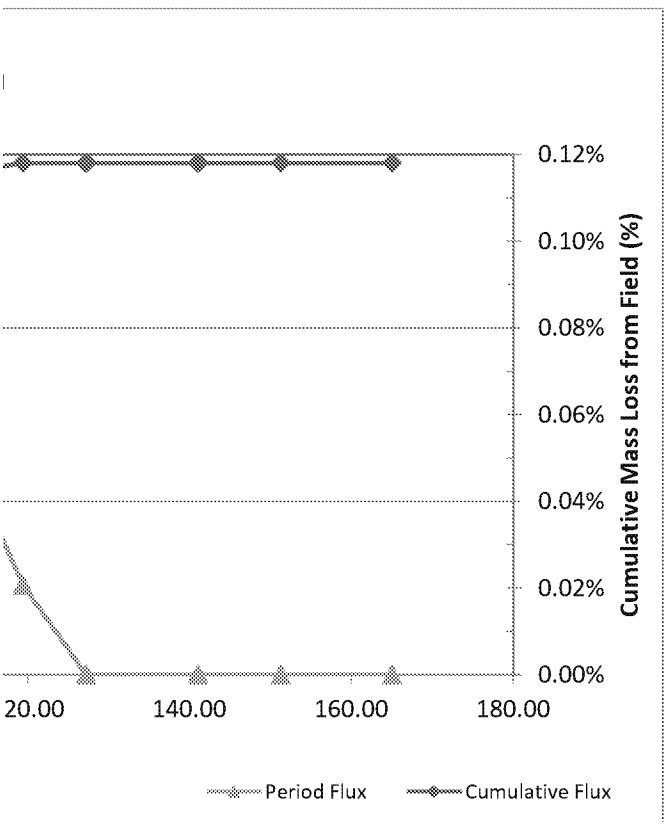
Dicamba DGA and S-metolachlor
50958201
128931 (Dicamba DGA) and 108800 (S-metolachlor)
Soybean
835.8100

0.5

Date/Time	Sampling Period (hrs.)	Time Post Application (hrs.)
7/24, 11:32 - 15:23	3.85	4.55
7/24, 15:28 - 18:04	2.60	7.23
7/24-25, 18:09 - 7:41	13.53	20.85
7/25, 7:44 - 18:03	10.32	31.22
7/25-26, 18:07 - 7:21	13.23	44.52
7/26, 7:23 - 17:58	10.58	55.13
7/26-27, 17:39 - 7:47	14.13	68.95
7/27, 7:51 - 18:15	10.40	79.42
7/27-28, 18:23 - 7:55	13.53	93.08
7/28, 7:57 - 17:56	9.98	103.10
7/28-29, 18:01 - 10:11	16.17	119.35
7/29, 10:13 - 18:05	7.87	127.25
7/29-30, 18:10 - 7:54	13.73	141.07
7/30, 7:57 - 18:05	10.13	151.25
7/30-31, 18:09 - 7:54	13.75	165.07



Flux (μg/m^2·s)	Period % of Applied	Cumulative % of Applied
0.000683	0.00017	0.00017
0.000718	0.00012	0.00029
0.000023	0.00002	0.00031
0.000171	0.00011	0.00042
0.000014	0.00001	0.00043
0.000356	0.00024	0.00068
0.000003	0.00000	0.00068
0.000312	0.00021	0.00089
0.000021	0.00002	0.00090
0.000349	0.00022	0.00113
0.000050	0.00005	0.00118
0.000000	0.00000	0.00118
0.000000	0.00000	0.00118
0.000000	0.00000	0.00118
0.000000	0.00000	0.00118



Date and time from Appendix III, Table 4, p. 374 of the study report.
Sampling period and time post application calculated in accompanying spreadsheet 128931_50958201_DER-FATE_835.

Chemical:	Dicamba DGA and S-metolachlor	Raw Air Conc.				
MRID:	50958201					
PC Code:	128931 (Dicamba DGA) and 108800 (S-metolachlor)					
Plot:	Soybean					
Guideline:	835.8100					
	DICAMBA CONCENTRATION IN AIR TUBES (µg/m^3)					
Time Period Following Application	**Sample ID and Height of Measurement (m)**	**Measured Concentration (ng)**	**Sample ID (Back-Half)**	**Measured Concentration (Back-Half) (µg)**	**Sample Collection Start Time (Local Time)**	**Sample Collection Stop Time (Local Time)**
0 - 6	0.40 m	7.580	NA	0.000	11:45	15:23
	0.58 m	6.470	NA	0.000	11:43	15:22
	0.80 m	4.820	NA	0.000	11:39	15:21
	1.15 m	3.710	NA	0.000	11:36	15:20
	1.75 m	4.250	NA	0.000	11:33	15:17
	1.75 m	3.130	NA	0.000	11:31	15:19
6 - 12	0.40 m	4.720	NA	0.000	15:36	18:04
	0.58 m	4.210	NA	0.000	15:34	18:03
	0.80 m	3.130	NA	0.000	15:32	18:02
	1.15 m	2.520	NA	0.000	15:31	18:00
	1.75 m	1.560	NA	0.000	15:28	17:58
	1.75 m	2.420	NA	0.000	15:29	18:00
12 - 24	0.40 m	7.000	NA	0.000	18:15	7:41
	0.58 m	5.760	NA	0.000	18:13	7:40
	0.80 m	4.820	NA	0.000	18:12	7:38
	1.15 m	4.560	NA	0.000	18:11	7:37
	1.75 m	1.960	NA	0.000	18:08	7:35
	1.75 m	2.660	NA	0.000	18:10	7:37
24 - 36	0.40 m	9.900	NA	0.000	7:52	18:03
	0.58 m	5.440	NA	0.000	7:50	18:01
	0.80 m	5.080	NA	0.000	7:48	17:59
	1.15 m	4.450	NA	0.000	7:46	17:58
	1.75 m	3.730	NA	0.000	7:44	17:56
	1.75 m	3.400	NA	0.000	7:45	17:57
36 - 48	0.40 m	2.710	NA	0.000	18:13	7:21
	0.58 m	1.790	NA	0.000	18:11	7:20
	0.80 m	2.030	NA	0.000	18:10	7:18
	1.15 m	1.560	NA	0.000	18:09	7:17
	1.75 m	1.510	NA	0.000	18:06	7:15

				Raw Air Conc.		
Start Flow Rate (L/min)	**End Flow Rate (L/min)**	**Sampling Duration (Minutes)**	**Measured Air Concentration ($\mu g/m^3$)**	**Measured Air Concentration (Back-Half) ($\mu g/m^3$)**	**Percent of Front-Half Concentration**	**Measured Air Concentration (Total) ($\mu g/m^3$)**
3.037	3.116	218	0.0113	0.0000	0.00%	0.0113
3.030	3.133	219	0.0096	0.0000	0.00%	0.0096
3.057	3.155	222	0.0070	0.0000	0.00%	0.0070
2.975	3.236	224	0.0053	0.0000	0.00%	0.0053
3.006	4.222	224	0.0052	0.0000	0.00%	0.0052
2.957	3.045	228	0.0046	0.0000	0.00%	0.0046
2.990	2.985	148	0.0107	0.0000	0.00%	0.0107
2.960	2.880	149	0.0097	0.0000	0.00%	0.0097
2.987	2.950	150	0.0070	0.0000	0.00%	0.0070
3.020	2.997	149	0.0056	0.0000	0.00%	0.0056
3.016	2.974	150	0.0035	0.0000	0.00%	0.0035
3.025	2.996	151	0.0053	0.0000	0.00%	0.0053
2.987	2.802	806	0.0030	0.0000	0.00%	0.0030
2.986	2.725	807	0.0025	0.0000	0.00%	0.0025
2.962	2.792	806	0.0021	0.0000	0.00%	0.0021
2.995	2.825	806	0.0019	0.0000	0.00%	0.0019
2.980	2.808	807	0.0008	0.0000	0.00%	0.0008
3.050	2.801	807	0.0011	0.0000	0.00%	0.0011
2.949	3.099	611	0.0054	0.0000	0.00%	0.0054
2.995	3.157	611	0.0029	0.0000	0.00%	0.0029
2.939	3.085	611	0.0028	0.0000	0.00%	0.0028
3.025	3.168	612	0.0023	0.0000	0.00%	0.0023
2.975	3.089	612	0.0020	0.0000	0.00%	0.0020
2.994	3.101	612	0.0018	0.0000	0.00%	0.0018
3.079	2.973	788	0.0011	0.0000	0.00%	0.0011
2.991	2.886	789	0.0008	0.0000	0.00%	0.0008
3.075	2.942	788	0.0009	0.0000	0.00%	0.0009
3.015	2.886	788	0.0007	0.0000	0.00%	0.0007
3.099	2.987	789	0.0006	0.0000	0.00%	0.0006

	1.75 m	0.000	NA	0.000	18:08	7:16
48 - 60	0.40 m	6.680	NA	0.000	7:29	17:58
	0.58 m	4.560	NA	0.000	7:28	17:54
	0.80 m	4.260	NA	0.000	7:27	17:49
	1.15 m	3.260	NA	0.000	7:25	17:44
	1.75 m	2.360	NA	0.000	7:23	17:34
	1.75 m	2.620	NA	0.000	7:24	17:37
60 - 72	0.40 m	<LOD	NA	0.000	18:00	7:47
	0.58 m	1.400	NA	0.000	17:56	7:46
	0.80 m	1.410	NA	0.000	17:52	7:45
	1.15 m	1.370	NA	0.000	17:48	7:42
	1.75 m	1.590	NA	0.000	17:35	7:40
	1.75 m	1.060	NA	0.000	17:43	7:41
72 - 84	0.40 m	5.120	NA	0.000	8:00	18:15
	0.58 m	4.740	NA	0.000	7:59	18:14
	0.80 m	5.990	NA	0.000	7:56	18:12
	1.15 m	2.830	NA	0.000	7:54	18:10
	1.75 m	2.100	NA	0.000	7:50	17:58
	1.75 m	1.850	NA	0.000	7:52	18:08
84 - 96	0.40 m	1.890	NA	0.000	18:30	7:55
	0.58 m	1.430	NA	0.000	18:28	7:53
	0.80 m	1.380	NA	0.000	18:27	7:52
	1.15 m	1.010	NA	0.000	18:25	7:50
	1.75 m	0.870	NA	0.000	18:22	7:49
	1.75 m	0.780	NA	0.000	18:24	7:48
96 - 108	0.40 m	4.220	NA	0.000	8:06	17:56
	0.58 m	3.020	NA	0.000	8:03	17:54
	0.80 m	2.180	NA	0.000	8:02	17:52
	1.15 m	1.580	NA	0.000	8:00	17:51
	1.75 m	1.160	NA	0.000	7:58	17:46
	1.75 m	1.500	NA	0.000	7:57	17:50
108 - 120	0.40 m	2.270	NA	0.000	18:08	10:11
	0.58 m	1.850	NA	0.000	18:07	10:10
	0.80 m	1.380	NA	0.000	18:05	10:08
	1.15 m	1.270	NA	0.000	18:03	10:07
	1.75 m	6.980	NA	0.000	18:00	10:04
	1.75 m	1.010	NA	0.000	18:02	10:05
120 - 132	0.40 m	0.370	NA	0.000	10:21	18:05
	0.58 m	<LOD	NA	0.000	10:19	18:04
	0.80 m	<LOD	NA	0.000	10:18	18:03
	1.15 m	<LOD	NA	0.000	10:16	18:01
	1.75 m	<LOD	NA	0.000	10:12	17:55
	1.75 m	<LOD	NA	0.000	10:14	17:57

3.067	2.913	788	0.0007	0.0000	0.00%	0.0007
2.985	3.098	629	0.0035	0.0000	0.00%	0.0035
2.910	3.008	626	0.0025	0.0000	0.00%	0.0025
2.962	2.943	622	0.0023	0.0000	0.00%	0.0023
2.990	3.165	619	0.0017	0.0000	0.00%	0.0017
3.006	3.115	611	0.0013	0.0000	0.00%	0.0013
2.942	3.107	613	0.0014	0.0000	0.00%	0.0014
3.058	2.882	827	0.0001	0.0000	0.00%	0.0001
3.001	2.894	830	0.0006	0.0000	0.00%	0.0006
2.928	2.930	833	0.0006	0.0000	0.00%	0.0006
2.940	2.747	834	0.0006	0.0000	0.00%	0.0006
2.992	2.833	845	0.0006	0.0000	0.00%	0.0006
3.026	2.849	838	0.0004	0.0000	0.00%	0.0004
2.991	3.163	615	0.0027	0.0000	0.00%	0.0027
2.953	3.172	615	0.0025	0.0000	0.00%	0.0025
2.945	3.160	616	0.0032	0.0000	0.00%	0.0032
2.975	3.170	616	0.0015	0.0000	0.00%	0.0015
2.973	3.097	608	0.0011	0.0000	0.00%	0.0011
2.983	3.145	616	0.0010	0.0000	0.00%	0.0010
3.025	2.815	805	0.0008	0.0000	0.00%	0.0008
3.079	2.808	805	0.0006	0.0000	0.00%	0.0006
3.044	2.896	805	0.0006	0.0000	0.00%	0.0006
3.063	2.876	805	0.0004	0.0000	0.00%	0.0004
3.002	2.819	807	0.0004	0.0000	0.00%	0.0004
2.998	2.866	804	0.0003	0.0000	0.00%	0.0003
3.047	3.242	590	0.0023	0.0000	0.00%	0.0023
2.965	3.146	591	0.0017	0.0000	0.00%	0.0017
3.004	3.184	590	0.0012	0.0000	0.00%	0.0012
2.955	3.136	591	0.0009	0.0000	0.00%	0.0009
2.963	3.108	588	0.0006	0.0000	0.00%	0.0006
2.983	3.109	593	0.0008	0.0000	0.00%	0.0008
3.020	2.928	963	0.0008	0.0000	0.00%	0.0008
2.997	2.842	963	0.0007	0.0000	0.00%	0.0007
3.006	2.886	963	0.0005	0.0000	0.00%	0.0005
3.040	2.881	964	0.0004	0.0000	0.00%	0.0004
3.061	2.933	964	0.0024	0.0000	0.00%	0.0024
2.996	2.833	963	0.0004	0.0000	0.00%	0.0004
2.943	3.059	464	0.0003	0.0000	0.00%	0.0003
2.984	3.115	465	0.0001	0.0000	0.00%	0.0001
2.936	3.038	465	0.0001	0.0000	0.00%	0.0001
2.975	3.081	465	0.0001	0.0000	0.00%	0.0001
2.942	3.028	463	0.0001	0.0000	0.00%	0.0001
2.949	3.099	463	0.0001	0.0000	0.00%	0.0001

132 - 144	0.40 m	<LOD	NA	0.000	18:16	7:54
	0.58 m	<LOD	NA	0.000	18:15	7:51
	0.80 m	<LOD	NA	0.000	18:13	7:50
	1.15 m	<LOD	NA	0.000	18:12	7:49
	1.75 m	<LOD	NA	0.000	18:09	7:45
	1.75 m	<LOD	NA	0.000	18:11	7:47
144 - 156	0.40 m	<LOD	NA	0.000	8:04	18:05
	0.58 m	<LOD	NA	0.000	8:03	18:04
	0.80 m	<LOD	NA	0.000	8:01	18:02
	1.15 m	<LOD	NA	0.000	7:59	18:01
	1.75 m	<LOD	NA	0.000	7:57	17:58
	1.75 m	<LOD	NA	0.000	7:58	17:59
156 - 168	0.40 m	<LOD	NA	0.000	18:16	7:54
	0.58 m	<LOD	NA	0.000	18:15	7:53
	0.80 m	<LOD	NA	0.000	18:13	7:51
	1.15 m	<LOD	NA	0.000	18:12	7:49
	1.75 m	<LOD	NA	0.000	18:09	7:45
	1.75 m	<LOD	NA	0.000	18:10	7:47
Measured concentrations from Appendix II, Table 6, pp. 305-307 of the study report.						
Sample start times, end times, and flow rates from Appendix I, Appendix 6, pp. 204-214 of the study report.						

Raw Air Conc.

3.052	2.871	818	0.0001	0.0000	0.00%	0.0001
2.932	2.760	816	0.0001	0.0000	0.00%	0.0001
3.043	2.883	817	0.0001	0.0000	0.00%	0.0001
3.075	2.874	817	0.0001	0.0000	0.00%	0.0001
3.027	2.895	816	0.0001	0.0000	0.00%	0.0001
3.024	2.835	816	0.0001	0.0000	0.00%	0.0001
2.960	3.127	601	0.0001	0.0000	0.00%	0.0001
2.964	3.159	601	0.0001	0.0000	0.00%	0.0001
2.996	3.203	601	0.0001	0.0000	0.00%	0.0001
3.039	3.254	602	0.0001	0.0000	0.00%	0.0001
2.944	3.058	601	0.0001	0.0000	0.00%	0.0001
2.950	3.102	601	0.0001	0.0000	0.00%	0.0001
2.991	2.808	818	0.0001	0.0000	0.00%	0.0001
2.970	2.800	818	0.0001	0.0000	0.00%	0.0001
3.027	2.841	818	0.0001	0.0000	0.00%	0.0001
3.030	2.832	817	0.0001	0.0000	0.00%	0.0001
3.065	2.909	816	0.0001	0.0000	0.00%	0.0001
3.058	2.860	817	0.0001	0.0000	0.00%	0.0001

Chemical:	Dicamba DGA and S-me
MRID:	50958201
PC Code:	128931 (Dicamba DGA)
Plot:	Soybean
Guideline:	835.8100

Plot Soybean	
Sample Periods	
Day	6
Hours	
DTG	
Fortification Level (µg)	
0	NA
0.00298	113.0%
0.00995	117.0%
0.0298	128.0%

NA indicate not applicable.
Data from Appendix II, Table 2, p. 301 of the study report.

PUF Sample Results (ng/PUF; Appendix II, Table 2, p. 301 of the study report).

0	<LOD
0.00298	3.38
0.00995	11.6
0.0298	38

Reviewer calculated percent recoveries.

0	NA
0.00298	113.4%
0.00995	116.6%
0.0298	127.5%

etolachlor

and 108800 (S-metolachlor)

6	6	12	12	12
Percent Recovery (%)				
NA	NA	NA	NA	NA
106.0%	98.7%	95.3%	103.0%	104.0%
115.0%	107.0%	102.0%	97.5%	100.0%
122.0%	127.0%	86.2%	99.0%	84.9%

<LOD	<LOD	<LOD	<LOD	<LOD
3.16	2.94	2.84	3.08	3.11
11.4	10.6	10.1	9.7	9.96
36.5	37.9	25.7	29.5	25.3

NA	NA	NA	NA	NA
106.0%	98.7%	95.3%	103.4%	104.4%
114.6%	106.5%	101.5%	97.5%	100.1%
122.5%	127.2%	86.2%	99.0%	84.9%

Chemical: Dicamba DGA and S-metolachlor
MRID: 50958201
PC Code: 128931 (Dicamba DGA) and 108800 (S-metolach
Plot: Soybean
Guideline: 835.8100

Field Dimensions	
Length (m)	270.9
Width (m)	282.5
Offset Angle from Due North (degrees)	0.9

Sampler Heights (m)

Julian Date	Local Time (0000 - 2300)	Temperature (°C)	Wind Speed (m/s)
7/24/2019	11:30	26.4	1.021
7/24/2019	11:31	26.45	0.987
7/24/2019	11:32	26.45	0.931
7/24/2019	11:33	26.5	0.88
7/24/2019	11:34	26.51	1.026
7/24/2019	11:35	26.45	1.01
7/24/2019	11:36	26.32	0.856
7/24/2019	11:37	26.35	0.761
7/24/2019	11:38	26.52	0.701
7/24/2019	11:39	26.58	0.695
7/24/2019	11:40	26.57	0.945
7/24/2019	11:41	26.55	1.1
7/24/2019	11:42	26.54	0.998
7/24/2019	11:43	26.5	0.97
7/24/2019	11:44	26.48	0.807
7/24/2019	11:45	26.54	0.508
7/24/2019	11:46	26.64	0.366
7/24/2019	11:47	26.75	0.339
7/24/2019	11:48	26.88	0.864
7/24/2019	11:49	26.84	0.738
7/24/2019	11:50	26.68	0.911
7/24/2019	11:51	26.49	0.817
7/24/2019	11:52	26.48	0.784
7/24/2019	11:53	26.62	0.552
7/24/2019	11:54	26.77	0.543
7/24/2019	11:55	26.93	0.489
7/24/2019	11:56	27.07	0.777
7/24/2019	11:57	27.21	0.225
7/24/2019	11:58	27.42	0.316
7/24/2019	11:59	27.43	0.375
7/24/2019	12:00	27.39	0.377
7/24/2019	12:01	27.21	0.682
7/24/2019	12:02	26.91	0.562
7/24/2019	12:03	26.68	0.56
7/24/2019	12:04	26.56	0.515
7/24/2019	12:05	26.55	0.48

Need to double check WS and temp, profiles don't seem to make sense...

lor)

Assume fields oriented North-South along length of field!
Assume fields oriented East-West along width of field!

0.4		
Flow Vector Wind Direction (Degrees)	Fetch (m)	Temperature (°C)
329.4	158.8542338	26.57
328	161.3176459	26.62
333.3	152.8379067	26.6
336.2	149.0856146	26.66
308.7	178.7937782	26.67
305.6	171.8370419	26.62
323.9	169.5961403	26.45
321.4	175.5328989	26.48
326.5	164.1537804	26.68
301.7	164.4719393	26.78
307.1	175.0703199	26.75
357.8	135.6439919	26.7
16.42	140.5711295	26.64
14.97	139.6346169	26.57
12.81	138.4253859	26.53
341.4	143.6871825	26.62
323.8	169.8197457	26.79
26.14	149.7413713	26.97
339	145.9799608	27.15
347.6	139.1784222	27.1
352.9	136.7766005	26.88
342.8	142.4968525	26.62
16.89	140.896828	26.59
345.9	140.2234999	26.74
323.6	170.2702897	26.96
341.2	143.8658923	27.18
26.21	149.8277757	27.3
349.3	138.2696225	27.45
114.9	154.6445213	27.74
122.2	165.3383346	27.86
79.69	144.0225721	27.82
334.6	151.0848301	27.56
323.9	169.5961403	27.19
9.03	136.8205816	26.89
28.9	153.4015168	26.71
35.06	163.6857467	26.74

Wind Speed (m/s)	Flow Vector Wind Direction (Degrees)
1.494	328.1
1.469	330
1.525	334
1.227	342.1
1.387	311.9
1.424	311.2
1.272	324.3
1.196	323
1.096	330.4
1.069	300.1
1.395	313.8
1.415	353.5
1.618	15.58
1.374	17.37
1.165	13.08
0.678	351
0.483	338
0.621	8.81
1.155	337.5
1.174	339.2
1.419	349.1
1.379	344.5
1.212	19.15
0.667	342
0.941	339.6
0.785	322.9
0.955	25.77
0.335	152.6
0.365	128.3
0.499	111.4
0.358	74.79
0.863	334.1
0.676	321.2
0.793	16.78
0.659	19.09
0.583	37.97

Length and width from Appendix I, p. 113 and Appendix I, Figure 2, p. 170 of the study report.
Offset angle from Appendix III, p. 368 of the study report.
1-Minute meteorological data were not provided with the study report.

0.58	
Fetch (m)	Temperature (°C)
INSERT 1-MINUTE RAW METEOROLOGICAL DATA BELOW ACCORDING TO SI	
161.1359522	26.28
157.8499471	26.34
151.8792052	26.3
143.0788632	26.34
187.1909456	26.36
185.2375331	26.33
168.7126952	26.18
171.6490075	26.21
157.1969778	26.42
161.8412498	26.48
195.7142115	26.46
136.5830783	26.4
140.0161491	26.33
141.2408503	26.26
138.5646455	26.25
137.4928614	26.31
147.0339187	26.49
136.7465809	26.67
147.5835656	26.85
145.7762909	26.77
138.3696112	26.51
141.1899582	26.28
142.6193794	26.27
143.1641434	26.47
145.3759529	26.66
171.8828066	26.91
149.2900067	26.96
153.8318952	27.12
177.8350956	27.38
150.8262993	27.42
147.0493181	27.38
151.7450728	27.1
176.0405229	26.72
140.8196158	26.44
142.5702261	26.32
169.7525479	26.4

0.8			1.15			
Wind Speed (m/s)	Flow Vector Wind Direction (Degrees)	Fetch (m)	Temperature (°C)	Wind Speed (m/s)	Flow Vector Wind Direction (Degrees)	Fetch (m)
PECIFIED FORMAT:						
1.742	328.9	159.7144084	26.09	1.965	326.8	163.5696028
1.847	327.6	162.0534901	26.15	1.963	328.3	160.7752562
1.556	331.4	155.6208578	26.09	1.985	330	157.8499471
1.402	338.1	146.9258206	26.13	1.631	337.1	148.034394
1.627	308.6	178.5523232	26.15	1.856	308.4	178.0729882
1.627	306.6	173.9658487	26.14	1.853	305	170.6093072
1.371	321	176.5532489	25.99	1.636	322.2	173.55231
1.138	322.1	173.7955882	26.04	1.422	319.4	180.8458047
1.018	324.5	168.2774801	26.24	1.344	325.3	166.5789856
1.118	297.8	158.4157786	26.27	1.422	297.4	157.8605159
1.524	307	174.8472386	26.26	1.733	309.4	180.5179243
1.355	350	137.9340071	26.22	1.777	349.1	138.3696112
1.737	17.13	141.0673918	26.15	2.139	15.33	139.8576141
1.415	18.28	141.9251412	26.08	1.664	17.8	141.5589225
1.151	16.66	140.736072	26.07	1.322	12.08	138.0655849
0.73	343	142.3353263	26.12	0.771	345.8	140.2893212
0.544	313.7	192.5433417	26.3	0.523	317.4	186.7249594
0.579	4.929	135.7810672	26.47	0.593	16.42	140.5711295
1.331	338.7	146.2898835	26.63	1.63	334.8	150.8255466
1.26	334.6	151.0848301	26.55	1.445	336	149.3262707
1.585	345.7	140.355632	26.29	1.944	345.1	140.7638403
1.382	342.1	143.0788632	26.08	1.704	343.5	141.9406579
1.338	21.72	144.9077339	26.09	1.506	15.86	140.1973082
0.737	342.8	142.4968525	26.29	0.889	340.1	144.8885107
0.872	330.6	156.8753741	26.48	1.063	331	156.2417902
0.731	323.4	170.7253164	26.69	0.987	325	167.2080708
1.104	24.62	147.9434309	26.75	1.069	22.36	145.5349729
0.297	277.1	142.105983	26.88	0.321	118.4	159.2706591
0.424	113.5	153.0256028	27.14	0.392	113.7	153.2492103
0.484	109.2	148.8003043	27.17	0.491	104.2	145.1683796
0.52	72.87	148.5704117	27.09	0.512	65.76	156.0577735
1.025	335.8	149.5695304	26.82	1.138	336.7	148.4952449
1	320.4	178.1226162	26.46	0.993	322	174.0400802
0.86	12.08	138.0655849	26.19	1.015	13.49	138.7825514
0.751	24.34	147.6282013	26.09	0.762	13.43	138.750176
0.608	29.09	153.6733204	26.21	0.629	23.53	146.7434429

1.75					
Temperature (°C)	Wind Speed (m/s)	Flow Vector Wind Direction (Degrees)	Fetch (m)	Average Fetch (m)	Fetch Requirement Satisfied?
25.94	2.444	330.3	157.3589946	160.8185493	No
25.97	2.535	331.6	155.3150699	160.4990849	No
25.9	2.242	332.2	154.4161117	154.5469792	No
25.96	2.044	337.6	147.4724086	146.7811731	No
25.96	2.196	310.6	183.6169505	180.6525088	Yes
25.97	2.302	309.7	181.2753983	175.4124327	Yes
25.83	2.051	325.8	165.5509953	172.1035986	No
25.89	1.586	325.7	165.7545685	175.4558248	Yes
26.13	1.326	330.6	156.8753741	164.051806	No
26.15	1.422	303.3	167.3221929	160.6473709	No
26.15	2.078	313.1	190.7045403	181.5374236	Yes
26.09	2.042	355.7	136.0052434	137.1326721	No
25.98	2.426	17.09	141.0387639	140.3780711	No
25.9	2.039	17.2	141.1176841	141.0898827	No
25.87	1.576	14.53	139.3704869	138.9479221	No
25.95	0.921	347.4	139.2942101	140.9511728	No
26.2	0.632	313.9	195.7142115	174.0304914	No
26.41	0.774	10.29	137.2850298	140.7100372	No
26.52	1.856	342.2	142.9941199	147.6697391	No
26.39	1.894	339.4	145.5749597	146.3414534	No
26.11	2.335	348.1	138.8971847	139.066421	No
25.92	1.886	348.7	138.5750946	142.176583	No
25.96	1.856	17.55	141.3728539	142.1553124	No
26.18	0.936	349.7	138.0751192	142.6932516	No
26.4	1.047	341	144.0468045	157.1908517	No
26.59	0.986	332.2	154.4161117	163.4205215	No
26.62	1.375	24.21	147.4834965	148.1490466	No
26.8	0.328	142.5	172.8296935	148.36954	No
27.17	0.415	106.5	146.6780426	159.6886075	No
27.19	0.544	105	145.663343	152.5333295	No
27.07	0.655	73.35	148.1715683	148.9250188	No
26.73	1.396	341.9	143.249962	150.2236695	No
26.35	1.256	329.8	158.1813694	174.4498399	No
26.11	1.166	13.31	138.6859265	138.6220834	No
26.04	0.825	11.75	137.9108838	145.58753	No
26.19	0.634	13.2	138.6276173	158.4637645	No

Mean Solar Radiation (W/m^2)	Standard Deviation Wind Direction 10 m
	9.97
	9.9
	10.02
	10.66
	12.93
	7.68
	7.67
	7.86
	7.69
	8.22
	16.89
	6.743
	5.595
	6.716
	17.43
	16.89
	28.53
	23.41
	12.18
	8.11
	8.95
	8.01
	11.54
	9.22
	10.39
	9.21
	8.77
	6.849
	5.835
	4.12
	7.56
	7.31
	7.1
	10.4
	7.3
	9.69

7/24/2019	12:06	26.48	0.659
7/24/2019	12:07	26.37	0.868
7/24/2019	12:08	26.36	0.805
7/24/2019	12:09	26.29	0.588
7/24/2019	12:10	26.34	0.718
7/24/2019	12:11	26.51	0.764
7/24/2019	12:12	26.74	0.549
7/24/2019	12:13	26.94	0.294
7/24/2019	12:14	27.2	0.365
7/24/2019	12:15	27.46	0.343
7/24/2019	12:16	27.64	0.506
7/24/2019	12:17	27.77	0.635
7/24/2019	12:18	27.78	0.431
7/24/2019	12:19	27.94	0.193
7/24/2019	12:20	28.06	0.975
7/24/2019	12:21	28.1	0.587
7/24/2019	12:22	28.07	0.358
7/24/2019	12:23	28.24	0.267
7/24/2019	12:24	28.36	0.408
7/24/2019	12:25	28.33	0.771
7/24/2019	12:26	27.97	0.745
7/24/2019	12:27	27.74	0.503
7/24/2019	12:28	27.46	0.916
7/24/2019	12:29	27.07	0.888
7/24/2019	12:30	26.73	0.515
7/24/2019	12:31	26.55	0.907
7/24/2019	12:32	26.4	0.798
7/24/2019	12:33	26.25	0.897
7/24/2019	12:34	26.16	0.464
7/24/2019	12:35	26.29	0.68
7/24/2019	12:36	26.47	0.867
7/24/2019	12:37	26.6	0.723
7/24/2019	12:38	26.79	0.694
7/24/2019	12:39	26.92	0.712
7/24/2019	12:40	27.01	0.907
7/24/2019	12:41	27.09	1.035
7/24/2019	12:42	27.07	0.798
7/24/2019	12:43	26.93	0.847
7/24/2019	12:44	26.79	0.824
7/24/2019	12:45	26.82	0.758
7/24/2019	12:46	26.94	0.417
7/24/2019	12:47	26.99	0.413
7/24/2019	12:48	27.01	0.572
7/24/2019	12:49	26.95	0.507
7/24/2019	12:50	26.82	0.708
7/24/2019	12:51	26.66	0.689
7/24/2019	12:52	26.59	0.716
7/24/2019	12:53	26.73	0.847
7/24/2019	12:54	26.93	0.692
7/24/2019	12:55	27.14	0.999
7/24/2019	12:56	27.25	0.93

333.8	152.1495751	26.67
335.7	149.6921424	26.54
1.923	135.4670923	26.52
338.1	146.9258206	26.45
289	148.6296284	26.49
307	174.8472386	26.68
326.6	163.9580918	26.95
328.5	160.4181218	27.21
32.4	158.8542338	27.55
304	168.6422867	27.87
296.5	156.6530324	28.05
312.2	188.0494405	28.16
280.3	143.1976347	28.1
257.5	145.2285189	28.23
145.5	166.1647422	28.35
73.12	148.3611139	28.38
28.29	152.546635	28.28
89.8	141.30084	28.49
112.7	152.156119	28.66
44.71	187.6913832	28.67
27.3	151.2154981	28.18
28.03	152.1903737	27.81
13.24	138.6487559	27.5
16.92	140.9179907	27.04
5.412	135.8665669	26.67
337.1	148.034394	26.51
348.5	138.6806025	26.41
318.7	182.8356637	26.31
329.8	158.1813694	26.24
345.1	140.7638403	26.41
341.5	143.5986496	26.63
283.4	144.7048835	26.76
329.4	158.8542338	26.96
353	136.743267	27.09
5.364	135.8576331	27.17
323.4	170.7253164	27.24
325.6	165.9591491	27.21
301.9	164.8158999	27.06
316.7	188.9294126	26.87
298.9	160.0036074	26.9
279.3	142.8067836	27.05
279	142.6984082	27.12
291.6	151.0243214	27.14
305.9	172.4646859	27.09
301.4	163.9624173	26.94
334.6	151.0848301	26.77
357.9	135.6313781	26.68
352.2	137.0220917	26.84
327.2	162.8040494	27.1
336.4	148.8475437	27.33
3.215	135.5561335	27.43

0.857	330.6
1.01	339.2
1.137	6.921
0.874	341.6
1.153	290.8
0.961	307.7
0.695	336.1
0.417	339.4
0.377	20.45
0.486	284.4
0.662	291.5
0.825	319.5
0.5	275.3
0.317	252
1.083	149.6
0.693	72.42
0.427	53.67
0.239	53.03
0.467	106.6
0.928	48.52
1.066	31.4
0.611	31.3
1.122	22.81
1.236	19.63
0.658	12.75
0.988	337.6
0.939	348.3
1.088	327.9
0.71	333.9
0.682	339.5
0.843	339.9
1.236	289.2
1.059	331.4
1.249	350.9
1.232	4.818
1.654	321
1.053	318.6
1.355	301.2
1.201	315.4
1.057	295.3
0.61	271.3
0.63	274.1
0.823	291.3
0.808	304.2
0.778	292.6
0.659	324.1
0.932	355.7
1.168	355.2
1.16	335
1.357	339.1
1.24	5.666

156.8753741	26.36
145.7762909	26.23
136.1968275	26.22
143.5106627	26.16
150.2462872	26.23
176.4322033	26.46
149.2056183	26.69
145.5749597	26.93
143.7316542	27.3
145.2891508	27.6
150.9250156	27.8
180.5672593	27.85
141.6924026	27.77
149.3256382	27.91
158.5161218	28.01
148.9558016	28.02
177.4333717	27.91
178.9635103	28.18
146.7497779	28.32
191.250283	28.28
157.1969778	27.78
157.0357721	27.48
145.990206	27.14
143.0194866	26.68
138.3948945	26.34
147.4724086	26.22
138.7879636	26.13
161.5002424	26.04
152.0140384	26
145.4751667	26.2
145.0817692	26.42
148.8003043	26.51
155.6208578	26.73
137.5349652	26.82
135.7627964	26.9
176.5532489	26.96
183.1257514	26.93
163.6269725	26.78
193.2425592	26.62
155.1304872	26.65
141.2782429	26.82
141.4954247	26.9
150.728171	26.92
169.0279442	26.86
152.0502072	26.71
169.1522337	26.55
136.0052434	26.45
136.1185285	26.63
150.5689831	26.86
145.8778326	27.04
135.9154495	27.12

0.906	333.1	153.1182603	26.19	1.195	331.7	155.1633342
1.161	339.5	145.4751667	26.07	1.34	340.7	144.3223303
1.249	3.484	135.5833614	26.05	1.43	2.212	135.4810183
0.776	344.9	140.9038772	26	0.977	342.7	142.5784051
1.07	288.2	147.9687897	26.08	1.371	288.3	148.0494963
1.128	306.6	173.9658487	26.31	1.174	309	179.5253688
0.699	329.6	158.5161218	26.52	0.83	333	153.2595242
0.39	318.5	183.4173207	26.76	0.46	328.9	159.7144084
0.425	31.49	157.3427563	27.13	0.418	13.25	138.6540521
0.469	295.9	155.8794948	27.43	0.655	278.3	142.4613373
0.664	295.6	155.5019575	27.62	0.759	290	149.5052253
0.875	313.4	191.6169031	27.64	1.053	314.4	195.7142115
0.599	280.9	143.4541915	27.52	0.626	277.5	142.2173074
0.36	259.7	144.0175927	27.66	0.428	265	142.0271438
1.337	158.3	146.7114396	27.76	1.396	157.3	147.8077356
0.839	75.26	146.7066747	27.72	0.86	70.63	150.6014802
0.487	44.64	187.4718049	27.62	0.486	54.96	174.4925922
0.337	53.22	178.5041757	27.85	0.384	14.31	139.2418717
0.606	105.5	145.9889028	28.01	0.653	98.6	142.5602372
1.084	50.25	186.2056423	28	1.231	47.44	194.6323266
1.201	29.46	154.2102766	27.53	1.4	26.89	150.6841014
0.751	35.46	164.4688995	27.25	0.831	29.23	153.8752982
1.319	19.66	143.0449015	26.95	1.611	18.77	142.3112785
1.311	16.68	140.7499462	26.52	1.689	13.64	138.8642227
0.844	8.75	136.7267625	26.19	0.953	6.21	136.0292612
1.294	333.6	152.4227699	26.08	1.423	336.4	148.8475437
1.161	343.8	141.7100752	26	1.349	345.7	140.355632
1.284	324.1	169.1522337	25.91	1.548	328.9	159.7144084
0.777	337.2	147.9207527	25.87	0.971	333.2	152.9777221
0.931	342.4	142.8262379	26.07	1.012	342.6	142.6604859
1.245	337.7	147.3618674	26.3	1.235	336.7	148.4952449
1.314	290.6	150.0575889	26.37	1.473	292.8	152.2626427
1.045	330.2	157.5218261	26.58	1.272	328.2	160.955157
1.086	354	136.4336422	26.67	1.433	349.3	138.2696225
1.189	4.441	135.7045794	26.74	1.479	2.104	135.4754104
1.695	317.1	187.6599662	26.78	2.19	318.8	182.5470487
1.199	316.9	188.2914027	26.73	1.434	317.3	187.035022
1.361	298.2	158.9827372	26.61	1.709	299.8	161.3712442
1.242	311.2	185.2375331	26.45	1.524	312	187.4756675
1.142	292.9	152.3697801	26.49	1.36	288.7	148.3777321
0.676	275.2	141.6735922	26.67	0.78	274.3	141.5239064
0.634	272	141.30084	26.76	0.728	273.2	141.3887034
0.909	291.4	150.8262993	26.78	1.004	286	146.3270894
0.887	300.7	162.802978	26.73	0.95	299	160.152474
1.023	297.2	157.5872152	26.59	1.12	295.6	155.5019575
0.945	325.3	166.5789856	26.42	0.995	320.6	177.5942369
1.06	355.8	135.9838512	26.33	1.266	356.4	135.8643244
1.168	350.1	137.8878733	26.48	1.547	351.9	137.1338452
1.209	328.7	160.0645165	26.71	1.411	332.4	154.1225109
1.312	335	150.5689831	26.86	1.782	338.2	146.8183282
1.414	6.956	136.2056288	26.94	1.576	359.7	135.475212

26.17	1.31	340.9	144.1380905	154.3266359	No
26.02	1.672	343	142.3353263	146.3164826	No
25.96	1.673	2.748	135.5159825	135.6820748	No
25.93	1.035	351.1	137.4512019	143.4796914	No
26.03	1.312	296.1	156.1345891	148.7235504	No
26.26	1.396	311.8	186.9076557	176.1926648	Yes
26.43	0.905	333.9	152.0140384	156.234839	No
26.73	0.473	325.4	166.3713526	162.2812027	No
27.15	0.478	1.79	135.4618423	149.6456741	No
27.43	0.616	286.7	146.8220309	153.0680674	No
27.6	0.79	293.8	153.3619607	153.1463077	No
27.56	1.252	315.4	193.2425592	188.9869536	Yes
27.42	0.808	288.6	148.294859	142.6403841	No
27.59	0.44	261	143.4102756	145.1497234	No
27.67	1.441	171.1	137.4512019	154.8000098	No
27.61	1.046	71.07	150.1799807	148.6562676	No
27.52	0.577	54.33	175.9053697	172.9861009	No
27.79	0.521	43.68	184.5389533	159.5025994	No
27.89	0.827	92.4	141.3232279	146.8637592	No
27.85	1.383	48.11	192.5122309	189.9449088	Yes
27.34	1.59	31.34	157.1001573	153.3267135	No
27.07	1.021	36.29	166.1441371	156.8925859	No
26.78	1.897	21.05	144.2760613	142.4987855	No
26.36	1.949	11.52	137.8059677	140.8879116	No
26.07	1.149	9.29	136.9107442	136.7543713	No
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25.91	1.576	345.5	140.4897269	139.8835683	No
25.81	1.72	332.5	153.9768314	168.300637	No
25.81	1.114	342.8	142.4968525	152.7734706	No
26.04	1.29	349.3	138.2696225	142.9314327	No
26.25	1.601	338.3	146.7114396	146.1343828	No
26.3	1.647	298	158.6977847	148.9563549	No
26.52	1.505	336.2	149.0856146	158.2380187	No
26.57	1.494	353.7	136.5220169	137.2453742	No
26.65	1.664	4.927	135.7807335	135.7001048	No
26.66	2.442	323	171.6490075	179.371395	Yes
26.6	1.652	321.8	174.5327325	181.1028313	Yes
26.49	1.919	304.5	169.6136358	162.1992135	No
26.34	1.72	314.2	195.7142115	188.7212931	Yes
26.4	1.371	294.1	153.7040237	153.9704017	No
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26.71	1.098	291.6	151.0243214	149.7264703	No
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26.39	1.678	351.1	137.4512019	137.0405847	No
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0.981	353.8	136.4921301	27.22	1.218	351.9	137.1338452
1.231	15.23	139.7950453	27.17	1.244	10.39	137.3248743
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1.57	38.86	171.7891478	27.21	1.643	36.43	166.433535
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1.283	62.07	161.262604	27.69	1.448	56.99	170.2280503
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1.425	80.6	143.5887269	27.48	1.481	76.14	146.0957421
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1.06	28.47	152.7961027	27.27	1.386	28.57	152.9357017
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26.92	2.014	55.38	173.574867	180.9952578	Yes
26.91	1.797	79.37	144.1844153	144.1721577	No
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27.06	1.267	65.6	156.2631643	154.4874999	No
27.11	1.125	41.48	178.3354589	169.4221067	No
27.31	1.785	72.32	149.0429656	153.1947964	No
27.25	1.713	107.8	147.6513318	143.9892282	No
27.18	1.081	137.8	185.5005447	175.6370277	Yes
27.37	1.029	75.24	146.7210217	163.3349376	No
27.43	1.051	43.7	184.5985921	174.8987489	No
27.5	1.803	37.45	168.6034878	167.658417	No
27.42	1.979	44.33	186.5088642	176.3395562	Yes
27.16	2.49	34.76	163.1084555	168.1783103	No
27.05	1.299	32.58	159.1614316	156.9381257	No
27.11	1.257	37.51	168.7345691	157.1617016	No
27.32	1.493	42.94	182.3745831	182.2243896	Yes
27.26	1.589	59.19	166.0651004	183.6440589	Yes
27.3	1.041	5.075	135.8058828	136.2420777	No
27.38	1.911	339.4	145.5749597	150.2373654	No
27.29	1.678	12.85	138.4458054	139.5907287	No
27.15	0.845	9.49	136.9821015	136.9414214	No
27.15	1.424	358.5	135.564413	136.829891	No
27.11	1.564	13.75	138.9247815	138.9698123	No
27.14	1.365	44.58	187.2842257	181.888007	Yes
27.14	1.959	38.85	171.7657621	168.9135685	No
27.15	1.285	15.6	140.0289626	139.6514317	No
27.29	1.541	356.5	135.8458714	136.1050517	No
27.36	1.507	352.2	137.0220917	138.2686228	No
27.4	1.308	8.59	136.6746742	135.9734912	No
27.45	2.161	32.42	158.8882309	155.4696471	No
27.33	1.86	52.47	180.3428003	181.8388158	Yes
27.35	1.391	46.6	193.9326112	184.6779872	Yes
27.39	1.626	26.97	150.7868892	145.5418602	No
27.41	1.489	16.49	140.618943	144.4203732	No
27.48	0.929	46.85	194.8054895	187.6658017	Yes
27.65	1.151	56.34	171.5473078	179.0319394	Yes
27.61	1.761	62.45	160.6795599	164.2144664	No
27.4	1.801	55.04	174.316317	178.0309423	Yes
27.33	1.917	80.4	143.6807474	145.2739676	No
27.24	1.602	63.3	159.4157407	150.8205864	No
27.14	1.566	29.19	153.8174424	153.7858253	No
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26.67	1.809	9.01	136.8137675	136.6029036	No
26.52	1.344	355.4	136.0719483	139.2980609	No
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26.29	1.786	321.6	175.0303206	185.801425	Yes

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7/24/2019	14:19	28.18	0.598
7/24/2019	14:20	28.27	0.701
7/24/2019	14:21	28.13	0.453
7/24/2019	14:22	28.07	0.301
7/24/2019	14:23	28.13	0.205
7/24/2019	14:24	28.11	0.437
7/24/2019	14:25	27.85	0.776
7/24/2019	14:26	27.64	0.811
7/24/2019	14:27	27.57	1.189
7/24/2019	14:28	27.52	0.775
7/24/2019	14:29	27.7	0.976
7/24/2019	14:30	27.82	1.099
7/24/2019	14:31	27.89	0.852
7/24/2019	14:32	28.01	0.698
7/24/2019	14:33	28.09	0.743
7/24/2019	14:34	28.14	0.578
7/24/2019	14:35	28.23	0.52
7/24/2019	14:36	28.32	0.618
7/24/2019	14:37	28.48	0.484
7/24/2019	14:38	28.57	0.722

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0.674	37.48	168.6689799	27.91	0.723	31.38	157.1646719
0.933	30.13	155.2087741	28	1.068	24.57	147.8867821
0.794	346.1	140.0933217	28.02	1.04	351.6	137.249547
1.407	69.02	152.2412889	28.02	1.54	62.89	160.0184597
1.551	35.28	164.1145653	27.88	1.727	27.66	151.6916155
1.524	19.24	142.6934665	27.68	1.804	15.32	139.8513355
1.755	63.48	159.1551325	27.58	1.929	61.44	162.254416
1.776	57.93	168.3936501	27.57	1.987	53.84	177.0350136
1.514	53.15	178.6729011	27.42	1.838	49.87	187.2762115
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1.63	46.54	193.7248307	26.86	1.812	44.54	187.1594953
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0.935	33.69	161.1178323	26.89	1.053	33.16	160.1702294
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1.07	24.36	147.6505563	27.37	1.389	23.95	147.1972059
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0.842	27.09	150.9418864	28.09	0.775	19.41	142.8345813
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0.578	320.8	177.0711342	28.03	0.603	319.8	179.7400211
1.035	348.9	138.471433	27.68	1.163	347.3	139.3528135
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1.603	341.4	143.6871825	27.34	2.154	339.8	145.1792559
1.087	5.757	135.9336213	27.3	1.258	2.368	135.4899693
1.367	339.7	145.2773166	27.51	1.579	340.4	144.6028841
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26.09	1.97	336.9	148.2635581	154.0170566	No
26.01	1.754	2.031	135.4718928	136.0806669	No
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25.99	1.908	348.1	138.8971847	139.7043221	No
26	1.948	332.9	153.4015168	160.6399483	No
26.02	1.718	339.1	145.8778326	145.5358191	No
26.08	1.412	337.7	147.3618674	149.3650563	No
26.32	1.575	322	174.0400802	186.3197194	Yes
26.62	1.265	329.5	158.684756	164.5072717	No
26.9	1.164	341.6	143.5106627	146.7322506	No
27.14	0.577	16.19	140.4157313	148.2314495	No
27.56	0.393	273.3	141.3988308	145.4885451	No
27.77	0.805	51.45	182.9559362	174.4840408	No
27.95	0.813	39.14	172.4486806	160.5397285	No
27.99	1.192	24.69	148.0230018	151.7147689	No
27.94	1.099	358.2	135.5960285	139.6430422	No
27.96	1.939	66.54	155.0814128	155.1153625	No
27.75	2.201	29.45	154.1956303	159.4210806	No
27.56	2.043	19.14	142.611174	140.9977468	No
27.44	2.343	63.06	159.7670066	159.6559909	No
27.43	2.521	55.99	172.2754156	176.1587773	Yes
27.23	2.155	51.67	182.3810308	184.7474704	Yes
26.93	1.986	57.75	168.7383433	174.4550145	No
26.72	2.137	48.69	190.7347283	190.2338135	Yes
26.72	1.431	49.96	187.0208004	183.2535325	Yes
26.8	1.177	36.82	167.2503421	163.3793464	No
27.07	1.39	26.91	150.7097577	148.373464	No
27.28	1.473	26.03	149.6062451	148.1434093	No
27.46	0.662	298.3	159.1263255	148.7365911	No
27.74	0.378	310.2	182.5632711	143.6278561	No
28.06	0.988	24.14	147.4060101	150.2239158	No
28.13	1.056	73.59	147.9768362	147.5081897	No
28.01	0.654	89.4	141.3232279	141.4879595	No
28.13	0.312	252.5	148.8864702	157.3353921	No
28.21	0.337	8.09	136.5190089	137.4479599	No
28.06	0.774	328.6	160.24088	177.0961443	Yes
27.68	1.377	353.5	136.5830783	139.2604585	No
27.38	1.643	339.9	145.0817692	147.1519614	No
27.31	2.235	349.5	138.1714606	145.4398098	No
27.26	1.514	9.62	137.0294194	135.9390505	No
27.42	1.9	346.4	139.9016992	143.8527489	No
27.51	1.914	344.3	141.3360215	150.5363304	No
27.55	1.873	332.4	154.1225109	158.3586475	No
27.58	1.438	337.8	147.2519401	150.6439376	No
27.61	1.281	319	181.9742025	190.0832558	Yes
27.67	0.956	300.1	161.8412498	170.4192605	No
27.84	0.831	305.7	172.0452245	168.5146766	No
27.92	1.312	341.5	143.5986496	155.0952999	No
28.08	0.879	309.2	180.0191816	158.1829164	No
28.08	1.529	40.61	176.0660376	181.037998	Yes

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7/24/2019	14:41	28.53	0.902
7/24/2019	14:42	28.47	0.967
7/24/2019	14:43	28.44	1.01
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7/24/2019	14:45	28.37	0.859
7/24/2019	14:46	28.35	0.602
7/24/2019	14:47	28.36	0.624
7/24/2019	14:48	28.37	0.628
7/24/2019	14:49	28.39	0.733
7/24/2019	14:50	28.39	0.833
7/24/2019	14:51	28.42	0.789
7/24/2019	14:52	28.38	0.53
7/24/2019	14:53	28.37	0.596
7/24/2019	14:54	28.42	0.925
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7/24/2019	14:56	28.18	1.402
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7/24/2019	14:58	27.66	1.078
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7/24/2019	15:00	26.99	1.118
7/24/2019	15:01	26.69	1.089
7/24/2019	15:02	26.46	1.161
7/24/2019	15:03	26.3	0.992
7/24/2019	15:04	26.29	0.833
7/24/2019	15:05	26.58	0.703
7/24/2019	15:06	27.02	1.223
7/24/2019	15:07	27.29	1.196
7/24/2019	15:08	27.44	1.005
7/24/2019	15:09	27.72	0.838
7/24/2019	15:10	27.94	1.052
7/24/2019	15:11	28.03	1.162
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7/24/2019	15:14	28.14	0.808
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7/24/2019	15:17	28.44	0.601
7/24/2019	15:18	28.54	0.88
7/24/2019	15:19	28.53	0.927
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7/24/2019	15:26	28.34	1.039
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19.1	142.5784051	28.59
326.4	164.3504379	28.61
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1.071	323.2
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0.903	349
0.63	7.847
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0.599	12.44
0.793	5.327
0.908	22.3
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1.023	4.66
0.993	353
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0.689	20.48
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1.481	33.24	160.3116711	27.99	1.833	28.89	153.3872847
1.304	20.24	143.5457921	27.92	1.516	16.24	140.4492918
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1.647	28.27	152.5190595	27.28	1.924	26.6	150.3151193
1.562	21.93	145.1109551	26.95	1.725	20.75	144.0013693
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7/24/2019	15:34	28.22	0.735
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7/24/2019	15:36	28.25	1.093
7/24/2019	15:37	28.26	0.323
7/24/2019	15:38	28.49	0.21
7/24/2019	15:39	28.61	0.578
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7/24/2019	15:41	28.37	1.182
7/24/2019	15:42	28.22	0.865
7/24/2019	15:43	28.21	0.806
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27.78	2.352	38.24	170.3609349	168.023523	No
27.71	2.375	35.1	163.7633675	164.5603711	No
27.73	1.822	55.21	173.9440363	164.6307834	No
27.84	1.368	32.16	158.4489035	150.8456724	No
27.92	2.074	20.64	143.9018981	143.0637118	No
27.92	1.558	43.23	183.2130662	183.6425144	Yes
27.94	1.285	58	168.2604307	163.8612849	No
28.1	1.164	28.78	153.2312132	152.316526	No
28.11	1.657	25.16	148.5652455	145.2941226	No
27.78	1.933	22.15	145.3265626	144.5726174	No
27.53	1.476	43.15	182.9805229	183.5784119	Yes
27.19	2.086	344.6	141.1176841	150.7159524	No
26.88	2.245	346.4	139.9016992	140.7900498	No
26.65	2.253	346.3	139.9650888	141.829045	No
26.45	1.87	348.3	138.7879636	142.4231678	No
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26.38	1.918	0.097	135.4588032	135.5928161	No
26.73	1.92	351.2	137.4099861	139.7687186	No
27.05	1.755	350.9	137.5349652	139.1475726	No
27.31	1.501	341.5	143.5986496	145.8872687	No
27.57	1.772	329.8	158.1813694	162.9545937	No
27.66	2.221	322.2	173.55231	184.8278605	Yes
27.66	2.017	318.5	183.4173207	185.3921683	Yes
27.72	1.414	348.8	138.5230334	141.7702918	No
27.82	1.766	351.5	137.2889944	139.6482237	No
27.85	1.885	329	159.540656	167.6433574	No
27.86	1.452	332.3	154.2689366	161.7454364	No
27.97	1.262	330.6	156.8753741	182.2695598	Yes
28.04	1.65	331.8	155.0123664	158.7855222	No
27.94	2.079	338	147.0339187	155.5974361	No
27.86	1.969	332.8	153.5442409	159.1947807	No
27.76	2.004	323.8	169.8197457	185.0799282	Yes
27.79	1.186	332.6	153.8318952	164.8237474	No
27.85	1.55	29.05	153.6158781	157.9553684	No
27.85	1.119	29.72	154.5937152	148.0658174	No
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27.7	1.984	39.09	172.3302336	179.592778	Yes
27.66	2.048	34.31	162.2584154	159.761047	No
27.68	1.55	40.21	175.0553305	172.4293273	No
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27.83	1.843	355	136.1668004	136.7972706	No
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7/24/2019	17:54	28.1	0.444
7/24/2019	17:55	28.12	0.553
7/24/2019	17:56	28.13	0.492
7/24/2019	17:57	28.17	0.616
7/24/2019	17:58	28.14	0.742
7/24/2019	17:59	28.01	1.006
7/24/2019	18:00	27.91	0.609
7/24/2019	18:01	27.92	0.662
7/24/2019	18:02	27.87	0.878

31.02	156.588682	28.77
348	138.952495	29
343.7	141.786421	29.12
328.8	159.8890273	29.12
318.7	182.8356637	29.21
321.7	174.7809062	29.19
337.9	147.1426245	29.02
351.5	137.2889944	28.87
339.2	145.7762909	28.75
331.7	155.1633342	28.59
333.2	152.9777221	28.5
337.4	147.6953406	28.44
344.5	141.1899582	28.45
330.4	157.1969778	28.49
319.7	180.0143756	28.67
339.5	145.4751667	28.67
330.2	157.5218261	28.56
309.2	180.0191816	28.54
301	163.294883	28.61
321	176.5532489	28.75
322.1	173.7955882	28.81
334.9	150.6969261	28.85
333.1	153.1182603	28.84
338.8	146.1859844	28.96
317.1	187.6599662	29.17
314.5	195.7142115	29.51
313.2	191.0071128	29.64
312.5	188.9210494	29.64
300.1	161.8412498	29.7
311.7	186.6257896	29.66
321.1	176.2962446	29.6
309.7	181.2753983	29.4
299	160.152474	29.33
309	179.5253688	29.25
318.7	182.8356637	29.22
326	165.1468514	29.03
342.1	143.0788632	28.73
346.8	139.6529623	28.65
349.4	138.2203136	28.7
357.5	135.6843278	28.74
338.1	146.9258206	28.85
342.6	142.6604859	28.86
343.8	141.7100752	28.81
347.6	139.1784222	28.87
333.3	152.8379067	28.9
348.4	138.734051	28.98
9.94	137.1490436	28.93
3.027	135.5388843	28.75
11.3	137.7078372	28.59
342.9	142.4158267	28.62
338.4	146.6051528	28.54

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0.655	356.9
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0.936	334.9
0.776	322.3
1.098	325.5
1.275	344.7
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1.494	350.7
1.332	333.1
1.467	335.6
1.176	342.1
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0.85	304.9
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1.018	330.9
1.104	339.9
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0.653	337.2
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0.49	320.4
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0.87	311.5
0.865	304
0.838	303
0.872	326.9
1.551	332.1
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1.096	355.4
1.142	354.3
1.018	353.8
1.098	345.2
1.211	353.4
1.06	351.6
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0.901	350.4
1.176	352.2
1.2	12.98
1.337	0.874
0.943	8.38
1.233	352.7
1.393	343

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141.1899582	27.89
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189.2145397	28.45
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166.7703272	28.51
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0.626	356.1	135.9221983	28.21	0.827	353.6	136.5523328
1.033	345.7	140.355632	28.26	1.298	339.7	145.2773166
1.052	328.1	161.1359522	28.22	1.256	323.1	171.416365
0.746	316.7	188.9294126	28.27	1.052	310.2	182.5632711
1.255	320.7	177.3320297	28.24	1.524	318.5	183.4173207
1.354	344.5	141.1899582	28.11	1.733	336.6	148.6120398
1.386	355.8	135.9838512	28.01	1.635	352.1	137.0589052
1.538	351.2	137.4099861	27.91	1.996	348.4	138.734051
1.55	334.5	151.2154981	27.79	1.813	326.4	164.3504379
1.684	334.8	150.8255466	27.72	2.027	330	157.8499471
1.206	338.9	146.0826775	27.7	1.548	335.7	149.6921424
1.433	344.7	141.0459134	27.72	1.605	338.4	146.6051528
0.888	328.5	160.4181218	27.75	1.326	324.1	169.1522337
0.915	320.6	177.5942369	27.91	1.153	316.9	188.2914027
1.536	348.5	138.6806025	27.89	1.832	344.5	141.1899582
1.676	333.2	152.9777221	27.79	1.855	330	157.8499471
1.14	308.1	177.3628294	27.78	1.436	306.1	172.8883094
0.874	302.2	165.3383346	27.87	1.223	300.1	161.8412498
0.895	316.9	188.2914027	27.96	1.373	315.4	193.2425592
1.118	325.5	166.1647422	27.97	1.363	319.2	181.4071437
1.067	336.7	148.4952449	27.95	1.381	331.3	155.7749165
1.076	338.1	146.9258206	27.92	1.168	332.4	154.1225109
0.531	334	151.8792052	28.01	0.742	324.5	168.2774801
0.524	316.6	189.2509084	28.18	0.774	304.3	169.2222095
0.367	314.5	195.7142115	28.42	0.55	314.2	195.7142115
0.902	317.2	187.3466876	28.49	1.258	313	190.403504
0.574	306	172.6759748	28.47	0.786	290.9	150.341502
0.677	293.5	153.0256028	28.51	0.934	285.6	146.0555256
0.876	309.9	181.7867003	28.49	1.13	301.8	164.6434892
1.073	322.1	173.7955882	28.41	1.43	314.5	195.7142115
0.976	311	184.6919171	28.26	1.202	301.7	164.4719393
0.901	301.4	163.9624173	28.25	1.212	297.3	157.7235069
0.865	304.7	170.0089535	28.21	1.164	294.6	154.2869623
0.994	321.8	174.5327325	28.18	1.11	311.1	184.9640411
1.727	331.5	155.4675767	28.05	2.061	329	159.540656
1.39	348.9	138.471433	27.83	1.616	346.7	139.7144254
1.119	351.5	137.2889944	27.78	1.236	351.2	137.4099861
1.067	351.9	137.1338452	27.81	1.39	350.9	137.5349652
1.029	352.1	137.0589052	27.83	1.181	345.6	140.4224336
0.993	344.4	141.262737	27.88	1.262	338.6	146.3943767
1.142	348.4	138.734051	27.88	1.384	349.6	138.1230627
0.819	354.1	136.4050401	27.86	1.193	348.2	138.8423412
1.003	348.9	138.471433	27.9	1.052	342	143.1641434
0.745	355.1	136.1424529	27.92	1.032	348.5	138.6806025
1.004	350.2	137.8421902	27.95	1.362	349.5	138.1714606
1.128	12.73	138.3847675	27.91	1.374	17.6	141.4098131
1.478	358.5	135.564413	27.78	1.633	0.142	135.4573538
1.042	11.87	137.9665692	27.71	1.074	11.72	137.897064
1.079	348	138.952495	27.73	1.385	339.8	145.1792559
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28.18	1.002	358.5	135.564413	136.8008175	No
28.21	1.54	344.8	140.9746448	142.0808117	No
28.16	1.494	327.1	162.994021	160.7845676	No
28.21	1.302	317.8	185.5005447	181.9096466	Yes
28.16	1.855	323	171.6490075	175.4237497	Yes
28.03	1.886	347	139.5314724	144.497634	No
27.95	1.891	355.5	136.0492916	136.507589	No
27.85	2.302	352.6	136.8792016	139.8852091	No
27.73	2.206	332.9	153.4015168	155.9618826	No
27.66	2.386	337.2	147.9207527	152.867157	No
27.65	1.875	340.3	144.6975271	146.6372559	No
27.67	1.926	343.1	142.25535	142.5077457	No
27.72	1.347	330.6	156.8753741	160.4073742	No
27.88	1.359	320.8	177.0711342	178.6531776	Yes
27.84	2.168	346.7	139.7144254	140.8671975	No
27.74	2.286	332.1	154.5640391	153.955476	No
27.75	1.674	311.7	186.6257896	178.6055159	Yes
27.85	1.339	305.3	171.2186266	165.2206667	No
27.91	1.565	321.5	175.2809825	181.1665491	Yes
27.89	1.68	326.1	164.946271	169.4416164	No
27.88	1.669	336.7	148.4952449	150.0122142	No
27.87	1.503	336.4	148.8475437	149.227422	No
27.98	0.917	332.3	154.2689366	153.5658556	No
28.15	0.789	322.8	172.1177686	183.836906	Yes
28.38	0.706	323.2	171.184873	191.3163127	Yes
28.43	1.323	318.5	183.4173207	184.0442874	Yes
28.42	0.998	307.1	175.0703199	171.0482409	No
28.47	0.985	291	150.437296	153.4043181	No
28.44	1.281	307.8	176.6631365	181.5746346	Yes
28.34	1.613	318	184.8977039	177.2477446	Yes
28.19	1.364	307.6	176.202409	179.1263877	Yes
28.19	1.288	304.9	170.4081994	162.6201712	No
28.16	1.258	301.1	163.4605101	167.6479029	No
28.14	1.311	315.5	192.9002508	176.4273076	Yes
27.99	2.352	336.8	148.379085	158.6797808	No
27.79	1.823	355.4	136.0719483	139.6893957	No
27.77	1.55	355	136.1668004	137.6059728	No
27.8	1.537	353.6	136.5523328	137.3095604	No
27.82	1.403	353.5	136.5830783	137.4144491	No
27.86	1.457	343.5	141.9406579	143.8193757	No
27.87	1.614	355.1	136.1424529	139.0329634	No
27.86	1.219	2.474	135.4966252	138.5517509	No
27.9	1.282	352.2	137.0220917	139.4775387	No
27.92	1.233	358.1	135.6073966	141.3532837	No
27.95	1.43	355.6	136.0270567	137.9424484	No
27.92	1.64	16.37	140.5371254	138.8640752	No
27.79	1.96	3.876	135.6284126	135.5015413	No
27.74	1.496	13.88	138.99708	137.5448637	No
27.77	1.572	349.1	138.3696112	140.8480362	No
27.72	2.085	339.6	145.3759529	146.5501306	No

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7/24/2019	18:05	27.79	0.477
7/24/2019	18:06	27.84	0.466
7/24/2019	18:07	27.86	0.668
7/24/2019	18:08	27.85	0.618
7/24/2019	18:09	27.8	0.464
7/24/2019	18:10	27.8	0.491
7/24/2019	18:11	27.85	0.292
7/24/2019	18:12	27.92	0.504
7/24/2019	18:13	27.96	0.669
7/24/2019	18:14	27.92	0.608
7/24/2019	18:15	27.87	0.695
7/24/2019	18:16	27.82	0.513
7/24/2019	18:17	27.83	0.453
7/24/2019	18:18	27.84	0.556
7/24/2019	18:19	27.87	0.578
7/24/2019	18:20	27.89	0.849
7/24/2019	18:21	27.85	0.727
7/24/2019	18:22	27.8	0.723
7/24/2019	18:23	27.77	0.523
7/24/2019	18:24	27.76	0.628
7/24/2019	18:25	27.75	0.698
7/24/2019	18:26	27.68	0.755
7/24/2019	18:27	27.63	0.789
7/24/2019	18:28	27.6	0.618
7/24/2019	18:29	27.58	0.56
7/24/2019	18:30	27.54	0.672
7/24/2019	18:31	27.55	0.471
7/24/2019	18:32	27.6	0.555
7/24/2019	18:33	27.64	0.583
7/24/2019	18:34	27.64	0.729
7/24/2019	18:35	27.61	0.522
7/24/2019	18:36	27.68	0.288
7/24/2019	18:37	27.75	0.337
7/24/2019	18:38	27.83	0.356
7/24/2019	18:39	27.95	0.123
7/24/2019	18:40	28.09	0.265
7/24/2019	18:41	28.21	0.289
7/24/2019	18:42	28.21	0.417
7/24/2019	18:43	28.1	0.451
7/24/2019	18:44	28.09	0.332
7/24/2019	18:45	28.12	0.375
7/24/2019	18:46	28.1	0.421
7/24/2019	18:47	28.11	0.314
7/24/2019	18:48	28.12	0.215
7/24/2019	18:49	28.13	0.362
7/24/2019	18:50	28.1	0.271
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7/24/2019	18:52	28.12	0.253
7/24/2019	18:53	28.09	0.397

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18.28	141.9251412	28.56
6.06	135.996636	28.6
16.2	140.4224336	28.59
18.72	142.2713034	28.51
16.57	140.673884	28.51
8.42	136.6205407	28.59
359.3	135.4983288	28.73
354.7	136.2423866	28.79
355.6	136.0270567	28.7
4.151	135.6638264	28.6
2.156	135.4780503	28.52
355	136.1668004	28.56
360	135.4622116	28.59
336.2	149.0856146	28.64
328.5	160.4181218	28.66
334.2	151.6116385	28.55
8.64	136.690833	28.47
12.8	138.4202926	28.41
22.72	145.8982112	28.41
12.63	138.334407	28.4
14.31	139.2418717	28.31
15.51	139.9714544	28.23
9.01	136.8137675	28.19
9.09	136.8411277	28.18
9.64	137.0367646	28.13
9.37	136.939078	28.17
15.95	140.2563494	28.25
23.48	146.6901341	28.31
43.76	184.7778754	28.29
41.45	178.2555426	28.24
29.38	154.0933154	28.32
16.02	140.3025441	28.42
38.69	171.3931641	28.53
9.51	136.9893332	28.71
49.84	187.3616064	28.99
348.8	138.5230334	29.18
8.41	136.6173951	29.12
7.725	136.4121506	28.94
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1.123	342.4
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0.784	9.57
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0.983	17.73
0.781	13.13
0.902	12.3
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0.663	8.8
0.625	15.91
0.76	21.96
0.825	31.76
0.613	37.42
0.469	32.84
0.574	14.07
0.394	27.17
0.338	7.549
0.26	33.1
0.552	357.2
0.661	14.29
0.677	6.336
0.373	18.84
0.526	17.67
0.456	26.85
0.41	27.33
0.37	5.847
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0.338	39.5
0.38	35.06
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0.599	21.03

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136.215751	27.88
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136.720191	27.83
137.0111329	27.78
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141.5065023	27.65
138.5908029	27.61
138.1714606	27.61
136.0350127	27.56
136.743267	27.58
140.23006	27.64
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139.230293	28.45
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143.9199341	28.19
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155.7903652	28.25
144.2575928	28.16

1.137	348	138.952495	27.64	1.399	340.5	144.5088047
1.074	352.5	136.9142707	27.63	1.466	349.3	138.2696225
0.77	14.03	139.0814851	27.65	0.96	16.9	140.9038772
0.731	17.59	141.4024111	27.7	0.959	24.77	148.1143156
1.058	8.83	136.7532216	27.72	1.251	16.92	140.9179907
1.064	14.65	139.4416079	27.72	1.291	18.61	142.1838182
0.875	11.43	137.765561	27.67	1.226	15.52	139.9778248
0.826	18.29	141.932897	27.67	1.003	18.9	142.4158267
0.475	12.92	138.4817163	27.74	0.7	21.59	144.783189
0.672	356.3	135.8831963	27.83	0.856	353.5	136.5830783
0.929	1.813	135.462698	27.86	1.261	350.2	137.8421902
1.041	356.3	135.8831963	27.79	1.199	349.2	138.3193881
1.062	3.054	135.5412716	27.71	1.271	6.138	136.0134828
0.821	5.11	135.8119642	27.68	1.015	5.907	135.9643341
0.657	358.9	135.52806	27.71	1.031	354.4	136.3217962
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1.219	330.1	157.6854758	27.77	1.579	326.8	163.5696028
1.008	342.4	142.8262379	27.68	1.423	334.2	151.6116385
0.957	8.66	136.6973268	27.61	1.185	8.96	136.7968084
0.709	13	138.5230334	27.57	0.994	14.02	139.0758252
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1	14.37	139.2767214	27.55	1.332	15.39	139.8953869
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0.973	17.49	141.3286703	27.46	1.187	23.87	147.1099488
0.798	14.08	139.1098549	27.41	1.007	15.27	139.820015
0.846	12.53	138.2845042	27.4	1.127	9.64	137.0367646
0.909	5.813	135.9449768	27.37	1.244	7.146	136.2543143
0.647	10.5	137.3692134	27.38	0.892	9.7	137.0589052
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27.66	1.635	356.3	135.8831963	137.6222266	No
27.68	1.285	20.7	143.9560723	139.838845	No
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27.75	1.541	18.18	141.8478681	137.8763737	No
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27.7	1.42	17.6	141.4098131	139.3852995	No
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27.8	0.85	20.46	143.740565	140.0469975	No
27.91	1.003	354.6	136.2684311	135.8822541	No
27.92	1.394	356.9	135.7762441	136.4410104	No
27.84	1.517	355	136.1668004	136.5811671	No
27.77	1.494	6.97	136.2091638	135.7927831	No
27.76	1.287	10.15	137.2299885	135.8675249	No
27.78	1.196	356.6	135.8278372	135.8787464	No
27.83	1.269	355.4	136.0719483	136.1649594	No
27.86	1.209	345.1	140.7638403	144.9301441	No
27.85	1.838	333.6	152.4227699	157.6006681	No
27.76	1.58	341.4	143.6871825	147.2189382	No
27.7	1.474	11.75	137.9108838	136.7262898	No
27.68	1.181	14.24	139.2014287	138.257571	No
27.68	1.318	26.41	150.0764315	144.6526919	No
27.65	1.635	17.13	141.0673918	138.7068463	No
27.6	1.42	16.93	140.925055	138.9094113	No
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27.52	1.423	12.14	138.0942421	137.5834643	No
27.5	1.397	11.58	137.8331076	136.3177671	No
27.54	0.967	14.52	139.364591	137.0276159	No
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27.64	1.267	29.09	153.6733204	147.200143	No
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27.86	0.788	26.95	150.7611515	142.9035956	No
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28.41	0.968	15.38	139.8890793	138.2901613	No
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28.17	0.685	28.9	153.4015168	148.4215964	No
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28.07	0.81	33.32	160.4536759	163.7141848	No
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28.11	0.533	48.91	190.0741275	175.7609722	Yes
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7/24/2019	18:58	27.71	0.214
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7/24/2019	19:01	27.64	0.337
7/24/2019	19:02	27.6	0.227
7/24/2019	19:03	27.61	0.197
7/24/2019	19:04	27.59	0.342
7/24/2019	19:05	27.57	0.253
7/24/2019	19:06	27.5	0.29
7/24/2019	19:07	27.47	0.362
7/24/2019	19:08	27.42	0.408
7/24/2019	19:09	27.32	0.456
7/24/2019	19:10	27.21	0.408
7/24/2019	19:11	27.13	0.304
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7/24/2019	19:13	27.07	0.347
7/24/2019	19:14	27.03	0.352
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7/24/2019	19:16	26.94	0.304
7/24/2019	19:17	26.91	0.261
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7/24/2019	19:19	26.86	0.298
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7/24/2019	19:23	26.59	0.295
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68.79	152.4883424	26.2
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0.694	65.2	156.7843776	26.78	0.824	62.29	160.9236749
0.448	78.23	144.800768	26.7	0.584	73.66	147.9206242
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0.365	47.54	194.3112433	25.78	0.49	48.54	191.1893975
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0.304	54.77	174.9140473	25.82	0.437	56.99	170.2280503
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27.75	1.013	22.36	145.5349729	142.3234266	No
27.64	0.825	30.13	155.2087741	150.7137652	No
27.63	0.785	41.48	178.3354589	179.0502835	Yes
27.61	0.64	20.48	143.758403	138.6624551	No
27.58	0.849	17.53	141.3581057	138.2774334	No
27.54	0.762	33.23	160.2939602	157.0385429	No
27.51	0.92	29.84	154.7724074	150.3583538	No
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27.36	0.718	43.06	182.7200414	180.1530899	Yes
27.35	0.866	44.22	186.1708553	184.4609285	Yes
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27.13	0.98	35.06	163.6857467	160.756003	No
27.09	0.832	38.14	170.1346579	160.2008085	No
27.15	0.642	42.77	181.8887763	162.0319339	No
27.2	0.757	44.64	187.4718049	188.0886508	Yes
27.22	0.839	58.78	166.8068628	173.8114592	No
27.19	0.922	55.13	174.118838	181.9152663	Yes
27.17	0.856	52.44	180.4177788	174.0630782	No
27.16	0.756	61.71	161.8254673	166.9259928	No
27.13	0.712	60.42	163.928721	167.1489025	No
27.11	0.838	66.23	155.4645385	159.2954814	No
27.04	0.975	63.65	158.9112216	158.3845506	No
26.95	0.841	74.09	147.5810817	147.2761807	No
26.88	0.847	67.56	153.8656216	151.1269747	No
26.81	0.779	61.26	162.5436568	171.8838318	No
26.71	0.926	56.24	171.7540562	178.5914988	Yes
26.62	0.924	59.41	165.6732814	169.436439	No
26.51	0.999	61.43	162.2704159	166.4778278	No
26.41	1.001	62.24	161.0003707	163.6371128	No
26.32	0.834	62.82	160.1226395	159.1071477	No
26.24	0.96	70.45	150.7771618	146.7323476	No
26.15	1.041	73.72	147.8726522	145.387427	No
26.08	0.86	73.48	148.0657023	147.8457536	No
26.04	0.746	71.6	149.6870709	152.1877195	No
26.04	0.787	63.61	158.9684193	158.8008688	No
26.03	0.799	72.79	148.6381099	157.2265026	No
26.07	0.687	51.68	182.3550484	183.5408159	Yes
26.07	0.713	49.12	189.4504054	186.4864013	Yes
26.07	0.766	52.8	179.5253688	182.8598855	Yes
26.08	0.594	51.65	182.4330346	180.9771727	Yes
26.1	0.643	54.05	176.5475272	174.0940979	No
26.11	0.632	55.17	174.0313508	170.8792462	No
26.14	0.55	55.88	172.5068603	166.4224741	No
26.18	0.597	50.96	184.2593455	169.5875845	No
26.2	0.516	58.27	167.7508929	148.468405	No
26.24	0.417	61.76	161.7466749	157.6778901	No

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7/24/2019	19:53	25.92	0.107
7/24/2019	19:54	25.85	0.171
7/24/2019	19:55	25.75	0.152
7/24/2019	19:56	25.65	0.141
7/24/2019	19:57	25.55	0.131
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7/24/2019	20:05	24.51	0.158
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7/24/2019	20:18	23.35	0.039
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0.278	12.63	138.334407	25.59	0.417	9.3	136.9142707
0.306	10.98	137.5689686	25.45	0.507	14.33	139.2534694
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0.409	90.6	141.2767366	24.86	0.423	84.1	142.2756368
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0.403	87	141.6027124	24.8	0.397	79.94	143.8995048
0.4	98.4	142.4938547	24.69	0.439	93.6	141.431807
0.315	96.9	142.0529811	24.58	0.325	91.2	141.2767366
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0.327	90.1	141.2885722	24.34	0.345	92.1	141.3057907
0.431	92.7	141.344545	24.2	0.453	92.8	141.3525134
0.458	104	145.0495749	24.09	0.581	101.6	143.7746389
0.512	99.8	142.996497	23.98	0.63	95.5	141.7313339
0.478	95.9	141.8144468	23.91	0.547	92.1	141.3057907
0.406	93.5	141.4203824	23.84	0.424	89.9	141.2963201
0.255	83.8	142.366475	23.78	0.272	82.6	142.7702052
0.164	81.6	143.1564895	23.74	0.229	86.6	141.6735922
0.275	359.4	135.4919297	23.67	0.287	12.4	138.2203136
0.158	22.36	145.5349729	23.6	0.164	36.13	165.8158367
0.228	24.05	147.3068271	23.56	0.256	31.77	157.8005192
0.187	36.92	167.4623258	23.54	0.27	39.6	173.55231
0.15	43.43	183.7985903	23.52	0.233	42.1	180.0143756
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0.163	43.48	183.9459073	23.47	0.269	48.7	190.7045403
0.141	60.54	163.7272523	23.47	0.247	58.54	167.2481347
0.08	73.94	147.698405	23.46	0.181	55.94	172.3804619
0.106	70.87	150.3701793	23.43	0.227	62.68	160.3321254
0.191	50.66	185.0732733	23.41	0.29	58.15	167.9765122
0.213	47.78	193.5473464	23.39	0.273	45.07	188.8332888
0.214	60.5	163.7942737	23.34	0.273	59.57	165.39101
0.284	55	174.4043676	23.29	0.332	52.28	180.8195583
0.33	49.7	187.7618297	23.23	0.36	41.72	178.9791492
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26.3	0.379	54.39	175.768917	175.5053032	Yes
26.34	0.26	45.13	189.0256862	153.581202	No
26.38	0.209	33.22	160.276258	152.7820299	No
26.41	0.357	21.55	144.7450604	138.9847217	No
26.39	0.383	23.14	146.3316094	139.5949612	No
26.34	0.439	20.44	143.7227489	139.7566236	No
26.26	0.449	24.49	147.7964681	136.6982218	No
26.19	0.535	32.41	158.8712281	141.6139622	No
26.09	0.649	29.91	154.8771494	146.9788753	No
25.99	0.597	23.99	147.240981	139.9111481	No
25.86	0.626	16.57	140.673884	138.917722	No
25.73	0.708	22.46	145.6351144	138.1030508	No
25.63	0.644	28.74	153.1746786	161.9017712	No
25.58	0.697	45.18	189.1864756	184.5260564	Yes
25.56	0.723	62.76	160.212235	156.5367568	No
25.53	0.78	67.51	153.9236403	152.6673337	No
25.51	0.729	79.82	143.9582088	142.5568519	No
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25.38	0.686	93.5	141.4203824	142.182599	No
25.3	0.662	85.1	142.0017483	141.9662168	No
25.23	0.635	71.15	150.1045476	148.8724553	No
25.14	0.586	83.2	142.5602372	142.4199904	No
24.99	0.58	94.8	141.6027124	142.2959405	No
24.86	0.534	95.4	141.7116497	141.9971929	No
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24.4	0.83	106.4	146.6068237	143.5095046	No
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24.28	0.645	85.3	141.9522815	148.0080884	No
24.27	0.536	93.6	141.431807	153.9235642	No
24.16	0.327	29.39	154.1079094	138.6881356	No
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23.94	0.355	41.33	177.9370795	158.1001641	No
23.9	0.334	49.83	187.3901001	180.8230994	Yes
23.86	0.331	52.66	179.8705226	163.458857	No
23.83	0.35	56.57	171.0756434	178.4632769	Yes
23.82	0.312	67.34	154.1221105	167.0345667	No
23.79	0.32	67.02	154.5007906	157.829984	No
23.77	0.344	68.22	153.1147436	156.7897885	No
23.74	0.344	57.75	168.7383433	163.9210202	No
23.7	0.338	57.53	169.1638289	177.5335728	Yes
23.64	0.313	69.63	151.6017119	162.6834754	No
23.57	0.388	52.04	181.4282546	177.7313237	Yes
23.49	0.493	42.17	180.2072496	176.1941982	Yes
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23.33	0.623	36.15	165.8567325	161.8167995	No

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7/24/2019	21:16	21	0.112
7/24/2019	21:17	20.97	0.182
7/24/2019	21:18	20.96	0.181
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7/24/2019	21:20	20.9	0.133
7/24/2019	21:21	20.86	0.163
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7/24/2019	21:24	20.8	0.166
7/24/2019	21:25	20.78	0.147
7/24/2019	21:26	20.76	0.119

34.45	162.5208477	22.33
30.23	155.3607408	22.27
7.849	136.4478134	22.19
344.4	141.262737	22.13
312.7	189.5095215	22.08
300.7	162.802978	22.03
283.5	144.7611164	22
272.9	141.3609132	21.98
261.3	143.2813061	21.96
245.4	156.5223835	21.95
238.7	166.9533691	21.92
220.7	176.2962446	21.88
221.3	177.8577632	21.84
230.9	184.4211537	21.8
255	146.8948028	21.76
277.4	142.1888102	21.72
291.1	150.5336711	21.68
288.8	148.4611505	21.64
292	151.4274771	21.6
297.3	157.7235069	21.56
		21.53
281.5	143.7274589	21.49
259.1	144.324759	21.45
253.6	147.9687897	21.43
285.8	146.1902907	21.41
290.2	149.6870709	21.4
297.7	158.2758734	21.39
306.2	173.1016948	21.37
303.7	168.0709172	21.34
313.7	192.5433417	21.31
321.8	174.5327325	21.28
300.1	161.8412498	21.24
275.7	141.7720144	21.21
264.7	142.105983	21.19
268.7	141.3790081	21.17
269.1	141.344545	21.15
284.8	145.5366244	21.13
297	157.3167727	21.1
324.8	167.6326681	21.07
285.3	145.8571712	21.04
262.8	142.6984082	20.99
255.2	146.7497779	20.98
245.8	156.0067	20.96
198.9	142.4158267	20.92
156.8	148.379085	20.89
151.3	155.7749165	20.84
214.8	163.184934	20.79
232.6	180.0191816	20.76
222.7	181.6899539	20.76
191.8	137.9340071	20.73
220.8	176.5532489	20.7

0.208	33.43
0.129	32.4
0.176	16.28
0.173	2.873
0.178	336.5
0.2	320.6
0.209	295.1
0.211	281.9
0.182	264
0.174	246
0.195	232.6
0.194	212.8
0.223	217.9
0.199	220.4
0.165	249.4
0.224	265.7
0.22	279.7
0.206	281.6
0.17	282.6
0.108	291.1
0.075	306.7
0.074	273.4
0.064	237.5
0.055	237.9
0.102	268.3
0.185	277.8
0.263	293.6
0.249	300.2
0.237	301.6
0.19	299.7
0.173	312.2
0.192	293
0.244	278.2
0.233	273.3
0.27	271.5
0.266	274.1
0.217	278.7
0.199	288.4
0.137	309.7
0.185	288.9
0.306	268.9
0.245	258.1
0.218	242.1
0.137	221.3
0.17	165.1
0.229	146
0.185	204.4
0.225	223.8
0.223	218.2
0.219	185.9
0.192	215.3

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143.9189973	22.2
142.3054699	22.19
155.7529709	22.18
180.0191816	22.17
159.540656	22.13
169.5961403	22.09
175.5328989	22.03
151.8402112	21.98
141.8586336	21.92
142.9576428	21.87
143.7746389	21.83
144.2723744	21.8
150.5336711	21.76
174.1845669	21.72
141.4093904	21.68
169.2222095	21.65
168.4508857	21.62
141.4203824	21.59
142.3054699	21.57
153.1370917	21.56
161.9995159	21.55
164.3012465	21.53
161.2161624	21.51
188.0494405	21.48
152.4775331	21.44
142.4292686	21.41
141.3988308	21.39
141.2825466	21.37
141.4954247	21.34
142.5941034	21.31
148.1307424	21.28
181.2753983	21.24
148.5451154	21.19
141.3609132	21.14
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161.2161624	21.1
177.8577632	21.05
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147.6953406	20.93
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170.2702897	20.91
135.9628798	20.89
164.1537804	20.87

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0.136	37.52	168.7564538	22.84	0.287	28.82	153.2878644
0.212	22.2	145.3759529	22.77	0.289	26.25	149.8772948
0.182	4.611	135.7300974	22.71	0.297	13.6	138.8423412
0.195	339.1	145.8778326	22.67	0.317	353.3	136.6458601
0.24	322	174.0400802	22.62	0.326	337	148.1486618
0.253	303.4	167.507983	22.58	0.275	319.8	179.7400211
0.24	295.6	155.5019575	22.54	0.245	321.7	174.7809062
0.171	284.3	145.2285189	22.52	0.161	309.2	180.0191816
0.175	258.8	144.4847842	22.5	0.173	279.1	142.7340803
0.236	248.7	152.5859038	22.47	0.249	253.4	148.1307424
0.263	225	188.6095808	22.42	0.371	221.6	178.6563324
0.231	225.2	189.2509084	22.33	0.344	226.2	192.5597384
0.249	234.6	175.2945059	22.27	0.27	232.8	179.5253688
0.222	252.6	148.8003043	22.2	0.295	245.1	156.9164217
0.231	262.3	142.8813029	22.14	0.337	251.5	149.7788447
0.195	276.2	141.8813857	22.08	0.332	263.7	142.397648
0.189	274.4	141.5387984	22.03	0.324	262.8	142.6984082
0.172	277.1	142.105983	21.99	0.304	263.4	142.4938547
0.119	281.3	143.6345036	21.96	0.226	261.1	143.3668232
0.078	287.1	147.1162438	21.93	0.14	261.9	143.0358082
0.086	264.2	142.2462495	21.89	0.125	248.8	152.4775331
0.076	238.2	167.8823409	21.86	0.141	237.9	168.4508857
0.081	239.9	164.8158999	21.83	0.157	238.9	166.5881931
0.124	264.1	142.2756368	21.8	0.191	253.5	148.0494963
0.147	273.2	141.3887034	21.78	0.24	263.1	142.5941034
0.289	286.3	146.5361202	21.78	0.36	271.8	141.2922309
0.308	295.4	155.2536405	21.8	0.405	280.7	143.3668232
0.295	297.7	158.2758734	21.81	0.402	285.5	145.9889028
0.278	305.6	171.8370419	21.8	0.38	296.3	156.3924283
0.293	317.3	187.035022	21.77	0.353	311.2	185.2375331
0.276	304.8	170.2080831	21.72	0.399	297.8	158.4157786
0.3	288.2	147.9687897	21.69	0.423	283.4	144.7048835
0.221	275.2	141.6735922	21.67	0.387	275.4	141.7116497
0.226	271.7	141.2885722	21.63	0.399	273.2	141.3887034
0.229	275.6	141.7514553	21.59	0.404	273.8	141.4559546
0.253	284.5	145.3502763	21.54	0.397	276.8	142.0271438
0.26	289.8	149.3256382	21.5	0.373	280.3	143.1976347
0.175	303.5	167.6946976	21.44	0.306	288.4	148.1307424
0.214	292.9	152.3697801	21.38	0.355	283.1	144.539086
0.259	268.5	141.3988308	21.33	0.478	262.9	142.6631883
0.291	254.6	147.1911034	21.31	0.404	253.1	148.3777321
0.285	247.9	153.475345	21.28	0.384	249.8	151.4274771
0.138	228.1	192.5433417	21.23	0.268	240.8	163.294883
0.194	180.6	135.4473567	21.18	0.236	201.5	144.6975271
0.281	160.5	144.5088047	21.12	0.273	166.7	139.7144254
0.229	210	155.0123664	21.08	0.319	211.3	157.0357721
0.289	224.5	187.035022	21.07	0.394	218.6	171.184873
0.294	217.7	169.1522337	21.07	0.386	210.6	155.9297559
0.273	190.6	137.4099861	21.05	0.383	188.8	136.743267
0.233	212.1	158.3483275	21.04	0.398	203	146.1859844

23.29	0.606	34.38	162.3894043	164.2731766	No
23.3	0.563	33.32	160.4536759	159.0648232	No
23.29	0.562	28.27	152.5190595	143.0443225	No
23.27	0.554	18.6	142.1758963	137.8402551	No
23.28	0.538	9.4	136.949775	155.1906715	No
23.23	0.449	359.8	135.4704656	165.6464892	No
23.16	0.378	351.8	137.171973	161.723825	No
23.1	0.332	351.8	137.171973	153.8906936	No
23.05	0.257	352.1	137.0589052	152.7086191	No
23	0.185	336.2	149.0856146	149.8735547	No
22.94	0.144	284.5	145.3502763	161.9222993	No
22.83	0.423	236.4	171.4237479	175.7757035	Yes
22.7	0.368	239.4	165.6909983	182.3161376	Yes
22.64	0.347	238.9	166.5881931	178.6934818	Yes
22.55	0.385	252	149.3256382	151.112935	No
22.46	0.417	255.4	146.6068237	144.1768979	No
22.38	0.385	263.5	142.4613373	144.4425869	No
22.31	0.39	263.6	142.4292686	144.118249	No
22.28	0.368	263.7	142.397648	145.0749223	No
22.24	0.295	261	143.4102756	148.8146262	No
22.21	0.229	260.4	143.6807474	154.7788729	No
22.19	0.21	252.1	149.2366877	144.965158	No
22.16	0.236	243.9	158.5564148	162.4700488	No
22.14	0.239	242.4	160.7556316	161.9559421	No
22.12	0.274	254.3	147.4188376	144.4839516	No
22.1	0.322	263.3	142.5268211	143.9938369	No
22.1	0.392	267.9	141.4686779	149.810329	No
22.11	0.365	272.8	141.3525134	158.4304186	No
22.11	0.366	277.4	142.1888102	159.159235	No
22.1	0.433	284.1	145.1087319	170.4972435	No
22.08	0.426	296.4	156.5223835	183.713682	Yes
22.05	0.491	287.9	147.7298938	160.7356612	No
22.02	0.523	280.4	143.23924	144.2187391	No
21.99	0.436	281.7	143.8222881	141.7225139	No
21.95	0.438	284.5	145.3502763	141.3347076	No
21.88	0.434	280.1	143.1158038	141.5118449	No
21.81	0.432	281.3	143.6345036	143.877037	No
21.75	0.427	281.6	143.7746389	149.492697	No
21.68	0.388	285.8	146.1902907	166.1833766	No
21.61	0.417	282.4	144.169036	147.8277882	No
21.58	0.453	269.6	141.3111722	142.0303351	No
21.58	0.47	264.6	142.1331484	146.7984129	No
21.54	0.446	261.4	143.23924	155.5314211	No
21.49	0.373	253.4	148.1307424	169.0279537	No
21.42	0.325	223.7	184.5985921	142.3219523	No
21.35	0.27	201	144.2299319	151.2862495	No
21.3	0.421	223.7	184.5985921	155.7321033	No
21.27	0.52	228.4	191.6169031	180.7841951	Yes
21.28	0.504	220.1	174.7809062	169.2605583	No
21.26	0.464	201	144.2299319	137.012535	No
21.23	0.461	212.7	159.3677662	161.3103353	No

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7/24/2019	21:27	20.73	0.123
7/24/2019	21:28	20.7	0.094
7/24/2019	21:29	20.68	0.107
7/24/2019	21:30	20.67	0.065
7/24/2019	21:31	20.66	0.071
7/24/2019	21:32	20.65	0.102
7/24/2019	21:33	20.64	0.076
7/24/2019	21:34	20.62	0.115
7/24/2019	21:35	20.6	0.15
7/24/2019	21:36	20.57	0.115
7/24/2019	21:37	20.56	0.118
7/24/2019	21:38	20.55	0.056
7/24/2019	21:39	20.55	0.178
7/24/2019	21:40	20.53	0.214
7/24/2019	21:41	20.49	0.131
7/24/2019	21:42	20.44	0.168
7/24/2019	21:43	20.39	0.234
7/24/2019	21:44	20.37	0.234
7/24/2019	21:45	20.36	0.201
7/24/2019	21:46	20.34	0.155
7/24/2019	21:47	20.33	0.085
7/24/2019	21:48	20.31	0.09
7/24/2019	21:49	20.3	0.117
7/24/2019	21:50	20.29	0.156
7/24/2019	21:51	20.27	0.264
7/24/2019	21:52	20.24	0.201
7/24/2019	21:53	20.23	0.173
7/24/2019	21:54	20.21	0.162
7/24/2019	21:55	20.19	0.148
7/24/2019	21:56	20.17	0.178
7/24/2019	21:57	20.15	0.103
7/24/2019	21:58	20.14	0.129
7/24/2019	21:59	20.13	0.132
7/24/2019	22:00	20.12	0.121
7/24/2019	22:01	20.12	0.178
7/24/2019	22:02	20.12	0.187
7/24/2019	22:03	20.11	0.222
7/24/2019	22:04	20.1	0.28
7/24/2019	22:05	20.08	0.202
7/24/2019	22:06	20.07	0.2
7/24/2019	22:07	20.07	0.297
7/24/2019	22:08	20.06	0.268
7/24/2019	22:09	20.06	0.243
7/24/2019	22:10	20.05	0.28
7/24/2019	22:11	20.02	0.199
7/24/2019	22:12	19.99	0.197
7/24/2019	22:13	19.97	0.158
7/24/2019	22:14	19.95	0.167
7/24/2019	22:15	19.93	0.207
7/24/2019	22:16	19.92	0.161
7/24/2019	22:17	19.91	0.114

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286.2	146.4659307	20.61
305	170.6093072	20.61
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274.8	141.6027124	20.6
264.8	142.0792607	20.59
219.4	173.0693692	20.58
221.1	177.3320297	20.56
191.3	137.7078372	20.54
137.3	187.035022	20.5
128.1	177.3628294	20.47
78.93	144.4149103	20.46
67.74	153.6580837	20.44
26.45	150.1264814	20.4
312	187.4756675	20.36
303.2	167.137323	20.31
302.3	165.5142265	20.29
301.8	164.6434892	20.28
296.2	156.2631643	20.27
303.8	168.2604307	20.25
312.2	188.0494405	20.24
313.9	195.7142115	20.22
314.9	194.9814553	20.21
305.2	171.014516	20.2
302.1	165.1633188	20.19
297.9	158.5564148	20.17
296.8	157.0491672	20.15
290.1	149.595865	20.13
286.8	146.8948028	20.12
281.7	143.8222881	20.1
279.2	142.7702052	20.09
283.7	144.8750382	20.08
285.1	145.7274513	20.07
286.8	146.8948028	20.07
293.1	152.5859038	20.07
295	154.7650203	20.07
283.8	144.932729	20.06
272.2	141.3111722	20.06
264.3	142.2173074	20.06
257.6	145.1683796	20.07
257.9	144.9909076	20.06
256.3	145.9889028	20.06
249.5	151.7361232	20.03
202.2	145.3759529	20
202.2	145.3759529	19.97
189.1	136.8445673	19.94
156.6	148.6120398	19.9
158.9	146.0826775	19.86
145.4	166.3713526	19.83
168.5	138.6806025	19.81

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0.182	274
0.145	290
0.138	269.9
0.241	270.4
0.156	253.1
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0.169	148.5
0.117	127
0.158	79.94
0.235	58.03
0.168	25.47
0.184	329
0.288	315
0.256	317.1
0.213	315.1
0.197	311.5
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0.254	312.4
0.242	308.9
0.212	309.2
0.185	307.5
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0.165	295.6
0.21	305.6
0.275	302.1
0.307	292.9
0.326	274.3
0.338	262.6
0.316	254.7
0.321	254.8
0.285	249.4
0.241	242.2
0.216	198.3
0.265	193.6
0.222	188.4
0.238	159.7
0.289	150.3
0.219	134.6
0.157	150.4

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141.2801795	20.74
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162.994021	20.69
138.8423412	20.68
160.4181218	20.65
174.8472386	20.63
143.8995048	20.62
168.203478	20.58
148.9305756	20.53
159.540656	20.47
194.6299891	20.41
187.6599662	20.41
194.2803784	20.4
186.0662962	20.39
195.7142115	20.36
180.290119	20.34
183.1257514	20.33
172.8296935	20.32
186.1096044	20.31
188.6290418	20.31
179.2802945	20.29
180.0191816	20.27
175.9737479	20.25
162.3184643	20.23
161.0618684	20.22
154.4054945	20.21
151.7361232	20.19
151.2247092	20.19
155.5019575	20.19
171.8370419	20.19
165.1633188	20.19
152.3697801	20.19
141.5239064	20.19
142.7702052	20.2
147.1162438	20.2
147.041908	20.19
151.8402112	20.18
161.0618684	20.14
141.9406579	20.11
138.8423412	20.09
136.6142539	20.08
145.2773166	20.05
157.3589946	20.03
195.4097096	20.01
157.1969778	19.98

0.223	173.3	136.6458601	21.02	0.306	176.7	135.8102214
0.172	198.2	141.8632814	20.97	0.262	192.9	138.471433
0.176	262.8	142.6984082	20.96	0.247	247.5	153.9352634
0.145	283.1	144.539086	20.94	0.212	256.7	145.7274513
0.128	263.8	142.366475	20.91	0.186	249.3	151.9449052
0.181	269.8	141.30084	20.89	0.32	262.5	142.8067836
0.18	253.4	148.1307424	20.87	0.249	247.1	154.4054945
0.195	228.4	191.6169031	20.84	0.289	227.9	193.1689136
0.255	221.3	177.8577632	20.82	0.356	218.1	170.0444603
0.237	205.8	149.3262707	20.82	0.335	208.6	152.9777221
0.203	168.9	138.471433	20.81	0.285	181.2	135.4473567
0.162	149.2	159.1957351	20.78	0.228	164.2	141.4098131
0.194	96.4	141.9282093	20.76	0.209	111.4	150.8262993
0.322	60.5	163.7942737	20.74	0.374	66.23	155.4645385
0.231	38.19	170.2476564	20.73	0.278	51.66	182.4070262
0.224	343.2	142.1758963	20.68	0.295	356.4	135.8643244
0.34	322.8	172.1177686	20.63	0.417	335.2	150.3151193
0.316	320.8	177.0711342	20.62	0.42	322.2	173.55231
0.285	316.3	190.2254851	20.59	0.401	317.3	187.035022
0.255	310.8	184.1517432	20.58	0.356	312.7	189.5095215
0.17	315.5	192.9002508	20.55	0.252	316.4	189.898934
0.174	319.4	180.8458047	20.53	0.26	316.7	188.9294126
0.182	316.1	190.8837175	20.51	0.273	315	194.6299891
0.273	321.3	175.7860767	20.49	0.361	319.2	181.4071437
0.358	319.8	179.7400211	20.49	0.449	317.1	187.6599662
0.302	313.2	191.0071128	20.48	0.421	309.7	181.2753983
0.261	309.4	180.5179243	20.45	0.404	306.8	174.4043676
0.185	310.5	183.3515534	20.43	0.36	307.4	175.7462142
0.186	308	177.1284437	20.41	0.304	308	177.1284437
0.201	306	172.6759748	20.4	0.295	307	174.8472386
0.141	307.3	175.5198021	20.39	0.247	306.8	174.4043676
0.157	299.8	161.3712442	20.37	0.253	299.8	161.3712442
0.158	298	158.6977847	20.36	0.237	293.1	152.5859038
0.144	298.9	160.0036074	20.36	0.217	298.2	158.9827372
0.194	300.8	162.9661204	20.35	0.273	295.8	155.7529709
0.226	307.2	175.2945059	20.35	0.327	303.4	167.507983
0.301	305.3	171.2186266	20.35	0.42	301.6	164.3012465
0.357	297.5	157.9982448	20.35	0.499	294.9	154.6445213
0.332	281.8	143.8704074	20.36	0.529	279.7	142.9576428
0.284	262.9	142.6631883	20.38	0.503	263.2	142.5602372
0.351	257	145.5366244	20.37	0.525	256	146.1902907
0.371	256.1	146.1226545	20.35	0.575	255.1	146.8220309
0.311	250.1	151.1242187	20.33	0.502	251.7	149.595865
0.31	242.6	160.4525084	20.29	0.466	245.1	156.9164217
0.264	208.2	152.4227699	20.26	0.347	215.5	164.548069
0.334	206.2	149.8154124	20.24	0.407	208.9	153.4015168
0.275	197.5	141.3360215	20.23	0.381	202.8	145.9799608
0.301	173.5	136.5830783	20.21	0.391	180.9	135.4455
0.372	161.4	143.6871825	20.18	0.471	163.7	141.786421
0.309	149.6	158.5161218	20.16	0.395	152.4	154.1225109
0.223	162.6	142.6604859	20.13	0.328	162.6	142.6604859

21.22	0.386	188.6	136.6778973	142.0510801	No
21.17	0.39	205.1	148.4952449	143.9021336	No
21.15	0.356	235.6	173.1016948	146.1453592	No
21.13	0.288	243	159.8555038	152.5952674	No
21.09	0.263	246.8	154.7650203	144.3961237	No
21.05	0.341	262.8	142.6984082	141.7476289	No
21.02	0.339	250.5	150.728171	148.2483075	No
20.98	0.383	232.7	179.7716623	182.7913563	Yes
20.98	0.467	221.7	178.9252109	172.0570685	No
20.98	0.45	215.3	164.1537804	144.7135428	No
20.97	0.395	200	143.3363204	155.3429834	No
20.94	0.316	187.3	136.2949008	163.2039041	No
20.91	0.26	145	167.2080708	145.2672309	No
20.88	0.289	82	142.996497	160.2800935	No
20.85	0.183	73.54	148.017149	162.9279349	No
20.83	0.272	18.55	142.1363651	156.2641361	No
20.8	0.365	340.5	144.5088047	171.05005	No
20.77	0.444	327.8	161.6837458	175.9494092	Yes
20.75	0.491	320.5	177.8577632	184.0460937	Yes
20.73	0.465	318.5	183.4173207	178.9976813	Yes
20.71	0.367	320	179.1954466	186.6934567	Yes
20.69	0.365	316.4	189.898934	184.5286942	Yes
20.66	0.371	315.1	194.2803784	191.0884174	Yes
20.64	0.432	321.6	175.0303206	181.2510923	Yes
20.63	0.514	316.2	190.5537426	181.1310269	Yes
20.61	0.569	307.7	176.4322033	181.5187179	Yes
20.59	0.559	307.2	175.2945059	173.1897503	No
20.57	0.503	307.8	176.6631365	174.0415291	No
20.56	0.441	309.3	180.2679334	169.9566251	No
20.55	0.431	307.1	175.0703199	164.1841201	No
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20.54	0.341	299.6	161.0618684	154.9795471	No
20.54	0.334	296.1	156.1345891	151.9737125	No
20.53	0.33	303.4	167.507983	153.9846263	No
20.53	0.375	302.6	166.0471971	155.2789629	No
20.52	0.43	304.9	170.4081994	166.8063586	No
20.52	0.501	304.3	169.2222095	163.8620531	No
20.52	0.548	298.8	159.8555038	152.4863188	No
20.52	0.529	282.8	144.3776216	142.4157822	No
20.53	0.508	266.7	141.6552183	142.5527346	No
20.52	0.566	262.8	142.6984082	146.0028846	No
20.52	0.601	261.7	143.1158038	146.2443753	No
20.5	0.561	261.1	143.3668232	149.6372994	No
20.49	0.554	255.5	146.5361202	157.5417304	No
20.47	0.451	234.2	176.202409	151.0718624	No
20.45	0.491	229.2	189.2145397	146.8588058	No
20.45	0.487	220.5	175.7860767	140.1937009	No
20.43	0.497	197.9	141.6342428	141.4794837	No
20.39	0.565	182	135.4704656	147.2288189	No
20.35	0.519	175.8	135.9838512	168.6049237	No
20.32	0.456	184.5	135.7132992	145.299638	No

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7/24/2019	22:22	19.84	0.115
7/24/2019	22:23	19.82	0.169
7/24/2019	22:24	19.82	0.188
7/24/2019	22:25	19.81	0.216
7/24/2019	22:26	19.81	0.214
7/24/2019	22:27	19.8	0.238
7/24/2019	22:28	19.79	0.238
7/24/2019	22:29	19.78	0.22
7/24/2019	22:30	19.77	0.17
7/24/2019	22:31	19.76	0.138
7/24/2019	22:32	19.76	0.133
7/24/2019	22:33	19.76	0.105
7/24/2019	22:34	19.76	0.095
7/24/2019	22:35	19.75	0.098
7/24/2019	22:36	19.74	0.056
7/24/2019	22:37	19.73	0.077
7/24/2019	22:38	19.7	0.08
7/24/2019	22:39	19.69	0.096
7/24/2019	22:40	19.68	0.15
7/24/2019	22:41	19.67	0.138
7/24/2019	22:42	19.67	0.082
7/24/2019	22:43	19.66	0.064
7/24/2019	22:44	19.64	0.047
7/24/2019	22:45	19.62	0.053
7/24/2019	22:46	19.61	0.097
7/24/2019	22:47	19.61	0.097
7/24/2019	22:48	19.61	0.085
7/24/2019	22:49	19.6	0.105
7/24/2019	22:50	19.59	0.186
7/24/2019	22:51	19.57	0.283
7/24/2019	22:52	19.53	0.305
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7/24/2019	22:56	19.41	0.16
7/24/2019	22:57	19.39	0.167
7/24/2019	22:58	19.37	0.123
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7/24/2019	23:00	19.36	0.057
7/24/2019	23:01	19.34	0.047
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7/24/2019	23:04	19.34	0.07
7/24/2019	23:05	19.34	0.126
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166.6	139.7763685	19.61
155.7	149.6921424	19.6
146.9	163.3767931	19.59
136	191.2154206	19.59
135.5	192.9002508	19.6
152.7	153.6876994	19.59
162.7	142.5784051	19.59
193.9	139.008273	19.58
206.1	149.6921424	19.56
223.3	183.4173207	19.54
229.1	189.5095215	19.53
221.3	177.8577632	19.55
220.8	176.5532489	19.57
192	138.0276292	19.56
161.5	143.5986496	19.54
209.4	154.1225109	19.52
238.9	166.5881931	19.5
259.8	143.9680589	19.51
298.1	158.8398912	19.52
315.6	192.5597384	19.53
322.9	171.8828066	19.52
323.2	171.184873	19.51
323.3	170.9545255	19.48
318.5	183.4173207	19.44
310.8	184.1517432	19.4
302.9	166.5881931	19.38
287	147.041908	19.35
285	145.663343	19.33
285.1	145.7274513	19.32
295.4	155.2536405	19.31
283.5	144.7611164	19.3
277.9	142.3357491	19.29
252.1	149.2366877	19.28
261.6	143.1564895	19.28
263.7	142.397648	19.3
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271.5	141.2825466	19.27

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0.182	125.9
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0.115	141.6
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0.115	193
0.138	212.4
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148.1486618	19.89
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0.182	200.2	143.5106627	20.13	0.272	194.6	139.411891
0.248	189.2	136.8792016	20.14	0.305	184.9	135.7762441
0.319	177.8	135.6439919	20.14	0.386	174.9	136.1915717
0.369	170.5	137.7078372	20.12	0.483	166.7	139.7144254
0.41	161.9	143.249962	20.13	0.561	158.2	146.8183282
0.433	160.4	144.6028841	20.13	0.589	156.8	148.379085
0.441	165.3	140.6257933	20.1	0.592	162	143.1641434
0.427	169.4	138.2203136	20.07	0.594	161.8	143.3363204
0.345	166.7	139.7144254	20.03	0.458	159.6	145.3759529
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0.268	158.6	146.3943767	19.97	0.376	155.6	149.8154124
0.246	152.1	154.5640391	19.94	0.375	150.4	157.1969778
0.22	140.5	177.8577632	19.92	0.325	143.7	170.0444603
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0.198	145	167.2080708	19.89	0.27	145.8	165.5509953
0.134	158.1	146.9258206	19.87	0.241	154.3	151.4788997
0.146	176.2	135.9024875	19.85	0.219	168.3	138.7879636
0.16	188.2	136.5523328	19.83	0.249	176.7	135.8102214
0.169	205	148.379085	19.81	0.26	190.8	137.4928614
0.239	216.9	167.4198452	19.8	0.326	204.6	147.9207527
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0.158	226.5	193.5866754	19.83	0.247	224.1	185.8042924
0.148	200.7	143.9560723	19.82	0.223	201	144.2299319
0.122	184.1	135.6570213	19.8	0.222	189.3	136.9142707
0.125	198.4	142.0185516	19.79	0.222	194	139.0645196
0.151	224.6	187.3466876	19.78	0.227	213.5	160.7752562
0.194	247.1	154.4054945	19.78	0.255	242.5	160.6036824
0.149	274.4	141.5387984	19.79	0.257	267.8	141.4818346
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0.57	322.3	173.3102392	19.72	0.79	319.2	181.4071437
0.549	317	187.9748679	19.67	0.751	313.7	192.5433417
0.525	309.1	179.7716623	19.63	0.699	304.7	170.0089535
0.449	301.2	163.6269725	19.6	0.582	299.2	160.4525084
0.369	293.6	153.1370917	19.58	0.521	293.7	153.2492103
0.349	288.1	147.8886214	19.56	0.469	287.8	147.6513318
0.281	285.6	146.0555256	19.54	0.43	286.2	146.4659307
0.228	291.4	150.8262993	19.53	0.389	291.6	151.0243214
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0.109	265.6	141.8813857	19.5	0.231	280	143.0755769
0.153	273.1	141.3790081	19.5	0.278	277	142.0792607
0.203	270.2	141.2853442	19.5	0.381	270.8	141.2750152
0.292	268.7	141.3790081	19.5	0.506	270	141.2922309
0.412	277.5	142.2173074	19.52	0.671	274.6	141.5698857
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20.32	0.414	205.1	148.4952449	144.392155	No
20.35	0.369	209.4	154.1225109	147.3603194	No
20.38	0.356	207.7	151.7450728	149.2754105	No
20.37	0.387	197.7	141.484113	137.1245313	No
20.36	0.484	185	135.7930238	137.264795	No
20.34	0.598	175.9	135.9628798	140.6022777	No
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20.34	0.787	170.5	137.7078372	149.1308963	No
20.32	0.829	173	136.743267	142.4451972	No
20.27	0.791	166.7	139.7144254	139.9441743	No
20.22	0.642	169.2	138.3193881	141.8020459	No
20.17	0.548	168.9	138.471433	144.9176349	No
20.13	0.508	166.4	139.9016992	152.1292366	No
20.08	0.49	164	141.5589225	165.7781695	No
20.05	0.449	160.4	144.6028841	177.8955825	Yes
20.02	0.426	159	145.9799608	181.4253961	Yes
19.99	0.436	163.4	142.0185516	169.2878265	No
19.97	0.372	168.3	138.7879636	154.0033615	No
19.94	0.368	176.8	135.7930238	137.540349	No
19.91	0.394	184.5	135.7132992	140.1444325	No
19.89	0.395	194.9	139.5919783	157.0358752	No
19.88	0.406	205.5	148.9662571	168.7236449	No
19.88	0.337	219.8	174.0400802	179.5049562	Yes
19.89	0.298	225.6	190.5537426	187.296694	Yes
19.88	0.315	208.6	152.9777221	140.6914915	No
19.87	0.362	198.1	141.786421	140.8829523	No
19.86	0.336	198.8	142.3353263	143.4582999	No
19.86	0.311	216.7	166.9973396	175.9077966	Yes
19.87	0.322	247.8	153.5893653	152.1890201	No
19.86	0.3	271.4	141.2801795	145.8979645	No
19.86	0.439	304.6	169.810806	177.0011559	Yes
19.89	0.663	318.5	183.4173207	185.7245987	Yes
19.85	0.876	318.4	183.7103804	178.160805	Yes
19.82	0.975	317.6	186.1096044	177.3455722	Yes
19.79	0.968	313.1	190.7045403	188.3612629	Yes
19.75	0.899	307.2	175.2945059	177.7652007	Yes
19.73	0.808	305.2	171.014516	161.3884634	No
19.71	0.724	303.3	167.3221929	149.7889153	No
19.7	0.669	301.2	163.6269725	146.20945	No
19.69	0.631	300.2	161.9995159	145.1311361	No
19.68	0.593	302.4	165.6909983	151.3913529	No
19.68	0.468	304.6	169.810806	148.2772609	No
19.68	0.368	305.4	171.4237479	144.1969844	No
19.67	0.339	299.7	161.2161624	144.0426112	No
19.66	0.367	292.8	152.2626427	142.0543677	No
19.65	0.449	285.4	145.922785	141.6034905	No
19.65	0.606	284.7	145.4740121	141.4012099	No
19.67	0.819	287.1	147.1162438	142.1227561	No
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19.67	0.803	268	141.4559546	142.2920907	No

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7/24/2019	23:13	19.24	0.226
7/24/2019	23:14	19.23	0.288
7/24/2019	23:15	19.22	0.229
7/24/2019	23:16	19.21	0.209
7/24/2019	23:17	19.2	0.167
7/24/2019	23:18	19.19	0.133
7/24/2019	23:19	19.18	0.137
7/24/2019	23:20	19.17	0.102
7/24/2019	23:21	19.16	0.074
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7/24/2019	23:24	19.12	0.088
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7/24/2019	23:26	19.12	0.113
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7/24/2019	23:43	18.88	0.042
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7/24/2019	23:49	18.88	0.177
7/24/2019	23:50	18.88	0.186
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7/24/2019	23:52	18.88	0.152
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7/24/2019	23:55	18.87	0.122
7/24/2019	23:56	18.87	0.083
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0.063	137.7	185.8042924	19.16	0.131	112.5	151.9449052
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0.167	28.23	152.4639941	19.15	0.146	35.17	163.8995735
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0.17	354.6	136.2684311	19.12	0.141	356	135.9423289
0.198	6.99	136.2142283	19.11	0.173	5.738	135.9297985
0.06	59.23	165.9935407	19.1	0.108	54.87	174.6917359
0.04	40.57	175.9640554	19.08	0.056	62.57	160.4977794
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0.271	160.3	144.6975271	19.1	0.339	155.5	149.9393426
0.379	160	144.9848547	19.14	0.44	149.1	159.3677662
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0.371	158.1	146.9258206	19.18	0.539	150.6	156.8753741
0.304	164.6	141.1176841	19.16	0.443	151.1	156.0853794
0.273	163.4	142.0185516	19.15	0.396	151.3	155.7749165
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19.46	0.752	251.7	149.595865	158.4785096	No
19.43	0.737	252.5	148.8864702	156.1944838	No
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19.38	0.631	256.7	145.7274513	147.8641156	No
19.36	0.527	258.1	144.8750382	146.1857127	No
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19.36	0.395	244	158.4157786	172.2314928	No
19.36	0.297	230.6	185.2375331	149.4802863	No
19.35	0.267	203.7	146.9258206	139.5523848	No
19.33	0.377	180.4	135.4506575	153.5730621	No
19.32	0.348	174.4	136.3217962	165.859275	No
19.3	0.15	185.9	135.9628798	160.8426513	No
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19.24	0.04	303.8	168.2604307	138.9412826	No
19.21	0.057	196.8	140.8336095	158.0032213	No
19.19	0.104	160.8	144.2299319	167.396402	No
19.18	0.127	154.4	151.3468538	170.2836308	No
19.18	0.149	131.7	186.6257896	150.6742131	No
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19.17	0.132	17.61	141.4172202	137.120123	No
19.17	0.109	359	135.5200067	136.5448447	No
19.15	0.062	337.7	147.3618674	141.2765663	No
19.14	0.085	353	136.743267	136.1497358	No
19.12	0.044	128.8	179.0364331	158.0901614	No
19.1	0.054	122.5	165.8686538	159.3237612	No
19.08	0.049	148.1	161.1359522	146.310977	No
19.08	0.112	162.5	142.7430964	156.1245432	No
19.1	0.141	163.7	141.786421	147.7750147	No
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19.16	0.276	156.4	148.8475437	160.7614829	No
19.22	0.42	157.5	147.5835656	146.1713291	No
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19.27	0.447	165.9	140.2234999	141.8108888	No
19.23	0.38	173.6	136.5523328	136.5521533	No
19.2	0.325	183.5	135.5850754	142.9214318	No
19.16	0.311	181.7	135.458704	138.6710259	No

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173	136.743267	18.95
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166.5	139.8387928	19.04

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0.118	232.6	180.0191816	19.15	0.172	243.1	159.7081601
0.166	251.4	149.8711879	19.18	0.225	254.9	146.9680947
0.226	251.6	149.6870709	19.21	0.299	253.2	148.294859
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0.34	226.6	193.9326112	19.21	0.463	227.4	194.7612235
0.363	221.3	177.8577632	19.21	0.493	220.8	176.5532489
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0.297	204.6	147.9207527	19.22	0.417	207.7	151.7450728
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0.107	317.1	187.6599662	19.16	0.153	284.1	145.1087319
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0.109	277	142.0792607	19.15	0.203	273.1	141.3790081
0.121	234.2	176.202409	19.16	0.177	238.3	167.6946976
0.166	217.3	168.2774801	19.16	0.226	221.8	179.1954466
0.227	197.6	141.4098131	19.17	0.278	197.7	141.484113
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19.14	0.38	165.6	140.4224336	173.6414351	No
19.16	0.443	145.3	166.5789856	171.6761741	No
19.17	0.542	135.8	191.884056	160.8882607	No
19.18	0.543	131.6	186.3453391	155.2791099	No
19.18	0.477	128.1	177.3628294	158.6722036	No
19.18	0.434	126.1	172.8883094	160.4792844	No
19.18	0.387	131.9	187.1909456	163.8731237	No
19.18	0.367	142.9	171.8828066	171.9239218	No
19.19	0.277	141.7	174.7809062	152.6379746	No
19.19	0.26	147.6	162.0534901	140.2145836	No
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19.16	0.227	193.5	138.7879636	167.842957	No
19.15	0.336	200.9	144.1380905	168.5822784	No
19.15	0.344	216.3	166.1647422	175.032467	Yes
19.17	0.309	230	186.9076557	184.4423293	Yes
19.18	0.245	233.3	178.312062	174.7611207	No
19.19	0.19	213.7	161.1359522	143.9323116	No
19.19	0.18	206.1	149.6921424	139.5036731	No
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19.22	0.196	248	153.3619607	174.6993973	No
19.24	0.233	254.9	146.9680947	148.9541023	No
19.26	0.318	255.6	146.4659307	148.3472645	No
19.26	0.4	246.1	155.627126	159.0528282	No
19.24	0.498	235.2	173.9658487	186.8215495	Yes
19.25	0.525	231.5	182.824721	173.6796477	No
19.26	0.513	225.8	191.2154206	156.8446075	No
19.26	0.496	220.4	175.5328989	145.1291915	No
19.26	0.399	207	150.8255466	137.0194232	No
19.24	0.33	205.6	149.0856146	138.8008072	No
19.23	0.232	218.4	170.7253164	157.3216945	No
19.21	0.137	244.5	157.7235069	147.1096785	No
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19.2	0.174	276	141.8363207	177.8875974	Yes
19.2	0.191	269.1	141.344545	141.7042602	No
19.2	0.186	240.8	163.294883	177.8604798	Yes
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19.22	0.384	190.3	137.2889944	136.9217284	No
19.22	0.354	187.2	136.2684311	137.6687722	No
19.21	0.279	184.4	135.6986053	139.8303467	No
19.21	0.249	181.7	135.458704	147.8701396	No
19.21	0.303	175.3	136.0950271	156.2988669	No
19.22	0.286	172.9	136.7766005	150.6181799	No
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19.23	0.152	167.4	139.2942101	139.2607416	No
19.23	0.098	165.9	140.2234999	137.5810339	No
19.24	0.183	172.5	136.9142707	141.1459106	No
19.25	0.315	171.6	137.249547	140.703698	No
19.27	0.453	167.1	139.4714437	141.6833649	No
19.31	0.601	164.9	140.9038772	146.9390423	No

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7/25/2019	0:56	19.29	0.25
7/25/2019	0:57	19.29	0.242
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7/25/2019	0:59	19.28	0.068
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7/25/2019	1:01	19.28	0.143
7/25/2019	1:02	19.28	0.098
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7/25/2019	1:07	19.25	0.122
7/25/2019	1:08	19.23	0.142
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7/25/2019	1:11	19.2	0.219
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7/25/2019	1:19	19.15	0.226
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0.468	163.7	141.786421	19.35	0.616	153.3	152.8379067
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0.435	143.4	170.7253164	19.32	0.604	137.1	187.6599662
0.488	139.8	179.7400211	19.32	0.632	135.5	192.9002508
0.506	136.1	190.8837175	19.32	0.64	131.8	186.9076557
0.551	130.5	183.3515534	19.33	0.675	127.8	176.6631365
0.482	121.7	164.4719393	19.32	0.592	119.2	160.4525084
0.49	121.1	163.4605101	19.29	0.605	120.2	161.9995159
0.597	121.7	164.4719393	19.26	0.672	119.3	160.6036824
0.59	122.2	165.3383346	19.23	0.685	119.3	160.6036824
0.516	116.2	156.2631643	19.21	0.627	115.8	155.7529709
0.471	113.7	153.2492103	19.19	0.632	112.1	151.529758
0.483	111.9	151.3257947	19.18	0.602	108.4	148.1307424
0.495	115.4	155.2536405	19.17	0.586	111.9	151.3257947
0.443	117.1	157.451638	19.16	0.446	115.1	154.8861795
0.347	122	164.9891752	19.15	0.479	117.6	158.1366964
0.325	113	152.4775331	19.14	0.45	113	152.4775331
0.311	114.4	154.0518489	19.14	0.38	108.2	147.9687897
0.308	119.8	161.3712442	19.14	0.393	116.2	156.2631643
0.264	125.6	171.8370419	19.13	0.357	118.6	159.5615734
0.257	135.5	192.9002508	19.13	0.347	130.2	182.5632711
0.323	156.3	148.9662571	19.13	0.422	143.7	170.0444603
0.406	162.3	142.9099119	19.12	0.49	153.1	153.1182603
0.42	180.2	135.4556091	19.12	0.525	169.6	138.1230627
0.466	192.8	138.4202926	19.1	0.562	182	135.4704656
0.405	195.1	139.7144254	19.1	0.568	186.7	136.1424529
0.374	190.4	137.328883	19.1	0.52	183.9	135.6313781
0.418	182.5	135.4983288	19.09	0.552	175	136.1668004
0.353	182.1	135.475212	19.07	0.481	175.2	136.1185285
0.381	178.5	135.564413	19.05	0.446	174	136.4336422
0.443	179.8	135.4704656	19.04	0.57	172.5	136.9142707
0.549	171.9	137.1338452	19.03	0.674	166.6	139.7763685
0.59	172.4	136.949775	19.01	0.748	167.4	139.2942101
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19.34	0.743	162.9	142.4158267	148.4963189	No
19.35	0.749	160.3	144.6975271	148.902072	No
19.38	0.73	159.9	145.0817692	148.8817191	No
19.38	0.746	164.1	141.484113	147.2401343	No
19.38	0.688	168.9	138.471433	142.6512663	No
19.38	0.641	169.3	138.2696225	142.8259932	No
19.38	0.578	169.3	138.2696225	142.6119864	No
19.38	0.383	175.4	136.0719483	138.7241705	No
19.37	0.256	184.8	135.759882	136.7616795	No
19.35	0.273	177.1	135.7439374	140.5755247	No
19.35	0.343	167.7	139.1212357	156.6188896	No
19.35	0.284	164.9	140.9038772	159.3618655	No
19.35	0.244	167.6	139.1784222	154.1125386	No
19.34	0.26	165.7	140.355632	165.4064909	No
19.34	0.291	164.3	141.3360215	166.6230917	No
19.33	0.315	157	148.1486618	174.7523351	No
19.34	0.432	150.3	157.3589946	179.7321305	Yes
19.35	0.533	139.4	180.8458047	181.1348147	Yes
19.36	0.659	143.8	169.8197457	179.6799568	Yes
19.38	0.728	139.8	179.7400211	177.3611086	Yes
19.39	0.814	139.7	180.0143756	181.2753473	Yes
19.39	0.814	136.5	189.5740787	183.766485	Yes
19.39	0.882	132.5	188.9210494	180.2178278	Yes
19.37	0.776	123.8	168.2604307	163.5401829	No
19.32	0.76	124.5	169.6136358	165.3349048	No
19.28	0.864	124.1	168.8346381	162.1962579	No
19.25	0.868	125.2	171.014516	162.3577561	No
19.23	0.771	120.8	162.9661204	152.591981	No
19.21	0.735	117.8	158.4157786	153.1504886	No
19.19	0.79	116.3	156.3924283	151.6411963	No
19.18	0.704	118.2	158.9827372	151.2074302	No
19.16	0.603	123	166.7703272	157.1822476	No
19.15	0.543	120.2	161.9995159	163.1759374	No
19.15	0.524	119.3	160.6036824	154.8856466	No
19.14	0.465	116.5	156.6530324	150.3470013	No
19.14	0.472	120.7	162.802978	164.1288717	No
19.14	0.48	122.5	165.8686538	167.940507	No
19.14	0.473	134.9	194.9814553	186.0177891	Yes
19.14	0.492	147	163.184934	156.5889692	No
19.14	0.591	155.3	150.1891937	145.8814759	No
19.14	0.624	172	137.0961561	136.6438205	No
19.12	0.677	187.5	136.3491176	138.0685049	No
19.12	0.7	193.3	138.6806025	140.1672338	No
19.13	0.662	192.1	138.0751192	136.2417596	No
19.12	0.641	186.2	136.0270567	135.7309592	No
19.1	0.564	184.4	135.6986053	135.7994555	No
19.09	0.586	183.9	135.6313781	136.0981743	No
19.08	0.626	181.9	135.4661321	136.3170807	No
19.07	0.784	176.9	135.7762441	138.5141194	No
19.06	0.885	177.2	135.7284098	138.4545481	No
19.04	0.814	181.4	135.4506575	136.372829	No

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7/25/2019	1:44	18.82	0.193
7/25/2019	1:45	18.8	0.299
7/25/2019	1:46	18.78	0.228
7/25/2019	1:47	18.76	0.267
7/25/2019	1:48	18.74	0.213
7/25/2019	1:49	18.72	0.233
7/25/2019	1:50	18.7	0.282
7/25/2019	1:51	18.68	0.285
7/25/2019	1:52	18.66	0.279
7/25/2019	1:53	18.64	0.358
7/25/2019	1:54	18.63	0.321
7/25/2019	1:55	18.63	0.263
7/25/2019	1:56	18.62	0.241
7/25/2019	1:57	18.61	0.197
7/25/2019	1:58	18.6	0.278
7/25/2019	1:59	18.59	0.195
7/25/2019	2:00	18.58	0.173
7/25/2019	2:01	18.56	0.169
7/25/2019	2:02	18.55	0.135
7/25/2019	2:03	18.53	0.127
7/25/2019	2:04	18.5	0.156
7/25/2019	2:05	18.47	0.18
7/25/2019	2:06	18.43	0.165
7/25/2019	2:07	18.38	0.215
7/25/2019	2:08	18.35	0.197
7/25/2019	2:09	18.31	0.244
7/25/2019	2:10	18.29	0.263
7/25/2019	2:11	18.27	0.233
7/25/2019	2:12	18.25	0.157
7/25/2019	2:13	18.24	0.156
7/25/2019	2:14	18.22	0.209
7/25/2019	2:15	18.22	0.127
7/25/2019	2:16	18.22	0.12
7/25/2019	2:17	18.2	0.119
7/25/2019	2:18	18.18	0.103
7/25/2019	2:19	18.16	0.09
7/25/2019	2:20	18.15	0.107
7/25/2019	2:21	18.13	0.117
7/25/2019	2:22	18.12	0.1
7/25/2019	2:23	18.1	0.052
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7/25/2019	2:25	18.08	0.122
7/25/2019	2:26	18.06	0.105
7/25/2019	2:27	18.03	0.102
7/25/2019	2:28	18.01	0.107
7/25/2019	2:29	17.99	0.116
7/25/2019	2:30	17.96	0.118
7/25/2019	2:31	17.96	0.109
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182.3	135.4859439	18.72
186.5	136.0950271	18.7
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190.2	137.249547	18.66
187.6	136.3768654	18.64
180.5	135.4488008	18.62
182.7	135.5123672	18.6
177.5	135.6843278	18.58
175.9	135.9628798	18.56
190.9	137.5349652	18.54
188.7	136.7103661	18.53
200.9	144.1380905	18.53
202.6	145.7762909	18.53
199.9	143.249962	18.53
178.1	135.6073966	18.52
166.9	139.5919783	18.5
150.9	156.3989918	18.48
134.1	193.8009328	18.47
132	187.4756675	18.46
116.6	156.7843776	18.44
91.2	141.2767366	18.43
83.5	142.4613373	18.41
77.91	144.9850677	18.4
81.8	143.0755769	18.36
83.9	142.3357491	18.32
76.08	146.1361412	18.28
87.3	141.5541247	18.25
92.8	141.3525134	18.23
88.5	141.3988308	18.21
89.7	141.3057907	18.19
89.1	141.344545	18.18
94.3	141.5239064	18.17
103.8	144.932729	18.16
133.2	191.0071128	18.15
142.4	173.0693692	18.12
148.1	161.1359522	18.1
147.2	162.8040494	18.08
158.4	146.6051528	18.06
149.3	159.0245589	18.03
179.4	135.4919297	18.01
178.1	135.6073966	17.98
160.6	144.4152874	17.96
160.2	144.7927354	17.94
174.8	136.2167669	17.91
195.3	139.8387928	17.89
220.3	175.2809825	17.86
216.2	165.9591491	17.85
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238.6	167.137323	17.84
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0.346	177.4
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0.415	169.8
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0.406	181.4
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0.433	204.8
0.371	198.7
0.373	177.7
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0.366	123.9
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0.215	82.9
0.292	75.37
0.243	78.78
0.286	77.55
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0.279	80.7
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0.211	142.5
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0.222	148.6
0.221	145.7
0.225	163.6
0.141	167.6
0.178	157
0.226	157.7
0.209	163.7
0.217	179.7
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0.209	197.8
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0.202	233.1

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136.949775	18.75
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142.397648	18.27
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164.4719393	18.25
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147.3618674	18.1
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141.5589225	17.99
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0.519	183.8	135.6191797	18.91	0.634	178.7	135.5454083
0.471	181.5	135.452927	18.9	0.616	179	135.5200067
0.494	183.9	135.6313781	18.89	0.615	176.5	135.8458714
0.461	184.5	135.7132992	18.87	0.624	178.4	135.5745369
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0.534	175	136.1668004	18.84	0.705	171.6	137.249547
0.546	180.7	135.4463252	18.81	0.67	173.9	136.4626721
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0.611	190.2	137.249547	18.79	0.749	182.3	135.4859439
0.529	195.9	140.2234999	18.78	0.639	187.6	136.3768654
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0.46	197.3	141.1899582	18.78	0.599	191.7	137.8878733
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0.493	167.3	139.3528135	18.74	0.586	167.8	139.0645196
0.397	147.8	161.6837458	18.71	0.517	151.1	156.0853794
0.42	131.9	187.1909456	18.7	0.482	137.4	186.7249594
0.402	125.8	172.2544374	18.68	0.443	134	193.4841124
0.326	121.9	164.8158999	18.66	0.414	128.9	179.2802945
0.34	103	144.4847842	18.65	0.393	110.3	149.7788447
0.463	89.9	141.2963201	18.64	0.383	94.7	141.5860815
0.479	80.9	143.4541915	18.62	0.365	79.59	144.0726264
0.5	84.9	142.0529811	18.56	0.386	85.7	141.8586336
0.592	82.3	142.8813029	18.55	0.451	83.3	142.5268211
0.57	79.67	144.032545	18.53	0.444	80.1	143.8222881
0.631	85.3	141.9522815	18.51	0.511	82.4	142.843816
0.64	84.7	142.105983	18.47	0.515	75	146.8948028
0.545	84.7	142.105983	18.43	0.472	74.6	147.1911034
0.454	85.6	141.8813857	18.41	0.354	77.12	145.4615493
0.461	84.6	142.1331484	18.41	0.37	75.55	146.5009612
0.479	90.7	141.2756607	18.4	0.316	84.5	142.1607573
0.383	103.9	144.9909076	18.39	0.317	99	142.6984082
0.362	120	161.6837847	18.37	0.355	115.7	155.627126
0.389	134.3	194.4394783	18.36	0.423	132.6	189.2145397
0.353	140.3	178.3888034	18.34	0.411	138.5	183.4173207
0.26	138.3	184.0049395	18.33	0.315	136.7	188.9294126
0.348	144.3	168.7126952	18.33	0.395	139.7	180.0143756
0.358	146.2	164.7466785	18.32	0.419	146.1	164.946271
0.341	164	141.5589225	18.32	0.415	158.8	146.1859844
0.244	167.6	139.1784222	18.3	0.371	160.9	144.1380905
0.271	159	145.9799608	18.28	0.378	154.5	151.2154981
0.37	155	150.5689831	18.25	0.401	152.7	153.6876994
0.327	164.9	140.9038772	18.23	0.405	159.6	145.3759529
0.313	180.7	135.4463252	18.19	0.404	171.5	137.2889944
0.295	201.1	144.3223303	18.17	0.388	183.1	135.5454083
0.34	203.1	146.2898835	18.16	0.436	185.7	135.9221983
0.355	203.8	147.0339187	18.16	0.459	188.1	136.5220169
0.295	218.9	171.8828066	18.18	0.399	197.6	141.4098131
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19.02	0.776	183.5	135.5850754	136.3678468	No
19.01	0.797	187.6	136.3768654	135.7895225	No
19	0.758	190.4	137.328883	135.7157967	No
18.98	0.827	187.7	136.4050401	135.5343804	No
18.97	0.745	187.9	136.4626721	135.9802715	No
18.96	0.78	185.7	135.9221983	135.8350147	No
18.94	0.718	188.3	136.5830783	135.5529622	No
18.93	0.79	183.7	135.6073966	136.1096978	No
18.91	0.839	179.1	135.5123672	136.7820761	No
18.89	0.819	180.6	135.4473567	136.0836373	No
18.87	0.802	188	136.4921301	136.0503744	No
18.86	0.897	193.3	138.6806025	136.4919685	No
18.85	0.796	200.2	143.5106627	140.2079444	No
18.85	0.769	204.9	148.2635581	144.2225999	No
18.84	0.656	202.7	145.8778326	141.1457859	No
18.83	0.657	191.7	137.8878733	135.7533051	No
18.8	0.696	175	136.1668004	142.9242527	No
18.78	0.617	159.8	145.1792559	165.7743824	No
18.77	0.61	142.6	172.5912057	184.0419309	Yes
18.75	0.657	141.8	174.5327325	176.9347244	Yes
18.73	0.577	136.2	190.5537426	162.8778002	No
18.72	0.525	123.8	168.2604307	144.2253197	No
18.72	0.549	105.9	146.2584353	142.0017318	No
18.69	0.581	93.7	141.4436643	144.7850052	No
18.64	0.689	101.6	143.7746389	142.8706994	No
18.65	0.759	97.4	142.1888102	143.2355652	No
18.64	0.801	97.6	142.2462495	145.5632091	No
18.65	0.963	88.8	141.3697448	142.3766779	No
18.62	0.946	83.4	142.4938547	143.4741789	No
18.59	0.838	83.9	142.3357491	143.7149591	No
18.61	0.746	89.7	141.3057907	142.7615934	No
18.61	0.664	83.2	142.5602372	143.7076882	No
18.59	0.562	87.4	141.5387984	141.6105398	No
18.55	0.504	94.9	141.6197787	144.2902827	No
18.52	0.464	107.2	147.1911034	168.1974907	No
18.49	0.519	121.6	164.3012465	186.1745638	Yes
18.5	0.498	122.5	165.8686538	173.9429424	No
18.51	0.464	119.7	161.2161624	177.8811196	Yes
18.51	0.492	128.8	179.0364331	163.8932759	No
18.49	0.497	136.7	188.9294126	163.6180192	No
18.48	0.494	153.6	152.4227699	141.2750295	No
18.44	0.439	157.4	147.6953406	139.5255829	No
18.4	0.49	151.5	155.4675767	147.439852	No
18.36	0.505	152.2	154.4161117	149.1028213	No
18.33	0.5	161.6	143.5106627	141.0707545	No
18.29	0.482	174.8	136.2167669	137.0123311	No
18.26	0.478	181.6	135.4556091	149.961562	No
18.23	0.517	183.2	135.5547035	147.8768878	No
18.25	0.535	189.5	136.9857152	144.7729224	No
18.28	0.478	201.5	144.6975271	162.5624221	No
18.3	0.432	219.3	172.8296935	167.1734855	No

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18.33	0.448	222.9	182.2598979	165.10969	No
18.36	0.444	229.5	188.3385084	166.6583947	No
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18.45	0.19	243.9	158.5564148	169.732266	No
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17.97	0.207	209.4	154.1225109	167.5557721	No
17.98	0.217	221.1	177.3320297	156.2851541	No
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18.04	0.189	279.5	142.8813029	143.0909636	No
18.08	0.275	289.9	149.4151502	143.1996345	No
18.12	0.326	288.9	148.5451154	143.0806428	No
18.15	0.386	289.8	149.3256382	142.4656964	No
18.17	0.404	290.9	150.341502	141.5385578	No

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92.7	141.344545	16.99

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0.242	248.7
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0.361	233.3
0.311	248.4
0.344	256
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0.279	258.8
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0.087	257.6
0.05	281.3
0.082	329.5
0.149	325.7
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0.142	312.4
0.137	317.7
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0.082	348.6
0.053	308.8
0.065	266.8
0.053	251.1
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0.09	315.7
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0.348	99.5
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0.536	255.9	146.2584353	17.65	0.539	252.8	148.6296284
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0.229	271	141.2750152	17.56	0.326	270.1	141.2885722
0.19	278.1	142.397648	17.53	0.261	272	141.30084
0.14	292.9	152.3697801	17.5	0.172	272.9	141.3609132
0.158	256.6	145.7920604	17.51	0.183	252.9	148.5451154
0.078	259.8	143.9680589	17.52	0.122	260.2	143.7746389
0.113	305.6	171.8370419	17.52	0.108	297	157.3167727
0.199	313.8	195.7142115	17.52	0.146	306.3	173.3161361
0.241	308	177.1284437	17.53	0.231	301.4	163.9624173
0.216	299.5	160.9083592	17.58	0.237	292.6	152.0502072
0.204	305.6	171.8370419	17.61	0.219	301.3	163.7942737
0.176	312.7	189.5095215	17.62	0.19	311.4	185.7886529
0.149	332.8	153.5442409	17.6	0.152	322.5	172.8296935
0.092	311.8	186.9076557	17.58	0.104	311.9	187.1909456
0.106	282	143.9680589	17.56	0.11	288.9	148.5451154
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0.307	86.6	141.6735922	17.44	0.159	90.1	141.2885722
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0.242	306.2	173.1016948	17.43	0.19	319.4	180.8458047
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18.17	0.436	275	141.6372805	142.1711308	No
18.21	0.546	266.8	141.6372805	148.341922	No
18.21	0.538	261.8	143.0755769	149.4797139	No
18.17	0.44	264.8	142.0792607	143.387544	No
18.14	0.511	254.6	147.1911034	154.1077041	No
18.11	0.656	239.8	164.9891752	181.4775265	Yes
18.05	0.699	234	176.6631365	177.5673312	Yes
17.98	0.774	237.2	169.810806	169.8693514	No
17.88	0.684	251	150.2462872	149.8155296	No
17.82	0.647	258.2	144.8178344	144.1695819	No
17.78	0.719	251.9	149.4151502	148.1216968	No
17.75	0.587	254	147.6513318	143.4609177	No
17.7	0.42	270.5	141.2782429	142.8230367	No
17.65	0.371	266	141.7930115	141.2867435	No
17.63	0.292	268.7	141.3790081	145.6246183	No
17.61	0.233	269.2	141.3370081	158.1977216	No
17.66	0.306	248.4	152.9147416	147.2301764	No
17.67	0.223	255.1	146.8220309	144.7965478	No
17.67	0.168	284.7	145.4740121	159.1420106	No
17.66	0.192	296.6	156.7843776	177.8991148	Yes
17.67	0.277	296.4	156.5223835	178.7938333	Yes
17.72	0.3	295.4	155.2536405	174.3254549	No
17.77	0.285	302.4	165.6909983	179.2874549	Yes
17.78	0.25	306.3	173.3161361	183.1228487	Yes
17.76	0.218	318.2	184.3010071	151.0024562	No
17.72	0.165	308.4	178.0729882	184.3783448	Yes
17.69	0.158	296.7	156.9164217	146.0991855	No
17.66	0.164	304.5	169.6136358	146.9919795	No
17.63	0.146	302.6	166.0471971	153.411025	No
17.63	0.161	291.7	151.1242187	149.8621771	No
17.63	0.156	309.4	180.5179243	184.56282	Yes
17.63	0.133	327.6	162.0534901	160.6396526	No
17.6	0.102	0.596	135.4474065	141.7640997	No
17.58	0.106	12.53	138.2845042	144.8621963	No
17.56	0.167	67.98	153.3845868	142.2341703	No
17.54	0.188	54.56	175.3844908	156.0531605	No
17.53	0.194	22.46	145.6351144	161.1118472	No
17.53	0.256	346.4	139.9016992	142.4675003	No
17.57	0.287	328.1	161.1359522	154.3040155	No
17.58	0.246	334.5	151.2154981	170.8767996	No
17.55	0.241	339.6	145.3759529	172.1704375	No
17.54	0.259	334.3	151.4788997	175.7560405	Yes
17.52	0.273	328.8	159.8890273	159.0375697	No
17.51	0.238	330.8	156.5569873	160.577452	No
17.54	0.213	336	149.3262707	161.51909	No
17.56	0.177	4.941	135.7830733	148.1365995	No
17.55	0.207	59.52	165.4789779	143.9440676	No
17.57	0.426	90.4	141.2801795	143.4412306	No
17.61	0.777	97.8	142.3054699	143.0548355	No
17.53	0.951	94	141.4818346	141.2996608	No

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7/25/2019	4:18	17.03	0.091
7/25/2019	4:19	17.03	0.044
7/25/2019	4:20	17.03	0.124
7/25/2019	4:21	17.01	0.165
7/25/2019	4:22	16.98	0.206
7/25/2019	4:23	16.97	0.312
7/25/2019	4:24	16.98	0.354
7/25/2019	4:25	17	0.423
7/25/2019	4:26	17.02	0.355
7/25/2019	4:27	17.04	0.295
7/25/2019	4:28	17.06	0.242
7/25/2019	4:29	17.07	0.213
7/25/2019	4:30	17.07	0.133
7/25/2019	4:31	17.07	0.082
7/25/2019	4:32	17.08	0.091
7/25/2019	4:33	17.07	0.087
7/25/2019	4:34	17.07	0.138
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7/25/2019	4:36	17.03	0.137
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7/25/2019	4:40	17.05	0.151
7/25/2019	4:41	17.09	0.167
7/25/2019	4:42	17.12	0.172
7/25/2019	4:43	17.15	0.155
7/25/2019	4:44	17.18	0.156
7/25/2019	4:45	17.19	0.107
7/25/2019	4:46	17.2	0.06
7/25/2019	4:47	17.2	0.063
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258.8	144.4847842	17.03
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0.127	184.4	135.6986053	17.23	0.113	158	147.0339187
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0.471	262.5	142.8067836	17.22	0.5	255.7	146.3962542
0.379	255.9	146.2584353	17.21	0.392	247.8	153.5893653
0.227	258.7	144.539086	17.21	0.278	251.8	149.5052253
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0.345	273.1	141.3790081	17.16	0.436	278.1	142.397648
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0.309	263.1	142.5941034	17.22	0.342	264.5	142.1607573
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0.292	253	148.4611505	17.27	0.323	244.3	157.9982448
0.299	248.7	152.5859038	17.27	0.291	241.9	161.5271173
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7/25/2019	6:04	16.63	0.03
7/25/2019	6:05	16.62	0.071
7/25/2019	6:06	16.62	0.084
7/25/2019	6:07	16.62	0.092
7/25/2019	6:08	16.62	0.079
7/25/2019	6:09	16.62	0.097
7/25/2019	6:10	16.63	0.12
7/25/2019	6:11	16.63	0.133
7/25/2019	6:12	16.63	0.164
7/25/2019	6:13	16.64	0.158
7/25/2019	6:14	16.66	0.165
7/25/2019	6:15	16.67	0.176
7/25/2019	6:16	16.68	0.187
7/25/2019	6:17	16.69	0.162
7/25/2019	6:18	16.7	0.172
7/25/2019	6:19	16.72	0.207
7/25/2019	6:20	16.73	0.261
7/25/2019	6:21	16.74	0.238
7/25/2019	6:22	16.76	0.298
7/25/2019	6:23	16.79	0.25
7/25/2019	6:24	16.82	0.263
7/25/2019	6:25	16.86	0.179
7/25/2019	6:26	16.9	0.167
7/25/2019	6:27	16.95	0.152
7/25/2019	6:28	17.02	0.097
7/25/2019	6:29	17.1	0.098
7/25/2019	6:30	17.16	0.08
7/25/2019	6:31	17.21	0.048
7/25/2019	6:32	17.23	0.059
7/25/2019	6:33	17.26	0.057
7/25/2019	6:34	17.33	0.041
7/25/2019	6:35	17.39	0.042
7/25/2019	6:36	17.46	0.052
7/25/2019	6:37	17.54	0.088
7/25/2019	6:38	17.61	0.081
7/25/2019	6:39	17.68	0.052
7/25/2019	6:40	17.74	0.058
7/25/2019	6:41	17.8	0.057
7/25/2019	6:42	17.88	0.049
7/25/2019	6:43	17.98	0.024
7/25/2019	6:44	18.15	0.046
7/25/2019	6:45	18.33	0.079
7/25/2019	6:46	18.41	0.144
7/25/2019	6:47	18.47	0.125

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0.272	153.4	152.6988115	16.96	0.405	145.3	166.5789856
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0.063	264.8	142.0792607	17.68	0.05	257	145.5366244
0.06	262.5	142.8067836	17.78	0.084	242.3	160.9083592
0.1	311.5	186.0662962	17.88	0.114	290.8	150.2462872
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0.057	271.7	141.2885722	18.21	0.111	259.4	144.169036
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0.067	157.7	147.3618674	18.64	0.053	109.8	149.3256382
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0.224	120.7	162.802978	18.87	0.177	117.8	158.4157786
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16.83	0.483	104.7	145.4740121	145.9649517	No
16.89	0.475	99.3	142.8067836	141.4930359	No
16.88	0.451	95.7	141.7720144	142.6259252	No
16.89	0.431	91.8	141.2922309	141.544577	No
16.89	0.341	82.7	142.7340803	142.0664319	No
16.91	0.319	83.6	142.4292686	145.3488518	No
16.9	0.181	91.4	141.2801795	153.9173193	No
16.88	0.159	109.3	148.8864702	157.4236685	No
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16.92	0.279	106.7	146.8220309	167.5407936	No
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16.96	0.387	111	150.437296	161.1430817	No
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17.02	0.492	120.1	161.8412498	170.6084901	No
17.02	0.498	110.9	150.341502	155.1456176	No
17.04	0.504	106.6	146.7497779	150.1740266	No
17.05	0.516	108.7	148.3777321	159.2042272	No
17.03	0.514	116.6	156.7843776	161.7792884	No
17.02	0.535	129	179.5253688	178.6474101	Yes
17.05	0.553	134	193.4841124	175.9117945	Yes
17.1	0.56	138.4	183.7103804	172.8489837	No
17.06	0.699	148.4	160.5962459	161.3929846	No
17.02	0.735	153.5	152.5604335	155.6980017	No
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17.05	0.608	150.3	157.3589946	155.6468504	No
17.07	0.486	151.1	156.0853794	159.578459	No
17.09	0.413	155.9	149.4475739	157.6589292	No
17.13	0.39	167.3	139.3528135	138.5027404	No
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17.25	0.281	166.4	139.9016992	138.616267	No
17.33	0.197	173.3	136.6458601	138.5967044	No
17.42	0.085	185.1	135.8102214	156.2695295	No
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17.64	0.073	251.1	150.1516501	151.9068008	No
17.75	0.046	272.3	141.3169846	156.0706998	No
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18	0.071	271.7	141.2885722	149.4590946	No
18.13	0.081	274.4	141.5387984	180.0004157	Yes
18.24	0.104	287.8	147.6513318	175.7322183	Yes
18.34	0.111	286.4	146.6068237	160.8194809	No
18.42	0.091	262	142.996497	141.4372931	No
18.49	0.108	255.9	146.2584353	142.9956118	No
18.58	0.088	241.8	161.6837847	148.5973317	No
18.73	0.044	224.8	187.9748679	145.3728811	No
18.92	0.069	139.3	181.1257634	152.6554615	No
19.02	0.179	126.5	173.7482078	158.1938201	No
19.06	0.224	132.4	188.6290418	156.0941809	No
19.05	0.26	114.8	154.5246801	150.1413149	No

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7/25/2019	6:54	18.67	0.317
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7/25/2019	6:58	18.71	0.492
7/25/2019	6:59	18.75	0.355
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7/25/2019	7:01	18.81	0.388
7/25/2019	7:02	18.86	0.332
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7/25/2019	7:04	19.03	0.318
7/25/2019	7:05	19.13	0.288
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7/25/2019	7:07	19.35	0.312
7/25/2019	7:08	19.43	0.364
7/25/2019	7:09	19.51	0.293
7/25/2019	7:10	19.59	0.392
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7/25/2019	7:12	19.74	0.359
7/25/2019	7:13	19.79	0.477
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7/25/2019	7:26	20.35	0.473
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7/25/2019	7:38	21.68	0.265

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119.1	160.3021067	20.27
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126.2	173.1016948	20.63
98.7	142.5941034	20.67
105.6	146.0555256	20.78
95.8	141.7930115	20.91
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183.3515534	18.95
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187.7618297	18.93
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192.8553266	18.98
188.3385084	19.02
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149.3256382	19.62
154.6445213	19.7
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164.3012465	20.13
153.8193224	20.14
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155.627126	20.26
144.8178344	20.32
142.397648	20.43
141.9045775	20.54
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0.334	104.5	145.3502763	18.9	0.339	105.8	146.1902907
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0.578	119.1	160.3021067	18.73	0.535	122.5	165.8686538
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0.637	129.8	181.5304128	18.7	0.687	132	187.4756675
0.738	137.7	185.8042924	18.72	0.758	133.1	190.7045403
0.65	134.4	194.7612235	18.74	0.691	129.8	181.5304128
0.613	136.2	190.5537426	18.8	0.629	133	190.403504
0.582	131.5	186.0662962	18.87	0.568	127.5	175.9737479
0.58	130.9	184.4211537	18.96	0.609	129	179.5253688
0.558	128.7	178.7937782	19.06	0.596	127.3	175.5198021
0.477	114.9	154.6445213	19.18	0.443	115.2	155.008001
0.615	112.9	152.3697801	19.28	0.543	112.2	151.6326395
0.665	117.2	157.5872152	19.38	0.604	117.4	157.8605159
0.57	115.3	155.1304872	19.47	0.451	121.8	164.6434892
0.709	117.8	158.4157786	19.56	0.559	120.8	162.9661204
0.699	123	166.7703272	19.64	0.616	126	172.6759748
0.695	131.3	185.5124012	19.7	0.66	132.2	188.0494405
0.828	138.7	182.8356637	19.71	0.742	137.7	185.8042924
0.822	135.8	191.884056	19.71	0.864	136.3	190.2254851
0.913	134	193.4841124	19.73	0.865	134.4	194.7612235
0.931	129	179.5253688	19.75	0.932	128.7	178.7937782
0.933	128.9	179.2802945	19.76	0.822	129	179.5253688
0.922	125.9	172.4646859	19.79	0.868	127.9	176.8952147
0.936	119.3	160.6036824	19.82	0.851	118.2	158.9827372
1.032	112.2	151.6326395	19.85	0.907	112.4	151.8402112
1.029	113.2	152.6948941	19.91	0.991	112.4	151.8402112
1.122	116	156.0067	19.91	1.098	113.6	153.1370917
0.966	110.6	150.0575889	19.95	0.901	112	151.4274771
1.091	120.7	162.802978	19.98	1.128	120.8	162.9661204
0.931	106.1	146.3962542	20.06	0.804	105.2	145.7920604
0.881	100.9	143.4541915	20.17	0.761	101.5	143.7274589
0.982	99.4	142.843816	20.28	0.918	96.2	141.8813857
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0.829	113	152.4775331	20.57	0.804	110.1	149.595865
0.882	110.5	149.9641021	20.68	0.826	107.1	147.1162438
0.99	117.5	157.9982448	20.73	0.998	115.3	155.1304872
0.918	117.2	157.5872152	20.77	0.928	115.6	155.5019575
0.596	109	148.6296284	20.89	0.575	105.3	145.8571712
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19.04	0.374	98.2	142.4292686	141.3186623	No
19.01	0.384	96.5	141.9522815	141.8679498	No
18.97	0.446	111.3	150.728171	145.7349062	No
18.92	0.554	117.4	157.8605159	154.8540709	No
18.82	0.712	122	164.9891752	160.273939	No
18.76	0.621	124.1	168.8346381	165.1170775	No
18.74	0.602	124.9	170.4081994	176.8835758	Yes
18.72	0.774	128.1	177.3628294	179.7303439	Yes
18.69	0.756	133.3	191.3112307	186.8537982	Yes
18.69	0.773	134.7	195.6900033	187.5633158	Yes
18.71	0.699	133.4	191.6169031	184.0603279	Yes
18.73	0.774	135.7	192.2210107	188.5654658	Yes
18.77	0.722	134	193.4841124	186.5093221	Yes
18.82	0.699	137	187.9748679	188.7725277	Yes
18.9	0.65	132.9	190.1039947	178.1685581	Yes
19	0.678	130.8	184.1517432	180.4078272	Yes
19.09	0.632	132.7	189.5095215	180.1090022	Yes
19.21	0.5	114.8	154.5246801	160.298299	No
19.31	0.642	117.5	157.9982448	151.4784904	No
19.41	0.68	122	164.9891752	160.3790001	No
19.52	0.524	120.5	162.4791534	158.789805	No
19.6	0.729	125.5	171.6298847	158.733304	No
19.66	0.772	129.9	181.7867003	169.9620065	No
19.71	0.822	137.6	186.1096044	182.5705437	Yes
19.71	0.935	144.3	168.7126952	180.0795967	Yes
19.72	1.007	140.5	177.8577632	182.487921	Yes
19.73	1.059	137.3	187.035022	187.9093291	Yes
19.73	1.096	132.4	188.6290418	174.1364477	No
19.74	1.021	132.5	188.9210494	175.7095502	Yes
19.77	1.033	130.2	182.5632711	177.1606506	Yes
19.81	1.122	123.7	168.0709172	157.4495426	No
19.85	1.056	118.1	158.8398912	150.948872	No
19.92	1.154	117.2	157.5872152	155.6191634	No
19.92	1.342	119.9	161.5271173	153.9919237	No
19.97	1.089	117.6	158.1366964	153.5852712	No
20.01	1.253	122	164.9891752	163.6244798	No
20.09	1.015	112.3	151.7361232	144.9000631	No
20.22	0.987	107.7	147.5733027	143.908706	No
20.33	1.183	101.7	143.8222881	142.1056977	No
20.38	1.308	104.7	145.4740121	143.8724131	No
20.42	1.075	109.4	148.9731899	149.0136953	No
20.52	0.934	112	151.4274771	147.1663503	No
20.62	0.94	111.1	150.5336711	151.004229	No
20.73	1.01	112.9	152.3697801	148.7424439	No
20.78	1.126	118.7	159.7081601	157.3142566	No
20.81	1.08	119.8	161.3712442	159.6420365	No
20.94	0.735	109.6	149.1482972	148.6072297	No
21.11	0.781	98.9	142.6631883	142.0722054	No
21.27	0.709	93.1	141.3790081	141.7041537	No
21.45	0.623	104.1	145.1087319	142.9550944	No

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7/25/2019	7:42	22.12	0.284
7/25/2019	7:43	22.29	0.361
7/25/2019	7:44	22.4	0.366
7/25/2019	7:45	22.55	0.312
7/25/2019	7:46	22.62	0.34
7/25/2019	7:47	22.64	0.273
7/25/2019	7:48	22.71	0.307
7/25/2019	7:49	22.84	0.192
7/25/2019	7:50	22.97	0.303
7/25/2019	7:51	23.06	0.42
7/25/2019	7:52	23.03	0.373
7/25/2019	7:53	23.07	0.315
7/25/2019	7:54	23.14	0.358
7/25/2019	7:55	23.2	0.345
7/25/2019	7:56	23.15	0.422
7/25/2019	7:57	23.11	0.414
7/25/2019	7:58	23.1	0.412
7/25/2019	7:59	23.23	0.327
7/25/2019	8:00	23.37	0.279
7/25/2019	8:01	23.45	0.371
7/25/2019	8:02	23.48	0.497
7/25/2019	8:03	23.54	0.507
7/25/2019	8:04	23.52	0.633
7/25/2019	8:05	23.41	0.537
7/25/2019	8:06	23.35	0.51
7/25/2019	8:07	23.34	0.362
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7/25/2019	8:10	23.5	0.628
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7/25/2019	8:15	23.8	0.281
7/25/2019	8:16	24.01	0.246
7/25/2019	8:17	24.24	0.389
7/25/2019	8:18	24.42	0.323
7/25/2019	8:19	24.66	0.14
7/25/2019	8:20	24.84	0.255
7/25/2019	8:21	24.88	0.233
7/25/2019	8:22	24.95	0.318
7/25/2019	8:23	25.07	0.314
7/25/2019	8:24	25.19	0.418
7/25/2019	8:25	25.01	0.54
7/25/2019	8:26	24.79	0.348
7/25/2019	8:27	24.67	0.288
7/25/2019	8:28	24.68	0.251
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115.4	155.2536405	23.88
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131	184.6919171	23.94
127.6	176.202409	24
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91.6	141.2853442	24.32
114.5	154.1690811	24.43
126	172.6759748	24.55
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144.7	167.8465446	24.6
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152.2	154.4161117	24.52
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158.1	146.9258206	24.56
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166.8	139.6529623	26.04
189.6	137.0220917	26.46
172.1	137.0589052	26.78
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0.446	99.3	142.8067836	21.75	0.439	97.2	142.1331484
0.568	86.9	141.6197787	21.92	0.469	84.5	142.1607573
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0.512	128.4	178.0729882	22.11	0.55	122	164.9891752
0.542	117.2	157.5872152	22.14	0.58	111.6	151.0243214
0.513	109.6	149.1482972	22.19	0.556	106.6	146.7497779
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0.454	116.9	157.1826166	22.54	0.447	118.8	159.8555038
0.684	131.2	185.2375331	22.57	0.699	122.9	166.5881931
0.587	129.7	181.2753983	22.55	0.657	129.9	181.7867003
0.504	125.7	172.0452245	22.59	0.538	119.5	160.9083592
0.583	148.6	160.24088	22.61	0.771	139.1	181.6899539
0.545	130.2	182.5632711	22.61	0.689	122.2	165.3383346
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0.618	141.9	174.2857928	22.69	0.63	135.3	193.5866754
0.448	88.6	141.3887034	22.82	0.454	85	142.0271438
0.409	119.6	161.0618684	22.96	0.42	117.6	158.1366964
0.555	127.7	176.4322033	23.08	0.606	119.9	161.5271173
0.686	149.9	158.0152438	23.07	0.745	140.9	176.811543
0.727	147.6	162.0534901	23.04	0.728	146.4	164.3504379
0.842	145.5	166.1647422	23.03	0.843	137.4	186.7249594
0.831	143.1	171.416365	22.91	0.946	131.8	186.9076557
0.782	144.9	167.4198452	22.83	0.843	131.5	186.0662962
0.597	154.6	151.0848301	22.86	0.783	149.7	158.3483275
0.608	138.5	183.4173207	22.91	0.788	128.1	177.3628294
0.59	148.2	160.955157	22.97	0.731	137.4	186.7249594
0.807	150.3	157.3589946	22.99	0.898	138.1	184.5985921
0.82	138.2	184.3010071	22.98	0.797	128.8	179.0364331
0.685	167.3	139.3528135	23.01	0.944	151	156.2417902
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0.67	156.2	149.0856146	23.16	0.712	145.3	166.5789856
0.492	163.4	142.0185516	23.32	0.579	153.7	152.2858181
0.381	136.7	188.9294126	23.51	0.452	140.6	177.5942369
0.542	171.6	137.249547	23.75	0.511	169.9	137.9805921
0.456	169.2	138.3193881	23.9	0.444	149.8	158.1813694
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0.353	181.1	135.4463252	24.44	0.407	178.4	135.5745369
0.355	202	145.1792559	24.53	0.406	192.9	138.471433
0.49	197.8	141.5589225	24.53	0.567	193.9	139.008273
0.555	189.9	137.1338452	24.49	0.729	180.9	135.4455
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0.638	213	159.8890273	24.18	0.864	213.3	160.4181218
0.469	223.6	184.3010071	23.98	0.677	214	161.6837458
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22.02	0.704	94.1	141.4954247	142.0308148	No
22.12	0.599	90.8	141.2750152	141.8101445	No
22.2	0.666	129.5	180.7691609	175.2763134	Yes
22.24	0.67	115	154.7650203	155.3630981	No
22.29	0.658	117.6	158.1366964	149.544637	No
22.33	0.624	129.7	181.2753983	164.2395582	No
22.45	0.528	123.9	168.4508857	164.5307728	No
22.58	0.554	124.6	169.810806	154.8520012	No
22.59	0.801	131.5	186.0662962	172.8216022	No
22.58	0.684	133.2	191.0071128	181.1623076	Yes
22.66	0.546	128.1	177.3628294	167.4021253	No
22.69	0.736	142.7	172.3538995	165.9898124	No
22.67	0.776	128.9	179.2802945	173.3372886	No
22.67	0.786	123.8	168.2604307	162.8794673	No
22.72	0.622	114.5	154.1690811	152.0116837	No
22.76	0.801	129.4	180.5179243	183.1144367	Yes
22.83	0.657	93	141.3697448	141.4953427	No
22.97	0.538	123.6	167.8823409	156.4343565	No
23.07	0.752	128	177.1284437	167.0556276	No
23.05	0.818	149.2	159.1957351	170.1455178	No
23.02	0.767	153.3	152.8379067	164.5229585	No
23.02	1.027	143.1	171.416365	175.5792641	Yes
22.89	1.087	140.2	178.6563324	178.1990887	Yes
22.84	1.012	139.4	180.8458047	177.5538655	Yes
22.88	0.891	154.9	150.6969261	154.3842422	No
22.91	0.936	133	190.403504	180.6267965	Yes
22.99	0.822	144.2	168.9319213	166.7992857	No
22.96	1.064	146.4	164.3504379	169.1259139	No
22.99	1.029	140	179.1954466	181.5946501	Yes
23	0.959	158.7	146.2898835	144.4670846	No
23.08	0.895	126.1	172.8883094	156.2021139	No
23.18	0.828	155.2	150.3151193	158.4751182	No
23.34	0.63	160.4	144.6028841	146.4529083	No
23.52	0.602	142.6	172.5912057	177.9660648	Yes
23.79	0.675	185.8	135.9423289	137.6144096	No
23.93	0.503	167.8	139.0645196	146.8423045	No
24.3	0.206	195	139.6529623	151.7738945	No
24.57	0.452	191.5	137.796957	136.6507002	No
24.79	0.436	203.8	147.0339187	141.4437432	No
24.79	0.736	202.1	145.2773166	139.4751503	No
24.74	0.837	194.5	139.3528135	136.647084	No
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24.37	0.942	217	167.6326681	162.4503723	No
24.13	0.749	218.5	170.9545255	178.8393762	Yes
24.11	0.525	219.7	173.7955882	179.0101458	Yes
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7/25/2019	8:50	26.02	0.4
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7/25/2019	8:58	26.21	0.475
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7/25/2019	9:03	26.18	0.483
7/25/2019	9:04	26.28	0.448
7/25/2019	9:05	26.35	0.562
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7/25/2019	9:15	26.56	0.378
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0.65	173.1	136.7103661	25.2	0.863	172.8	136.810367
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0.907	171.2	137.4099861	24.98	0.995	160.6	144.4152874
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24.2	0.896	199.4	142.8262379	136.6440114	No
24.28	0.766	194.8	139.5314724	141.8971125	No
24.47	0.967	187.1	136.2423866	135.7072767	No
24.66	0.626	175.7	136.0052434	137.8856031	No
24.84	0.649	155.3	150.1891937	168.50879	No
24.87	0.583	152.9	153.4015168	180.140169	Yes
24.98	0.52	206.6	150.3151193	141.3658482	No
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24.97	0.799	234.4	175.7462142	185.2944476	Yes
24.85	0.387	255.4	146.6068237	145.1622888	No
24.89	0.418	228.1	192.5433417	175.9256632	Yes
24.83	0.786	218	169.8197457	179.8862978	Yes
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24.65	0.789	215.7	164.946271	165.8663614	No
24.74	0.648	205.7	149.2056183	138.6488847	No
24.85	0.528	191.5	137.796957	136.0910608	No
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25.31	0.885	175.3	136.0950271	136.2666045	No
25.27	0.854	172.8	136.810367	142.3519488	No
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25.1	1.317	170.3	137.796957	139.2163526	No
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25.13	1.206	173.3	136.6458601	141.0669766	No
25.23	1.168	179.7	135.475212	135.9297698	No
25.22	1.335	172	137.0961561	140.9710908	No
25.26	1.394	189	136.810367	136.5924953	No
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25.16	1.183	150.5	157.0357721	183.3421503	Yes
25.05	0.984	153.1	153.1182603	168.0324989	No
25.19	0.926	175.3	136.0950271	139.0092566	No
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7/25/2019	9:42	27.34	0.546
7/25/2019	9:43	27.36	0.426
7/25/2019	9:44	27.46	0.186
7/25/2019	9:45	27.54	0.533
7/25/2019	9:46	27.48	0.854
7/25/2019	9:47	27.56	0.643
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7/25/2019	9:49	27.69	0.406
7/25/2019	9:50	27.8	0.638
7/25/2019	9:51	27.88	0.405
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7/25/2019	9:54	27.34	0.785
7/25/2019	9:55	27.28	0.696
7/25/2019	9:56	27.13	0.593
7/25/2019	9:57	27.07	0.678
7/25/2019	9:58	27.1	0.693
7/25/2019	9:59	27.07	0.662
7/25/2019	10:00	27.07	0.74
7/25/2019	10:01	26.93	0.593
7/25/2019	10:02	26.96	0.517
7/25/2019	10:03	26.98	0.872
7/25/2019	10:04	27.02	0.851
7/25/2019	10:05	27.01	0.706
7/25/2019	10:06	27.11	0.968
7/25/2019	10:07	27.29	0.567
7/25/2019	10:08	27.54	0.518
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7/25/2019	10:10	27.48	0.721
7/25/2019	10:11	27.55	0.848

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223.9	185.1983516	27.35
223.4	183.7103804	27.38
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1.233	194.2

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0.832	163.4	142.0185516	25.87	0.922	156.4	148.8475437
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0.746	199.4	142.8262379	25.74	0.913	196	140.2893212
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0.788	196.6	140.6945686	25.78	0.869	184.3	135.6843278
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1.026	228.3	191.9241395	25.9	1.164	224.5	187.035022
1.004	207.8	151.8792052	25.95	1.128	198.2	141.8632814
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1.218	210.7	156.0853794	26.44	1.603	202.4	145.5749597
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26.44	0.712	168	138.952495	136.9000729	No
26.43	0.896	163.5	141.9406579	145.2847494	No
26.18	0.978	145.6	165.9591491	162.5953871	No
26.07	0.843	142.4	173.0693692	183.7754889	Yes
26.19	0.611	158.3	146.7114396	157.7452875	No
26.31	1.081	177.6	135.6704665	135.8096089	No
26.31	1.178	171.4	137.328883	139.8639112	No
26.25	1.094	165.1	140.7638403	142.096598	No
26.22	0.696	147.6	162.0534901	154.4598334	No
26.43	0.639	168.8	138.5230334	137.0704889	No
26.42	0.887	143.2	171.184873	180.5386577	Yes
26.34	0.942	157.5	147.5835656	163.7795612	No
26.22	1.036	159.1	145.8778326	152.1418437	No
26.06	1.757	167.5	139.23608	146.6198202	No
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25.83	1.439	161.8	143.3363204	149.6255899	No
25.88	1.401	189.9	137.1338452	137.1310909	No
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26.32	0.771	190.8	137.4928614	142.5027202	No
26.53	0.363	134.5	195.0846305	142.5202518	No
26.69	0.975	224.5	187.035022	185.6861579	Yes
26.47	1.629	201.4	144.6028841	147.7866264	No
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26.37	1.678	229.2	189.2145397	180.6523982	Yes
26.12	1.557	214.5	162.6150149	155.0087016	No
25.95	1.438	223	182.5470487	160.4942649	No
25.88	1.339	231.7	182.3031224	187.5289477	Yes
25.92	1.307	206.2	149.8154124	147.3609079	No
25.94	1.487	146.3	164.548069	189.0961459	Yes
25.98	1.192	166.5	139.8387928	140.9870961	No
26.04	1.612	228	192.8553266	188.18349	Yes
25.93	1.142	228.9	190.1039947	183.8920003	Yes
26.05	1.252	220.4	175.5328989	180.4242878	Yes
25.99	1.929	209.3	153.9768314	149.5687324	No
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25.98	1.654	214.3	162.2397397	162.7290882	No
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192	138.0276292	28.83
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193.6	138.8423412	29.08
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155.3150699	28.31

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0.786	183.9	135.6313781	26.61	1.018	175.7	136.0052434
1.09	174	136.4336422	26.76	1.307	169.5	138.1714606
0.947	198.9	142.4158267	26.78	1.142	197.4	141.262737
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1.109	191.9	137.9805921	26.92	1.364	185.6	135.9024875
1.08	192.6	138.3193881	26.94	1.149	188.3	136.5830783
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0.863	155.9	149.4475739	27.28	0.827	151.2	155.9297559
0.913	165.3	140.6257933	27.42	0.854	166.6	139.7763685
1.309	172.7	136.8445673	27.47	1.616	165.1	140.7638403
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1.448	202.8	145.9799608	27.29	1.653	190.8	137.4928614
1.235	194.1	139.1212357	27.12	1.596	186.2	136.0270567
1.203	214.4	162.4269132	27	1.439	205.9	149.4475739
0.937	223	182.5470487	26.89	1.047	218	169.8197457
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26.62	1.605	187.1	136.2423866	135.4972653	No
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26.87	1.593	178.5	135.564413	137.9250769	No
26.85	1.321	202.5	145.6753339	141.7861439	No
26.9	1.098	183.4	135.5745369	136.5024804	No
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26.93	1.145	189.3	136.9142707	137.893507	No
26.83	1.418	213.6	160.955157	152.9354335	No
26.71	1.368	192.2	138.1230627	138.6955032	No
26.84	0.955	196.4	140.557513	136.9124374	No
26.97	1.48	193.2	138.6276173	136.4203145	No
26.95	1.4	197.7	141.484113	137.3802629	No
26.99	1.639	155.5	149.9393426	150.8202169	No
26.81	1.58	138.9	182.2598979	183.009668	Yes
26.7	1.41	137.2	187.3466876	184.693041	Yes
26.88	1.206	183.9	135.6313781	135.6996721	No
27.05	0.82	183	135.5365272	136.6122265	No
27.24	0.815	184.4	135.6986053	136.0941376	No
27.29	1.064	155.6	149.8154124	152.1850921	No
27.38	1.188	165.7	140.355632	138.5687296	No
27.36	1.813	173.7	136.5220169	138.6355684	No
27.39	1.215	185.4	135.8643244	136.4781158	No
27.45	1.401	186.8	136.1668004	136.8203574	No
27.37	1.437	186	135.9838512	137.1296982	No
27.22	1.98	201	144.2299319	141.7963409	No
27.02	1.787	194.3	139.23608	137.415903	No
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26.77	1.167	222.2	180.290119	175.9974055	Yes
26.97	0.456	195.9	140.2234999	149.0397725	No
27.24	0.684	159.5	145.4751667	160.5297107	No
27.33	1.556	193.1	138.5750946	139.9288272	No
27.18	2.16	167.6	139.1784222	144.3712359	No
26.97	1.79	152.7	153.6876994	166.2669859	No
26.92	1.619	157.7	147.3618674	155.6607932	No
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26.89	1.115	210.3	155.4675767	168.4175681	No
26.95	1.391	207.5	151.4788997	149.0073363	No
26.92	1.212	164.2	141.4098131	140.9114696	No
27.24	0.373	167.3	139.3528135	140.9151881	No
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28.03	0.964	181.2	135.4473567	137.1552711	No
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27.93	1.375	172.1	137.0589052	137.6788184	No
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28.25	0.589	163.2	142.1758963	141.1518587	No
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7/25/2019	11:11	28.17	0.644
7/25/2019	11:12	28.08	0.328
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7/25/2019	11:21	28.21	0.954
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166.3	139.9650888	29.56
164.3	141.3360215	29.44
156.4	148.8475437	29.46
139.4	180.8458047	29.47
157.9	147.1426245	29.49
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191	137.577514	29.76
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1.349	137.2	187.3466876	27.62	1.632	128.1	177.3628294
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1.205	135.9	191.5488631	26.91	1.517	127.8	176.6631365
1.564	141.4	175.5328989	26.74	1.905	138.7	182.8356637
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1.445	216.7	166.9973396	27.07	1.643	208.1	152.2858181
1.12	208.1	152.2858181	27.28	1.423	197.4	141.262737
0.934	158.3	146.7114396	27.59	1.063	152.1	154.5640391
1.289	146	165.1468514	27.92	1.539	141.6	175.0303206
0.899	167	139.5314724	28.13	1.022	158.8	146.1859844
1.266	124.6	169.810806	28.15	1.548	120.4	162.3184643
1.343	144.1	169.1522337	28.04	1.648	136.4	189.898934
1.18	157.5	147.5835656	28.13	1.445	149.2	159.1957351
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1.639	147	163.184934	28.05	1.952	139.6	180.290119
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1.03	160.3	144.6975271	27.93	1.471	155	150.5689831
0.846	154.8	150.8255466	27.7	1.045	147.9	161.5002424
0.667	151.9	154.8621634	27.7	0.762	141.7	174.7809062
0.92	142.1	173.7955882	27.78	1.036	139.9	179.4670474
1.355	159.9	145.0817692	27.91	1.619	156.6	148.6120398
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1.472	171	137.4928614	28.17	1.696	163.8	141.7100752
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1.245	186.3	136.0492916	27.43	1.438	181.9	135.4661321
1.152	211.4	157.1969778	27.17	1.362	203.9	147.1426245
1.085	223.3	183.4173207	27.01	1.322	213.8	161.3176459
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27.18	1.246	199.2	142.6604859	142.5085628	No
27.21	1.082	176.3	135.8831963	136.5710207	No
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27.11	1.841	180.2	135.4556091	136.082359	No
27.14	1.405	178.5	135.564413	135.9739283	No
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27.2	1.146	207.7	151.7450728	157.3771544	No
27.26	1.734	175.8	135.9838512	137.4135187	No
27.47	1.709	180.4	135.4506575	136.1403214	No
27.58	1.893	189.7	137.0589052	135.7009994	No
27.76	1.725	181.6	135.4556091	136.2976577	No
27.87	2.507	186	135.9838512	135.6801322	No
27.56	2.253	144.9	167.4198452	184.3137608	Yes
27.36	1.889	139.4	180.8458047	180.0694063	Yes
27.15	2.121	129.1	179.7716623	178.1207181	Yes
26.84	1.216	118.8	159.8555038	151.4547016	No
26.75	1.778	134.5	195.0846305	188.0745954	Yes
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27.19	1.517	200	143.3363204	149.2272951	No
27.51	1.232	153.3	152.8379067	151.9562633	No
27.8	1.678	149.6	158.5161218	164.5640066	No
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27.71	2.254	151	156.2417902	170.2558597	No
27.48	2.093	161.4	143.6871825	150.8687222	No
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27.85	1.137	145.1	166.9973396	185.582608	Yes
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27.76	1.952	169.1	138.3696112	139.9617231	No
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27.28	1.051	218.4	170.7253164	173.8327634	No
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7/25/2019	13:19	28.03	0.623
7/25/2019	13:20	28.14	0.682
7/25/2019	13:21	28.18	0.532
7/25/2019	13:22	28.21	0.561
7/25/2019	13:23	28.25	0.811
7/25/2019	13:24	28.18	0.975
7/25/2019	13:25	28.08	0.68
7/25/2019	13:26	28.14	0.661
7/25/2019	13:27	28.16	0.492
7/25/2019	13:28	28.04	0.453
7/25/2019	13:29	28.02	0.27
7/25/2019	13:30	28.14	0.927
7/25/2019	13:31	28.24	0.919
7/25/2019	13:32	28.23	0.827
7/25/2019	13:33	28.05	0.795
7/25/2019	13:34	27.81	0.485
7/25/2019	13:35	27.8	0.209

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238.3	167.6946976	29.64
192.7	138.3696112	29.54
175	136.1668004	29.65
174.8	136.2167669	29.81
171.5	137.2889944	29.91
164.3	141.3360215	29.61
176.5	135.8458714	29.36
164.6	141.1176841	29.44
146.2	164.7466785	29.33
131.6	186.3453391	29.1
82.1	142.9576428	28.74
96	141.8363207	28.49
139.6	180.290119	28.42
150	157.8499471	28.38
140.8	177.0711342	28.26
148.8	159.8890273	28.04
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154.4	151.3468538	27.71
143.9	169.5961403	27.68
144.6	168.0614801	27.75
152.1	154.5640391	27.92
186.6	136.1185285	28.13
188.3	136.5830783	28.35
133	190.403504	28.53
124.2	169.0279442	28.74
156.1	149.2056183	28.83
123.6	167.8823409	28.66
153.5	152.5604335	28.46
158	147.0339187	28.31
182.4	135.4919297	28.31
202	145.1792559	28.39
185.3	135.8458714	28.54
172.2	137.0220917	28.71
138.3	184.0049395	28.83
149.3	159.0245589	28.89
190.5	137.3692134	28.91
197.4	141.262737	28.72
208.8	153.2595242	28.54
175.7	136.0052434	28.64
160.8	144.2299319	28.76
100.2	143.1564895	28.7
137.9	185.1983516	28.67
126.6	173.9658487	28.81
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127.8	176.6631365	28.75
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101.4	143.6807474	28.22

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0.995	142
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0.19	105.9

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0.883	228.5	191.3112307	28.27	1.059	221.6	178.6563324
0.798	184	135.6439919	28.31	1.02	184.1	135.6570213
1.174	172.2	137.0220917	28.44	1.437	168.6	138.6276173
1.251	168.9	138.471433	28.49	1.582	158.3	146.7114396
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1.56	156	149.3262707	28.04	1.957	149.9	158.0152438
1.008	163.4	142.0185516	27.75	1.321	154.5	151.2154981
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1.266	144.7	167.8465446	27.78	1.326	139.7	180.0143756
0.889	136.1	190.8837175	27.72	1.096	134	193.4841124
0.988	85.2	141.9767943	27.57	1.08	84	142.3054699
0.542	102.9	144.4309631	27.5	0.599	94.8	141.6027124
0.657	139.7	180.0143756	27.54	0.774	138.2	184.3010071
1.225	146.6	163.9580918	27.47	1.439	135.6	192.5597384
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1.492	140.5	177.8577632	27.15	1.69	131	184.6919171
1.485	139.6	180.290119	27.05	1.925	132.8	189.8060036
1.867	148	161.3176459	26.96	2.074	142.4	173.0693692
1.643	142.1	173.7955882	26.96	1.988	134.7	195.6900033
1.612	145.2	166.7876462	27.11	1.833	138.3	184.0049395
1.346	150.4	157.1969778	27.23	1.546	143.7	170.0444603
1.057	185.5	135.8831963	27.39	1.168	179.9	135.4661321
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0.642	129.8	181.5304128	27.71	0.768	122.2	165.3383346
0.757	127	174.8472386	27.92	0.786	133.3	191.3112307
1.064	147.9	161.5002424	28.02	1.228	140.9	176.811543
1.303	122.7	166.2266321	27.82	1.552	119.8	161.3712442
1.366	154.4	151.3468538	27.62	1.595	149.4	158.8542338
1.24	153.1	153.1182603	27.44	1.536	145.1	166.9973396
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0.757	196.1	140.355632	27.58	0.698	175.7	136.0052434
0.946	183.4	135.5745369	27.76	1.131	174.6	136.2684311
1.093	163.6	141.8632814	27.84	1.239	152.9	153.4015168
0.758	138.6	183.1257514	27.9	0.923	138.4	183.7103804
0.766	150.5	157.0357721	28.02	0.826	147.7	161.8681603
1.22	193.5	138.7879636	28.01	1.466	179.1	135.5123672
1.6	197.3	141.1899582	27.72	1.999	188.5	136.6458601
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1.149	178.2	135.5960285	27.6	1.223	173.2	136.6778973
0.826	161.8	143.3363204	27.73	0.828	152.3	154.2689366
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1.316	126.7	174.1845669	27.94	1.668	121	163.294883
1.355	127.9	176.8952147	27.99	1.615	122.5	165.8686538
1.439	121.4	163.9624173	27.97	1.731	117.7	158.2758734
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28.66	1.739	189	136.810367	136.2476713	No
28.34	1.715	197.4	141.262737	139.7512761	No
28.33	1.081	234.8	174.8472386	182.1503369	Yes
28.18	1.1	226	191.884056	181.1743207	Yes
28.28	1.062	194.2	139.1784222	136.4472882	No
28.43	1.501	176.3	135.8831963	137.7344363	No
28.4	1.847	166.4	139.9016992	141.2057149	No
28.24	1.948	166.3	139.9650888	143.5786346	No
27.8	2.332	157.5	147.5835656	150.6273578	No
27.56	1.485	157.5	147.5835656	143.1040604	No
27.73	1.041	154.9	150.6969261	150.0509164	No
27.67	1.589	147.8	161.6837458	171.7850828	No
27.63	1.307	142.5	172.8296935	188.0300782	Yes
27.5	1.329	89.9	141.2963201	142.8218618	No
27.45	0.803	98.6	142.5602372	143.0226158	No
27.53	0.914	155	150.5689831	180.3542612	Yes
27.41	1.678	145.2	166.7876462	172.2251275	No
27.26	1.844	146.2	164.7466785	177.3712953	Yes
27.11	2.063	140.4	178.1226162	178.9203167	Yes
27.01	2.134	140.6	177.5942369	189.1993265	Yes
26.92	2.63	150.7	156.7157803	163.1828021	No
26.93	2.315	143.6	170.2702897	179.7054382	Yes
27.07	2.266	146.8	163.5696028	172.8019914	No
27.17	1.792	153.6	152.4227699	163.7187116	No
27.37	1.248	189.3	136.9142707	136.1316905	No
27.59	0.889	190.6	137.4099861	136.54964	No
27.76	0.807	130.4	183.0874794	177.0209156	Yes
28	0.889	135.2	193.9326112	174.7872077	No
28.06	1.38	149.3	159.0245589	164.7916028	No
27.79	1.73	127.8	176.6631365	163.9081728	No
27.58	1.92	157.6	147.4724086	152.9917849	No
27.37	1.74	150.9	156.3989918	155.8871276	No
27.43	0.984	166.9	139.5919783	138.7836578	No
27.6	0.837	182	135.4704656	143.0272786	No
27.82	1.324	179.2	135.5051412	135.7923027	No
27.86	1.338	164.9	140.9038772	147.7429115	No
27.9	1.055	141.1	176.2962446	181.656787	Yes
28.04	1.048	156.2	149.0856146	158.2352144	No
28.03	1.763	190	137.171973	137.0949776	No
27.75	2.316	195	139.6529623	139.212682	No
27.62	1.356	192.9	138.471433	143.1540313	No
27.72	1.483	182.4	135.4919297	136.0503419	No
27.82	1.026	161	144.0468045	147.8206907	No
27.76	0.816	109.1	148.7146909	144.1410945	No
27.89	0.558	132.6	189.2145397	181.4366474	Yes
28.03	1.807	128.3	177.8350956	168.6028548	No
28.01	1.751	129.4	180.5179243	176.1778325	Yes
27.94	1.876	124.6	169.810806	163.8886149	No
27.73	1.561	129.5	180.7691609	167.0823198	No
27.55	1.068	112.1	151.529758	146.0266781	No
27.64	0.287	85.3	141.9522815	143.1612233	No

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15.01

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7/25/2019	13:38	28.39	0.503
7/25/2019	13:39	28.55	0.746
7/25/2019	13:40	28.67	0.991
7/25/2019	13:41	28.79	1.045
7/25/2019	13:42	28.92	1.197
7/25/2019	13:43	28.99	0.963
7/25/2019	13:44	29.01	0.843
7/25/2019	13:45	29	1.1
7/25/2019	13:46	28.99	0.699
7/25/2019	13:47	28.97	0.577
7/25/2019	13:48	28.95	0.613
7/25/2019	13:49	28.85	0.638
7/25/2019	13:50	28.68	1.147
7/25/2019	13:51	28.48	0.807
7/25/2019	13:52	28.25	0.594
7/25/2019	13:53	28.02	0.628
7/25/2019	13:54	27.93	0.624
7/25/2019	13:55	28.09	0.407
7/25/2019	13:56	28.33	0.657
7/25/2019	13:57	28.55	0.736
7/25/2019	13:58	28.67	0.747
7/25/2019	13:59	28.51	0.99
7/25/2019	14:00	28.28	1.138
7/25/2019	14:01	28.08	0.794
7/25/2019	14:02	27.99	0.825
7/25/2019	14:03	27.86	0.771
7/25/2019	14:04	27.75	0.607
7/25/2019	14:05	27.74	0.595
7/25/2019	14:06	27.79	0.335
7/25/2019	14:07	27.86	0.317
7/25/2019	14:08	28.06	0.229
7/25/2019	14:09	28.29	0.607
7/25/2019	14:10	28.46	0.644
7/25/2019	14:11	28.44	0.507
7/25/2019	14:12	28.43	0.891
7/25/2019	14:13	28.13	0.981
7/25/2019	14:14	27.89	0.824
7/25/2019	14:15	27.82	0.843
7/25/2019	14:16	27.85	0.806
7/25/2019	14:17	27.93	0.619
7/25/2019	14:18	28.1	0.857
7/25/2019	14:19	28.26	0.942
7/25/2019	14:20	28.41	1.025
7/25/2019	14:21	28.38	1.124
7/25/2019	14:22	28.43	0.69
7/25/2019	14:23	28.68	0.658
7/25/2019	14:24	28.82	0.907
7/25/2019	14:25	28.86	0.852
7/25/2019	14:26	28.95	0.824

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180.2	135.4556091	29.5
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149.3	159.0245589	29.22
151.3	155.7749165	29.02
133.6	192.2329492	28.77
122.3	165.5142265	28.51
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188.8	136.743267	29.17
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134	193.4841124	28.56
110	149.5052253	28.39
111.5	150.9250156	28.24
103	144.4847842	28.1
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87.5	141.5239064	28.25
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158.2	146.8183282	28.28
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0.86	142.2
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1.421	169.9
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0.855	176.6
0.701	117.7
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0.852	115.7
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0.732	157.3
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1.447	133.9
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0.945	106.8
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0.227	86.7
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146.8948028	27.87
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154.5640391	28.8
148.4952449	28.91

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0.479	134.6	195.4097096	28.15	0.754	133.5	191.9241395
0.913	136	191.2154206	28.42	1.183	134.8	195.3347893
1.15	148.1	161.1359522	28.42	1.352	139.9	179.4670474
1.732	160.4	144.6028841	28.35	2.279	153.5	152.5604335
1.564	165.6	140.4224336	28.37	1.764	163.1	142.25535
1.876	176.6	135.8278372	28.44	2.54	167.9	139.008273
1.635	178.2	135.5960285	28.38	2.048	170.7	137.6205085
1.322	155.4	150.0639356	28.38	1.731	149.7	158.3483275
1.597	177.1	135.7439374	28.29	1.82	166.2	140.0289626
1.014	216	165.5509953	28.2	1.118	203.6	146.8183282
0.815	205.3	148.729472	28.25	0.907	200.6	143.8658923
1.144	180.1	135.458704	28.28	1.305	167.4	139.2942101
0.908	122.4	165.6909983	28.28	1.149	116.6	156.7843776
1.8	146.6	163.9580918	28.11	2.248	138.5	183.4173207
1.16	143.4	170.7253164	27.85	1.466	134.8	195.3347893
0.852	129.1	179.7716623	27.7	0.965	123.9	168.4508857
1.155	125.9	172.4646859	27.57	1.386	119.5	160.9083592
0.92	157.2	147.9207527	27.53	1.034	143.8	169.8197457
0.819	158.7	146.2898835	27.76	1.108	151.6	155.3150699
1.064	183.6	135.5960285	28.08	1.21	183.4	135.5745369
1.433	179.7	135.475212	28.22	1.704	170.5	137.7078372
1.351	139.8	179.7400211	28.31	1.578	135.4	193.2425592
1.598	131.9	187.1909456	28.16	1.956	125.3	171.2186266
1.729	143.4	170.7253164	27.86	2.12	135.2	193.9326112
1.24	129.5	180.7691609	27.66	1.614	123.4	167.507983
1.268	109.8	149.3256382	27.6	1.471	107.4	147.3423991
1.241	108.9	148.5451154	27.53	1.579	104.8	145.5366244
1.046	106.4	146.6068237	27.45	1.314	102.3	144.1180804
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0.556	103.1	144.539086	27.56	0.604	100.9	143.4541915
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0.865	153.4	152.6988115	28.48	0.952	143.9	169.5961403
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1.33	157.1	148.034394	28.34	1.677	144	169.3736382
1.614	120.7	162.802978	27.91	1.961	116.4	156.5223835
1.482	139.4	180.8458047	27.66	1.803	133.6	192.2329492
1.361	159.7	145.2773166	27.55	1.602	154.3	151.4788997
1.232	192.2	138.1230627	27.58	1.433	188.3	136.5830783
1.043	201.1	144.3223303	27.68	1.264	205.3	148.729472
1.499	210.8	156.2417902	27.8	1.848	202.6	145.7762909
1.565	185.5	135.8831963	27.93	1.836	178.9	135.52806
1.726	160.6	144.4152874	28.11	2.042	152.3	154.2689366
1.781	141.9	174.2857928	28.04	2.119	134.5	195.0846305
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1.189	158.4	146.6051528	28.37	1.455	151.1	156.0853794
1.319	144.5	168.2774801	28.48	1.632	137.1	187.6599662
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28.27	0.636	119.6	161.0618684	193.1244862	Yes
28.51	1.244	141.9	174.2857928	186.2278534	Yes
28.43	1.505	147.5	162.2397397	166.1810732	No
28.28	2.579	163.9	141.6342428	147.972052	No
28.24	2.247	168.8	138.5230334	141.5276923	No
28.29	2.781	175.4	136.0719483	137.4909028	No
28.27	2.306	177.6	135.6704665	136.7239336	No
28.27	1.821	159.6	145.3759529	153.8015582	No
28.15	2.057	174.4	136.3217962	137.478853	No
28.2	1.213	210.8	156.2417902	158.6474402	No
28.27	1.141	199.1	142.5784051	152.1948064	No
28.34	1.374	170.7	137.6205085	136.5090901	No
28.34	1.288	121.1	163.4605101	159.3184082	No
28.04	2.631	148.9	159.7144084	170.7383051	No
27.74	1.603	143.3	170.9545255	178.3629813	Yes
27.64	1.148	137.5	186.4164902	178.5509262	Yes
27.52	1.529	131.3	185.5124012	163.6285994	No
27.5	1.165	155.6	149.8154124	155.7807382	No
27.76	1.139	156.5	148.729472	148.5038933	No
28.09	1.532	192.5	138.2696225	135.9937193	No
28.21	1.978	174.1	136.4050401	136.347132	No
28.24	1.834	143.6	170.2702897	186.9280444	Yes
28.04	2.226	134.7	195.6900033	179.5410185	Yes
27.74	2.43	143.3	170.9545255	179.9237504	Yes
27.57	1.754	130.5	183.3515534	177.7946737	Yes
27.55	1.715	116.6	156.7843776	148.2670163	No
27.48	1.835	114.5	154.1690811	147.5892579	No
27.4	1.547	111.8	151.2247092	144.677065	No
27.44	1.048	106.9	146.9680947	142.1392398	No
27.59	0.698	111.6	151.0243214	144.5455801	No
27.77	0.38	152.6	153.8318952	146.8280423	No
28.16	0.345	237.6	169.0279442	145.1979581	No
28.46	0.985	182.5	135.4983288	146.8379068	No
28.6	1.081	152.5	153.9768314	163.2968617	No
28.45	0.879	121.2	163.6269725	169.2875378	No
28.38	1.902	153.4	152.6988115	155.5862359	No
27.88	2.182	121.6	164.3012465	160.9503029	No
27.63	2.072	144.3	168.7126952	187.9011052	Yes
27.5	1.837	164.6	141.1176841	148.1650398	No
27.58	1.608	196.2	140.4224336	137.7983117	No
27.7	1.401	207.9	152.0140384	144.7044537	No
27.81	1.988	207.4	151.3468538	154.0160803	No
27.93	2.171	189.1	136.8445673	136.001092	No
28.09	2.403	160.1	144.8885107	148.5312839	No
27.94	2.377	143	171.6490075	183.9808054	Yes
28.02	1.726	156.9	148.2635581	147.9491259	No
28.29	1.66	155.6	149.8154124	149.3109934	No
28.35	1.857	144.8	167.6326681	175.2030836	Yes
28.31	1.641	166.8	139.6529623	148.4552392	No
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7/25/2019	14:29	28.28	0.75
7/25/2019	14:30	28.38	0.643
7/25/2019	14:31	28.56	0.872
7/25/2019	14:32	28.6	1.218
7/25/2019	14:33	28.67	1.098
7/25/2019	14:34	28.62	0.993
7/25/2019	14:35	28.68	0.769
7/25/2019	14:36	28.82	0.847
7/25/2019	14:37	28.93	0.536
7/25/2019	14:38	29.11	0.644
7/25/2019	14:39	29.33	0.745
7/25/2019	14:40	29.49	1.052
7/25/2019	14:41	29.56	0.686
7/25/2019	14:42	29.48	0.785
7/25/2019	14:43	29.45	0.714
7/25/2019	14:44	29.51	0.983
7/25/2019	14:45	29.32	1.241
7/25/2019	14:46	29.15	1.068
7/25/2019	14:47	29.02	0.979
7/25/2019	14:48	28.93	1.038
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7/25/2019	14:50	28.85	0.942
7/25/2019	14:51	28.62	0.76
7/25/2019	14:52	28.46	0.468
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7/25/2019	15:07	28.41	0.787
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7/25/2019	15:10	28.97	0.638
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7/25/2019	15:13	29.19	0.787
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189.9	137.1338452	29.88
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129.3	180.2679334	29.22
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110.3	149.7788447	28.73
120.6	162.6406568	28.58
126.6	173.9658487	28.36
122.3	165.5142265	28.17
134.6	195.4097096	28.13
125.1	170.8114111	27.95
124.3	169.2222095	27.85
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136.8	188.6095808	27.98
147.4	162.4269132	27.99
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142.5	172.8296935	28.72
145.8	165.5509953	28.96
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134.5	195.0846305	29.65
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1.378	115.5	155.3774631	28.24	1.74	110.3	149.7788447
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1.091	115.8	155.7529709	28.01	1.403	109.5	149.0604651
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1.481	121.6	164.3012465	27.69	1.767	115.2	155.008001
1.468	124.9	170.4081994	27.57	1.845	118.2	158.9827372
1.786	129	179.5253688	27.57	2.21	124.6	169.810806
1.381	123.8	168.2604307	27.44	1.69	117.8	158.4157786
1.17	121.4	163.9624173	27.39	1.425	115.5	155.3774631
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1.129	145.4	166.3713526	27.46	1.47	136.9	188.2914027
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1.345	145.6	165.9591491	28.4	1.553	139.7	180.0143756
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1.392	143.3	170.9545255	28.39	1.908	134.5	195.0846305

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28.03	2.001	137.7	185.8042924	182.5060996	Yes
27.79	1.888	146.2	164.7466785	182.0448071	Yes
28.01	1.396	156.9	148.2635581	151.770217	No
28.19	1.946	158	147.0339187	153.7431895	No
28.14	2.332	154.9	150.6969261	160.5049499	No
28.14	2.27	162.4	142.8262379	145.7391678	No
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28.11	1.714	163.9	141.6342428	144.3839254	No
28.2	1.821	163.2	142.1758963	146.4897103	No
28.32	1.287	159.6	145.3759529	155.7312337	No
28.58	1.424	179.3	135.4983288	136.6987665	No
28.78	2.045	193.2	138.6276173	141.1117791	No
28.78	2.384	170.9	137.5349652	139.7874158	No
28.73	1.764	134.7	195.6900033	181.1727215	Yes
28.68	1.523	152.6	153.8318952	178.1080366	Yes
28.73	1.604	140.2	178.6563324	189.8830379	Yes
28.73	2.003	127.7	176.4322033	168.8575013	No
28.55	2.611	121.3	163.7942737	156.7096807	No
28.47	2.172	126.5	173.7482078	163.5505197	No
28.34	2.213	117.7	158.2758734	154.7780325	No
28.29	1.857	108.1	147.8886214	142.2927684	No
28.35	2.041	115.1	154.8861795	147.1105042	No
28.32	2.173	130.9	184.4211537	171.6643972	No
28.09	1.895	119.1	160.3021067	154.1618818	No
27.96	1.247	108.5	148.2125295	144.5708796	No
27.91	1.639	118.7	159.7081601	150.8481463	No
27.78	1.789	125.1	170.8114111	160.025989	No
27.59	2.058	123.8	168.2604307	163.1727092	No
27.5	2.138	127	174.8472386	165.1048474	No
27.5	2.572	132.8	189.8060036	177.7882118	Yes
27.39	1.96	127.6	176.202409	164.0110088	No
27.37	1.691	123.9	168.4508857	162.1043984	No
27.43	1.678	146	165.1468514	176.3223434	Yes
27.46	2.088	140.2	178.6563324	185.9970299	Yes
27.44	1.69	146.6	163.9580918	173.0299973	No
27.5	1.899	155.8	149.5695304	156.5191606	No
27.68	2.446	150.7	156.7157803	164.0443863	No
27.75	2.093	146.3	164.548069	175.5470701	Yes
27.93	1.924	145	167.2080708	182.070536	Yes
28.11	1.904	149.7	158.3483275	169.9666304	No
28.29	1.879	147.8	161.6837458	173.8990357	No
28.47	1.642	150	157.8499471	160.8249419	No
28.53	1.517	132.6	189.2145397	184.4160242	Yes
28.62	1.428	144.6	168.0614801	178.7677792	Yes
28.65	1.321	152.5	153.9768314	157.3991428	No
28.7	1.535	116.7	156.9164217	149.7186165	No
28.79	1.262	143	171.6490075	184.9013562	Yes
28.67	1.838	141.2	176.0405229	188.6503845	Yes
28.54	1.951	139.2	181.4071437	182.6320646	Yes
28.23	2.117	144.1	169.1522337	180.1526132	Yes

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1.073	132.5	188.9210494	27.62	1.484	124.1	168.8346381
1.248	138.1	184.5985921	27.68	1.509	127.2	175.2945059
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1.506	128.5	178.312062	27.32	1.805	122	164.9891752
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1.256	138.2	184.3010071	27.12	1.556	129	179.5253688
1.264	141.5	175.2809825	27.07	1.687	132.2	188.0494405
1.096	133.7	192.5433417	27.06	1.455	127.7	176.4322033
1.339	131.1	184.9640411	27.07	1.528	124.8	170.2080831
1.346	136.1	190.8837175	27.07	1.647	128.1	177.3628294
1.191	147.3	162.6150149	27.1	1.602	136.7	188.9294126
1.136	138	184.8977039	27.15	1.477	129	179.5253688
1.095	146.3	164.548069	27.21	1.32	135.1	194.2803784
1.081	141.6	175.0303206	27.3	1.395	134.1	193.8009328
1.31	140.6	177.5942369	27.36	1.734	130.2	182.5632711
0.902	146.3	164.548069	27.39	1.268	135.2	193.9326112
1.025	145.7	165.7545685	27.47	1.236	134.4	194.7612235
0.951	148.2	160.955157	27.59	1.282	133.4	191.6169031
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1.123	149.6	158.5161218	27.8	1.484	138.3	184.0049395
1.114	135.8	191.884056	27.88	1.355	128.9	179.2802945
1.136	144.3	168.7126952	27.96	1.478	134.2	194.1193848
1.262	148.7	160.0645165	27.99	1.559	138.9	182.2598979
1.469	142.3	173.3102392	28.03	1.761	134	193.4841124
1.424	142.9	171.8828066	28.05	1.817	135.5	192.9002508
1.323	153.9	152.0140384	28.18	1.644	149.8	158.1813694
1.342	145	167.2080708	28.33	1.725	136.7	188.9294126
1.355	129.5	180.7691609	28.35	1.588	119.2	160.4525084
1.252	130.6	183.6169505	28.34	1.655	121	163.294883
1.157	126.3	173.3161361	28.38	1.479	120.7	162.802978
1.152	140	179.1954466	28.59	1.691	129.6	181.0216499
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1.487	130.1	182.3031224	28.53	1.917	121.8	164.6434892
1.457	123.9	168.4508857	28.48	1.777	115.1	154.8861795

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27.9	2.087	130.6	183.6169505	173.8156644	No
27.75	2.025	142.2	173.55231	179.3697296	Yes
27.71	1.593	138.1	184.5985921	184.4108264	Yes
27.79	1.539	146.7	163.7633675	168.4036646	No
27.71	2.353	133.6	192.2329492	181.3188845	Yes
27.58	1.966	127.3	175.5198021	165.5060796	No
27.5	1.979	128	177.1284437	164.788456	No
27.51	1.665	132.9	190.1039947	177.2155578	Yes
27.58	1.658	134.5	195.0846305	179.6981954	Yes
27.63	1.744	137.9	185.1983516	183.1976493	Yes
27.66	1.447	143.5	170.4972397	169.2467376	No
27.69	1.379	126.5	173.7482078	155.436002	No
27.71	1.596	155	150.5689831	159.4026955	No
27.68	1.24	153.2	152.9777221	150.5085459	No
27.7	1.023	127.8	176.6631365	173.6574047	No
27.74	0.787	126.3	173.3161361	172.3885837	No
27.74	1.351	139.7	180.0143756	182.2791669	Yes
27.62	1.593	139.8	179.7400211	181.8653146	Yes
27.49	1.914	126.8	174.4043676	162.7266224	No
27.32	2.03	132.2	188.0494405	174.6437213	No
27.19	1.496	141.3	175.7860767	177.6815937	Yes
27.14	1.81	138.2	184.3010071	181.0069989	Yes
27.09	1.982	141.9	174.2857928	178.8938381	Yes
27.09	1.682	134.8	195.3347893	187.7978156	Yes
27.1	1.864	133.8	192.8553266	173.0076831	No
27.1	1.965	137.9	185.1983516	186.1017372	Yes
27.14	1.846	146.9	163.3767931	169.647657	No
27.18	1.671	138.4	183.7103804	185.2471949	Yes
27.24	1.578	144.9	167.4198452	180.8135508	Yes
27.33	1.526	142.4	173.0693692	183.0560267	Yes
27.39	1.869	138.3	184.0049395	183.0490282	Yes
27.42	1.335	142.6	172.5912057	173.6243665	No
27.48	1.414	144.4	168.49455	181.2986273	Yes
27.59	1.475	143.7	170.0444603	172.1468468	No
27.69	1.434	138.2	184.3010071	179.9452563	Yes
27.79	1.57	146.6	163.9580918	163.3662663	No
27.86	1.598	138.1	184.5985921	184.4478332	Yes
27.9	1.754	143.1	171.416365	173.15596	No
27.89	1.879	146.9	163.3767931	166.5642688	No
27.92	2.124	143.9	169.5961403	178.721457	Yes
27.93	2.108	144.1	169.1522337	179.1927387	Yes
28.06	1.85	156.6	148.6120398	153.6688638	No
28.21	1.999	145	167.2080708	176.1495085	Yes
28.23	1.875	132.1	187.7618297	169.5318061	No
28.24	1.833	130.5	183.3515534	170.8244195	No
28.31	1.568	131.7	186.6257896	166.4376972	No
28.55	1.752	139	181.9742025	179.6543459	Yes
28.46	1.974	130.1	182.3031224	166.7306391	No
28.45	2.145	130.4	183.0874794	171.9410005	No
28.37	1.996	124.2	169.0279442	160.3545753	No

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7/25/2019	16:50	28.64	0.505
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7/25/2019	16:52	28.79	0.567
7/25/2019	16:53	28.82	0.668
7/25/2019	16:54	28.8	0.721
7/25/2019	16:55	28.78	0.903
7/25/2019	16:56	28.71	1.007
7/25/2019	16:57	28.68	0.643
7/25/2019	16:58	28.57	0.751
7/25/2019	16:59	28.54	0.779

134.3	194.4394783	29.33
149.7	158.3483275	29.47
137.1	187.6599662	29.66
136.3	190.2254851	29.79
149.6	158.5161218	29.86
128.4	178.0729882	29.85
133.5	191.9241395	29.64
141.9	174.2857928	29.71
141.9	174.2857928	29.56
124.3	169.2222095	29.53
155.8	149.5695304	29.65
141.4	175.5328989	29.73
122.9	166.5881931	29.81
130.9	184.4211537	29.87
128.5	178.312062	29.9
127.5	175.9737479	29.84
144.7	167.8465446	29.68
140.5	177.8577632	29.57
139.9	179.4670474	29.42
151.2	155.9297559	29.33
136	191.2154206	29.29
143	171.6490075	29.14
154.5	151.2154981	29.11
164.2	141.4098131	29.18
132.8	189.8060036	29.22
133.2	191.0071128	29.1
131.3	185.5124012	29
145.4	166.3713526	28.95
166.6	139.7763685	29.02
164.2	141.4098131	29.16
134.5	195.0846305	29.29
122	164.9891752	29.14
111.9	151.3257947	29
119.2	160.4525084	28.85
131.3	185.5124012	28.7
117	157.3167727	28.6
114.7	154.4054945	28.6
117.5	157.9982448	28.6
121.5	164.1314071	28.72
137.2	187.3466876	28.86
132.6	189.2145397	29
125.4	171.4237479	29.18
127.3	175.5198021	29.34
122.9	166.5881931	29.36
126.5	173.7482078	29.38
118.4	159.2706591	29.34
128.3	177.8350956	29.3
143.4	170.7253164	29.22
147.4	162.4269132	29.21
152.6	153.8318952	29.11
149.7	158.3483275	29.09

1.144	130.3
0.928	141.1
0.862	131.4
1.077	140.8
1.209	153.2
1.216	124.2
1.007	127.3
1.253	125.9
1.459	129
0.943	122.6
1.252	144.5
1.052	131.8
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1.068	129.7
0.83	123.4
1.23	129
1.569	138.7
1.425	136
1.434	135.5
1.286	140.9
1.25	133.1
1.22	134
1.162	154.2
1.329	154
1.075	134.3
1.109	126.5
0.754	131.9
1.002	141.8
1.202	155.6
0.928	153.3
0.986	129.8
1.104	114.5
1.097	116.5
1.049	114.1
1.277	126.5
0.889	110.3
0.943	110.3
1.459	111
1.045	115.5
1.229	129.4
1.062	131.3
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0.913	121.4
0.71	119.7
0.837	122.8
0.995	120.7
1.203	125.6
1.389	141.2
1.168	144.9
1.505	156.5
1.207	152.7

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179.5253688	28.9
166.0471971	28.88
168.2774801	28.98
186.9076557	28.95
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179.5253688	29.16
182.8356637	29.02
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192.9002508	28.72
176.811543	28.63
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193.4841124	28.45
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173.7482078	28.43
187.1909456	28.39
174.5327325	28.36
149.8154124	28.42
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154.1690811	28.52
156.6530324	28.46
153.7040237	28.37
173.7482078	28.24
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155.3774631	28.42
180.5179243	28.55
185.5124012	28.68
163.1300876	28.87
163.9624173	29.02
161.2161624	29.04
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148.729472	28.65
153.6876994	28.61

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1.303	150.8	156.5569873	28.46	1.474	137.6	186.1096044
0.993	137.2	187.3466876	28.59	1.314	127.7	176.4322033
1.207	144.6	168.0614801	28.7	1.567	133	190.403504
1.41	154.7	150.9548471	28.68	1.641	145.6	165.9591491
1.626	131.4	185.7886529	28.61	1.869	124	168.6422867
1.179	134.2	194.1193848	28.49	1.433	129.3	180.2679334
1.371	133.4	191.6169031	28.56	1.896	120.3	162.1585863
1.665	136.4	189.898934	28.47	2.053	127.7	176.4322033
1.27	126.2	173.1016948	28.46	1.515	120.8	162.9661204
1.456	149.6	158.5161218	28.56	1.804	140.6	177.5942369
1.289	138.3	184.0049395	28.52	1.541	128.6	178.5523232
1.025	128.2	177.5983781	28.67	1.192	120.3	162.1585863
1.279	133	190.403504	28.73	1.642	125.6	171.8370419
0.929	132.9	190.1039947	28.75	1.187	129	179.5253688
1.526	128.7	178.7937782	28.74	1.81	120.9	163.1300876
1.559	140	179.1954466	28.61	2.167	133	190.403504
1.717	138.8	182.5470487	28.48	2.204	131.3	185.5124012
1.62	138.9	182.2598979	28.35	1.975	131	184.6919171
1.441	147.6	162.0534901	28.25	1.873	136.4	189.898934
1.496	139.8	179.7400211	28.18	1.76	130	182.0442679
1.363	140.6	177.5942369	28.1	1.732	130.9	184.4211537
1.1	153.6	152.4227699	28.05	1.47	141.7	174.7809062
1.403	155.2	150.3151193	28.07	1.863	144.4	168.49455
1.066	131.5	186.0662962	28.12	1.539	124.3	169.2222095
1.231	131.6	186.3453391	28.1	1.582	120.7	162.802978
0.801	130.4	183.0874794	28.08	1.115	121.6	164.3012465
1.265	144	169.3736382	28.08	1.383	134.2	194.1193848
1.344	160.7	144.3223303	28.13	1.568	147.6	162.0534901
0.949	160.1	144.8885107	28.17	1.292	144.5	168.2774801
1.152	133	190.403504	28.23	1.443	121.3	163.7942737
1.272	115.4	155.2536405	28.19	1.608	107.7	147.5733027
1.089	117.7	158.2758734	28.16	1.629	111.2	150.6306288
1.33	119.2	160.4525084	28.1	1.58	109.9	149.4151502
1.537	131.6	186.3453391	28	1.975	122.7	166.2266321
0.969	111.4	150.8262993	27.97	1.31	104.9	145.5997344
1.142	110.3	149.7788447	28	1.489	104	145.0495749
1.715	114.7	154.4054945	28.02	2.111	109.7	149.2366877
1.41	118.8	159.8555038	28.19	1.62	111.9	151.3257947
1.445	133.3	191.3112307	28.3	1.832	125.8	172.2544374
1.075	134.8	195.3347893	28.4	1.57	127.6	176.202409
0.915	123.3	167.3221929	28.56	1.136	116.2	156.2631643
1.056	126.4	173.5316387	28.68	1.385	118.1	158.8398912
0.912	123	166.7703272	28.68	1.202	114.4	154.0518489
1.023	125.2	171.014516	28.69	1.279	115.4	155.2536405
1.242	124.9	170.4081994	28.64	1.492	117.4	157.8605159
1.382	129.1	179.7716623	28.62	1.66	123.2	167.137323
1.629	143.8	169.8197457	28.44	2.036	134.7	195.6900033
1.205	146.8	163.5696028	28.39	1.533	136.4	189.898934
1.448	156.7	148.4952449	28.29	1.896	146.2	164.7466785
1.369	154.7	150.9548471	28.24	1.609	144.5	168.2774801

28.31	1.895	141.5	175.2809825	187.3834881	Yes
28.36	1.674	146	165.1468514	169.327791	No
28.52	1.446	137.9	185.1983516	184.3068775	Yes
28.63	1.777	143	171.6490075	181.4404008	Yes
28.57	2.089	154.7	150.9548471	157.10196	No
28.46	2.092	132.3	188.3385084	175.382968	Yes
28.43	1.559	137.8	185.5005447	185.4578149	Yes
28.5	1.991	129.7	181.2753983	175.131492	Yes
28.4	2.349	136.9	188.2914027	180.0355747	Yes
28.39	1.747	128.5	178.312062	167.8343055	No
28.51	2.016	148.2	160.955157	163.4893423	No
28.47	1.674	136.9	188.2914027	181.2494544	Yes
28.67	1.445	131.7	186.6257896	169.4422264	No
28.67	1.829	135	194.6299891	181.9842745	Yes
28.72	1.368	139.7	180.0143756	178.8623521	Yes
28.67	2.208	129.6	181.0216499	174.3557456	No
28.51	2.358	142.6	172.5912057	180.0702897	Yes
28.37	2.485	142	174.0400802	184.2831584	Yes
28.26	2.244	139.8	179.7400211	184.8297783	Yes
28.16	1.992	145	167.2080708	171.1734308	No
28.12	2.011	139.2	181.4071437	185.9260625	Yes
28.05	1.897	139.8	179.7400211	181.7871276	Yes
27.99	1.71	152.1	154.5640391	157.5077032	No
28	2.08	152.8	153.5442409	153.0246719	No
28.05	1.64	135.2	193.9326112	184.8834969	Yes
28.05	1.779	132	187.4756675	178.4759094	Yes
28.05	1.19	131.5	186.0662962	180.0230182	Yes
28.04	1.666	144.5	168.2774801	176.099277	Yes
28.05	1.9	161.4	143.6871825	148.9919003	No
28.07	1.458	156.2	149.0856146	151.8534277	No
28.15	1.616	130.4	183.0874794	182.7032052	Yes
28.14	1.777	116.1	156.1345891	155.4962999	No
28.14	1.637	120.7	162.802978	154.2213324	No
28.07	1.747	118.7	159.7081601	156.0060477	No
27.98	2.2	131.2	185.2375331	177.9581451	Yes
27.97	1.478	109.3	148.8864702	150.8804128	No
28	1.67	110.1	149.595865	149.7531897	No
28.01	2.357	118.7	159.7081601	153.0194308	No
28.18	1.909	122.2	165.3383346	157.6725422	No
28.26	2.002	132.8	189.8060036	182.85757	Yes
28.34	1.629	135.2	193.9326112	186.5660348	Yes
28.52	1.346	126.8	174.4043676	164.5347982	No
28.63	1.518	127.4	175.7462142	167.9634373	No
28.62	1.303	123.8	168.2604307	162.1566329	No
28.63	1.454	124.3	169.2222095	166.6058318	No
28.56	1.729	127.3	175.5198021	162.5855881	No
28.54	2.024	132.4	188.6290418	174.1452807	No
28.34	2.432	144.5	168.2774801	178.0688971	Yes
28.29	1.777	146.4	164.3504379	170.8288238	No
28.18	2.19	155.8	149.5695304	153.9508226	No
28.12	1.922	152.9	153.4015168	157.8170885	No

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4.645

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7/25/2019	17:04	27.6	0.915
7/25/2019	17:05	27.34	0.92
7/25/2019	17:06	27.13	0.787
7/25/2019	17:07	26.97	0.667
7/25/2019	17:08	26.89	0.369
7/25/2019	17:09	26.83	0.489
7/25/2019	17:10	26.77	0.524
7/25/2019	17:11	26.71	0.509
7/25/2019	17:12	26.64	0.538
7/25/2019	17:13	26.58	0.532
7/25/2019	17:14	26.55	0.532
7/25/2019	17:15	26.54	0.651
7/25/2019	17:16	26.55	0.667
7/25/2019	17:17	26.59	0.651
7/25/2019	17:18	26.64	0.578
7/25/2019	17:19	26.68	0.612
7/25/2019	17:20	26.73	0.66
7/25/2019	17:21	26.81	0.589
7/25/2019	17:22	26.87	0.54
7/25/2019	17:23	26.94	0.561
7/25/2019	17:24	27	0.542
7/25/2019	17:25	27.02	0.583
7/25/2019	17:26	27	0.829
7/25/2019	17:27	26.93	0.583
7/25/2019	17:28	26.86	0.513
7/25/2019	17:29	26.84	0.423
7/25/2019	17:30	26.87	0.41
7/25/2019	17:31	26.99	0.367
7/25/2019	17:32	27.14	0.459
7/25/2019	17:33	27.26	0.378
7/25/2019	17:34	27.37	0.427
7/25/2019	17:35	27.39	0.437
7/25/2019	17:36	27.31	0.651
7/25/2019	17:37	27.21	0.531
7/25/2019	17:38	27.16	0.384
7/25/2019	17:39	27.12	0.572
7/25/2019	17:40	27.04	0.577
7/25/2019	17:41	26.92	0.419
7/25/2019	17:42	26.81	0.478
7/25/2019	17:43	26.71	0.422
7/25/2019	17:44	26.61	0.503
7/25/2019	17:45	26.53	0.491
7/25/2019	17:46	26.45	0.431
7/25/2019	17:47	26.38	0.528
7/25/2019	17:48	26.32	0.564
7/25/2019	17:49	26.3	0.48
7/25/2019	17:50	26.3	0.403

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125.1	170.8114111	28.98
126.7	174.1845669	28.57
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128.5	178.312062	28.04
132.4	188.6290418	27.74
138.3	184.0049395	27.51
141.7	174.7809062	27.34
134	193.4841124	27.26
114.5	154.1690811	27.21
102.2	144.0675996	27.15
107	147.041908	27.09
116.5	156.6530324	27.01
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118.8	159.8555038	26.92
123.3	167.3221929	26.91
112	151.4274771	26.93
119.7	161.2161624	26.99
131.3	185.5124012	27.04
137.3	187.035022	27.09
135.8	191.884056	27.17
129	179.5253688	27.28
127.4	175.7462142	27.36
124.7	170.0089535	27.46
129.2	180.0191816	27.52
105.6	146.0555256	27.55
127.2	175.2945059	27.48
138.4	183.7103804	27.38
127.3	175.5198021	27.31
117.8	158.4157786	27.27
118.5	159.4157407	27.32
130.8	184.1517432	27.48
112.7	152.156119	27.68
121.7	164.4719393	27.85
132.7	189.5095215	28.03
129.2	180.0191816	28.07
117.8	158.4157786	27.93
135.7	192.2210107	27.79
124.9	170.4081994	27.72
142.1	173.7955882	27.67
133.8	192.8553266	27.57
136.3	190.2254851	27.42
135.2	193.9326112	27.29
131	184.6919171	27.15
132.6	189.2145397	27.02
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131.4	185.7886529	26.68

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1.137	133.2
1.178	122.8
1.237	125.5
0.865	136.9
0.814	136.1
0.526	129.5
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0.54	102.5
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0.599	113.9
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0.857	131.4
0.701	136.8
0.707	125.8
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0.659	107.8
0.918	115.6
0.579	127.1
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0.601	123.3
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0.598	130.7
0.567	134.6
0.557	130.1
0.786	114.5
0.673	131.3
0.427	131.6
0.559	132.5
0.591	127.3
0.553	130.5
0.514	130.6
0.455	124.8
0.493	128.3
0.548	130.5
0.387	127.5
0.558	127.8
0.486	126
0.485	130.1
0.429	129.9

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144.220467	26.93
150.437296	26.87
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153.475345	26.78
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188.6095808	26.93
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147.6513318	27.28
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175.0703199	27.15
171.014516	27.08
164.8158999	27.05
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183.6169505	27.22
151.6326395	27.39
183.8836779	27.53
195.4097096	27.65
182.3031224	27.66
154.1690811	27.56
185.5124012	27.44
186.3453391	27.36
188.9210494	27.3
175.5198021	27.21
183.3515534	27.09
183.6169505	26.98
170.2080831	26.87
177.8350956	26.76
183.3515534	26.67
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172.6759748	26.49
182.3031224	26.47
181.7867003	26.48

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1.196	128.8	179.0364331	28.18	1.435	120.2	161.9995159
1.365	128	177.1284437	27.89	1.828	121	163.294883
1.337	136.2	190.5537426	27.68	1.686	127.5	175.9737479
1.404	124.7	170.0089535	27.53	1.727	117.4	157.8605159
1.265	126.5	173.7482078	27.33	1.823	120.7	162.802978
1.075	138.8	182.5470487	27.14	1.369	129.9	181.7867003
1.002	139.6	180.290119	27.01	1.354	130.7	183.8836779
0.542	135.6	192.5597384	26.93	0.873	125.2	171.014516
0.758	117.4	157.8605159	26.9	0.984	104.9	145.5997344
0.838	106.6	146.7497779	26.9	1.07	101.3	143.6345036
0.728	105.8	146.1902907	26.89	0.965	100.3	143.1976347
0.812	117.2	157.5872152	26.84	1.098	109.6	149.1482972
0.735	121.1	163.4605101	26.79	0.983	110.7	150.1516501
0.756	119.9	161.5271173	26.77	1.052	112.1	151.529758
0.909	124.2	169.0279442	26.75	1.101	114.4	154.0518489
0.934	114.7	154.4054945	26.74	1.068	109.5	149.0604651
0.971	121.3	163.7942737	26.81	1.213	114.4	154.0518489
0.922	130.4	183.0874794	26.84	1.204	122.6	166.0471971
0.988	136	191.2154206	26.84	1.316	127.1	175.0703199
0.846	144	169.3736382	26.84	1.133	131.1	184.9640411
0.956	130.2	182.5632711	26.89	1.145	122.4	165.6909983
0.783	132.6	189.2145397	26.96	1.045	123.4	167.507983
0.825	129.4	180.5179243	27.05	1.061	121.3	163.7942737
0.742	133.8	192.8553266	27.11	0.956	122.8	166.4069628
0.905	110.8	150.2462872	27.17	1.147	105.8	146.1902907
1.202	123.8	168.2604307	27.17	1.407	115.5	155.3774631
0.795	133.9	193.1689136	27.07	1.009	122.3	165.5142265
0.777	132.9	190.1039947	26.99	1.08	121.9	164.8158999
0.672	124.4	169.4174385	26.95	0.96	117.6	158.1366964
0.613	123.7	168.0709172	26.99	0.948	117.9	158.5564148
0.523	128.7	178.7937782	27.1	0.77	119.3	160.6036824
0.681	115.6	155.5019575	27.25	0.851	109.8	149.3256382
0.548	128	177.1284437	27.36	0.913	121.4	163.9624173
0.621	136.7	188.9294126	27.45	0.889	125.2	171.014516
0.648	129.7	181.2753983	27.46	0.878	119.3	160.6036824
0.956	120.1	161.8412498	27.39	1.225	112.5	151.9449052
0.762	133.2	191.0071128	27.28	1.081	125.1	170.8114111
0.603	129.9	181.7867003	27.21	0.797	118.4	159.2706591
0.691	135.9	191.5488631	27.13	0.935	123.3	167.3221929
0.796	133.8	192.8553266	27.06	1.012	122.8	166.4069628
0.59	135.5	192.9002508	26.96	0.916	125.3	171.2186266
0.637	135.7	192.2210107	26.86	0.849	124.5	169.6136358
0.653	130.2	182.5632711	26.76	0.791	118.8	159.8555038
0.741	132.6	189.2145397	26.67	0.845	123.5	167.6946976
0.673	139.6	180.290119	26.59	0.91	125.9	172.4646859
0.646	130.4	183.0874794	26.53	0.764	122.3	165.5142265
0.669	134.5	195.0846305	26.48	0.876	124.6	169.810806
0.665	135.3	193.5866754	26.44	0.831	124	168.6422867
0.571	133.8	192.8553266	26.41	0.796	121.8	164.6434892
0.586	137.2	187.3466876	26.41	0.798	124.4	169.4174385

28.19	1.188	153.8	152.1495751	152.456989	No
28.11	1.708	128.8	179.0364331	173.0288234	No
27.85	2.017	131.9	187.1909456	172.9926807	No
27.67	1.972	138.9	182.2598979	185.6930341	Yes
27.54	1.996	126.4	173.5316387	168.1471235	No
27.36	2.022	130	182.0442679	174.2025281	No
27.2	1.723	139.8	179.7400211	184.1575228	Yes
27.09	1.544	140.3	178.3888034	182.4596051	Yes
27.03	1.024	134.2	194.1193848	184.4568819	Yes
27	1.14	111.5	150.9250156	151.7611204	No
27.02	1.194	110.8	150.2462872	144.3818645	No
27	1.192	107.6	147.4958051	145.1625751	No
26.96	1.234	119.4	160.7556316	153.4564602	No
26.91	1.045	117.5	157.9982448	157.8081415	No
26.89	1.17	119.6	161.0618684	156.596931	No
26.85	1.29	124.6	169.810806	162.4908898	No
26.83	1.327	120.7	162.802978	150.859638	No
26.9	1.351	125.7	172.0452245	158.4871161	No
26.92	1.362	132.7	189.5095215	177.3735791	Yes
26.89	1.604	136.3	190.2254851	184.7773538	Yes
26.87	1.279	140.6	177.5942369	183.707829	Yes
26.91	1.344	134.1	193.8009328	175.0085189	Yes
26.99	1.285	134	193.4841124	176.4462183	Yes
27.07	1.209	131.1	184.9640411	171.1823377	No
27.15	1.185	132.9	190.1039947	179.7632833	Yes
27.22	1.318	117	157.3167727	147.5358588	No
27.22	1.609	124.6	169.810806	163.6085893	No
27.12	1.264	134.9	194.9814553	179.3659601	Yes
27.05	1.31	130.9	184.4211537	175.3635532	Yes
27.01	1.09	127.2	175.2945059	162.6964533	No
27.03	1.093	127.6	176.202409	163.3413164	No
27.14	0.906	131.6	186.3453391	176.7915385	Yes
27.28	1.053	118.6	159.5615734	152.1540885	No
27.39	1.03	130.1	182.3031224	172.3616195	No
27.47	0.956	130.9	184.4211537	186.2157899	Yes
27.49	1.002	127.2	175.2945059	176.0503462	Yes
27.41	1.296	122.6	166.0471971	156.5927537	No
27.32	1.24	135.7	192.2210107	184.8879839	Yes
27.25	1.028	123.9	168.4508857	174.4527245	No
27.18	1.11	135.6	192.5597384	180.3969234	Yes
27.11	1.222	132.1	187.7618297	181.9093545	Yes
27.02	0.986	133.6	192.2329492	184.423979	Yes
26.92	1.007	134.3	194.4394783	184.846052	Yes
26.83	1.004	129.3	180.2679334	174.3296938	No
26.75	1.139	133.4	191.6169031	180.9897182	Yes
26.65	1.115	136.2	190.5537426	180.4017257	Yes
26.6	0.989	131.3	185.5124012	176.5905385	Yes
26.54	1.09	134.9	194.9814553	181.427579	Yes
26.5	0.998	134.7	195.6900033	182.5786616	Yes
26.49	0.9	130.6	183.6169505	180.205897	Yes
26.49	0.928	133.4	191.6169031	181.0848698	Yes

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7/25/2019	17:52	26.34	0.34
7/25/2019	17:53	26.37	0.289
7/25/2019	17:54	26.4	0.272
7/25/2019	17:55	26.44	0.437
7/25/2019	17:56	26.48	0.381
7/25/2019	17:57	26.5	0.45
7/25/2019	17:58	26.54	0.399
7/25/2019	17:59	26.59	0.311
7/25/2019	18:00	26.6	0.39
7/25/2019	18:01	26.61	0.487
7/25/2019	18:02	26.61	0.472
7/25/2019	18:03	26.61	0.458
7/25/2019	18:04	26.58	0.455
7/25/2019	18:05	26.54	0.557
7/25/2019	18:06	26.48	0.404
7/25/2019	18:07	26.43	0.498
7/25/2019	18:08	26.37	0.319
7/25/2019	18:09	26.33	0.415
7/25/2019	18:10	26.3	0.542
7/25/2019	18:11	26.25	0.545
7/25/2019	18:12	26.21	0.449
7/25/2019	18:13	26.19	0.329
7/25/2019	18:14	26.17	0.458
7/25/2019	18:15	26.16	0.408
7/25/2019	18:16	26.16	0.46
7/25/2019	18:17	26.17	0.562
7/25/2019	18:18	26.21	0.466
7/25/2019	18:19	26.25	0.405
7/25/2019	18:20	26.26	0.446
7/25/2019	18:21	26.26	0.452
7/25/2019	18:22	26.24	0.445
7/25/2019	18:23	26.22	0.457
7/25/2019	18:24	26.21	0.322
7/25/2019	18:25	26.21	0.471
7/25/2019	18:26	26.19	0.492
7/25/2019	18:27	26.19	0.432
7/25/2019	18:28	26.21	0.459
7/25/2019	18:29	26.23	0.387
7/25/2019	18:30	26.27	0.217
7/25/2019	18:31	26.33	0.427
7/25/2019	18:32	26.37	0.541
7/25/2019	18:33	26.48	0.279
7/25/2019	18:34	26.65	0.372
7/25/2019	18:35	26.83	0.513
7/25/2019	18:36	26.96	0.536
7/25/2019	18:37	27.02	0.59
7/25/2019	18:38	27.09	0.571
7/25/2019	18:39	27.15	0.615
7/25/2019	18:40	27.25	0.504
7/25/2019	18:41	27.35	0.666

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117.5	157.9982448	26.79
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128.6	178.5523232	26.89
121.4	163.9624173	26.94
128.9	179.2802945	26.97
131.8	186.9076557	27.01
139.3	181.1257634	27.07
140.8	177.0711342	27.09
140	179.1954466	27.09
136.7	188.9294126	27.1
147.3	162.6150149	27.1
139.2	181.4071437	27.05
142.1	173.7955882	26.99
135.3	193.5866754	26.91
128.4	178.0729882	26.83
123.8	168.2604307	26.75
129.3	180.2679334	26.71
128.3	177.8350956	26.65
120.3	162.1585863	26.58
122.6	166.0471971	26.52
125.8	172.2544374	26.5
122.7	166.2266321	26.48
140.4	178.1226162	26.48
138	184.8977039	26.49
130	182.0442679	26.49
126.8	174.4043676	26.54
124.1	168.8346381	26.62
118.8	159.8555038	26.64
113.4	152.9147416	26.63
120.3	162.1585863	26.59
120.3	162.1585863	26.56
118.4	159.2706591	26.55
128	177.1284437	26.54
123.9	168.4508857	26.53
128.8	179.0364331	26.53
114.3	153.9352634	26.57
121	163.294883	26.59
127	174.8472386	26.65
127.3	175.5198021	26.76
128.1	177.3628294	26.81
128.9	179.2802945	26.97
117.9	158.5564148	27.24
140	179.1954466	27.51
132.8	189.8060036	27.7
129.5	180.7691609	27.76
129.3	180.2679334	27.83
112.5	151.9449052	27.89
133.3	191.3112307	28.03
116.8	157.0491672	28.17

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0.323	119.9
0.362	124.7
0.38	131.7
0.372	125.6
0.343	127.8
0.476	120.8
0.369	131.4
0.564	135.3
0.521	135.5
0.505	132.3
0.464	140.3
0.557	139.1
0.527	135.7
0.605	134.1
0.398	131.9
0.514	126.9
0.418	124
0.496	122.5
0.528	116.8
0.571	119.5
0.523	117.3
0.447	121.7
0.465	123.5
0.465	125.9
0.703	123.4
0.639	116.6
0.519	120.3
0.538	115.3
0.487	114.1
0.525	111.9
0.487	113.9
0.461	114.9
0.322	113.4
0.489	114.5
0.527	114.3
0.45	116.2
0.488	110.9
0.403	110.3
0.33	129.2
0.487	119.2
0.633	118.5
0.49	127.3
0.354	126.3
0.569	135.2
0.691	123.6
0.64	123.4
0.615	116.5
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0.674	133.7
0.651	114.8

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161.5271173	26.53
170.0089535	26.57
186.6257896	26.61
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176.6631365	26.71
162.9661204	26.74
185.7886529	26.79
193.5866754	26.82
192.9002508	26.83
188.3385084	26.82
178.3888034	26.83
181.6899539	26.82
192.2210107	26.78
193.8009328	26.73
187.1909456	26.66
174.6252563	26.61
168.6422867	26.54
165.8686538	26.49
157.0491672	26.45
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157.7235069	26.36
164.4719393	26.33
167.6946976	26.31
172.4646859	26.3
167.507983	26.31
156.7843776	26.32
162.1585863	26.37
155.1304872	26.42
153.7040237	26.44
151.3257947	26.43
153.475345	26.4
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152.9147416	26.37
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156.2631643	26.34
150.341502	26.37
149.7788447	26.39
180.0191816	26.44
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159.4157407	26.57
175.5198021	26.7
173.3161361	26.92
193.9326112	27.14
167.8823409	27.28
167.507983	27.33
156.6530324	27.39
162.3184643	27.44
192.5433417	27.54
154.5246801	27.65

0.425	137.1	187.6599662	26.42	0.637	122.2	165.3383346
0.422	128.3	177.8350956	26.44	0.584	117.9	158.5564148
0.388	126.2	173.1016948	26.48	0.547	116.8	157.0491672
0.353	133.5	191.9241395	26.52	0.605	121.4	163.9624173
0.588	130.9	184.4211537	26.56	0.693	116.3	156.3924283
0.492	129.6	181.0216499	26.61	0.628	116.7	156.9164217
0.582	131.2	185.2375331	26.64	0.737	118.8	159.8555038
0.534	142.1	173.7955882	26.68	0.678	130.7	183.8836779
0.487	145.7	165.7545685	26.71	0.802	126.4	173.5316387
0.559	144.6	168.0614801	26.71	0.819	127.9	176.8952147
0.713	142.7	172.3538995	26.71	0.773	129.7	181.2753983
0.624	145.7	165.7545685	26.71	0.709	131	184.6919171
0.63	147.2	162.8040494	26.7	0.839	133.7	192.5433417
0.742	143.6	170.2702897	26.66	0.867	130.9	184.4211537
0.813	142.6	172.5912057	26.63	0.941	127.9	176.8952147
0.521	139.3	181.1257634	26.57	0.686	125.7	172.0452245
0.724	132.6	189.2145397	26.51	0.869	122.3	165.5142265
0.51	130.4	183.0874794	26.45	0.694	120.1	161.8412498
0.57	130.9	184.4211537	26.4	0.86	117.6	158.1366964
0.68	125.2	171.014516	26.37	0.852	115.3	155.1304872
0.715	124.3	169.2222095	26.32	0.853	114.5	154.1690811
0.696	129.1	179.7716623	26.29	0.897	118.9	160.0036074
0.551	128	177.1284437	26.26	0.777	117.7	158.2758734
0.615	130	182.0442679	26.24	0.809	120	161.6837847
0.551	131.3	185.5124012	26.23	0.817	121	163.294883
0.703	129.7	181.2753983	26.23	1.05	120.1	161.8412498
0.783	124.5	169.6136358	26.24	0.961	114.4	154.0518489
0.617	126	172.6759748	26.29	0.902	115.5	155.3774631
0.606	123.3	167.3221929	26.33	0.924	115.1	154.8861795
0.617	120.6	162.6406568	26.35	0.821	111	150.437296
0.632	117.4	157.8605159	26.34	0.883	108.3	148.0494963
0.617	120	161.6837847	26.32	0.886	109.1	148.7146909
0.622	123.8	168.2604307	26.29	0.817	113.5	153.0256028
0.492	120.7	162.802978	26.28	0.614	112.2	151.6326395
0.65	122.4	165.6909983	26.27	0.875	113.5	153.0256028
0.657	123.4	167.507983	26.26	0.871	113.3	152.8045061
0.556	126.5	173.7482078	26.26	0.793	113.8	153.3619607
0.599	119.9	161.5271173	26.28	0.827	110.6	150.0575889
0.557	122	164.9891752	26.3	0.708	112.5	151.9449052
0.332	134.2	194.1193848	26.34	0.57	120.5	162.4791534
0.573	127.1	175.0703199	26.4	0.736	114.9	154.6445213
0.785	129.3	180.2679334	26.46	1.027	118.4	159.2706591
0.423	132.6	189.2145397	26.55	0.813	118.3	159.1263255
0.483	122.9	166.5881931	26.73	0.604	115.3	155.1304872
0.632	137.6	186.1096044	26.92	0.943	125.5	171.6298847
0.794	133.2	191.0071128	27.03	1.132	124.4	169.4174385
0.801	130.7	183.8836779	27.08	1.101	122.1	165.1633188
0.756	122.1	165.1633188	27.13	1.052	113	152.4775331
0.825	124.2	169.0279442	27.18	1.094	115.4	155.2536405
0.708	133.6	192.2329492	27.26	1.041	123.4	167.507983
0.717	117.7	158.2758734	27.35	1.075	110.7	150.1516501

26.5	0.671	126.4	173.5316387	182.2976144	Yes
26.52	0.619	124.3	169.2222095	168.9384308	No
26.55	0.633	125.7	172.0452245	164.5395151	No
26.58	0.564	128.3	177.8350956	175.3380594	Yes
26.63	0.847	127.1	175.0703199	172.8007368	No
26.67	0.789	129.8	181.5304128	169.6409064	No
26.7	0.861	128.7	178.7937782	171.834863	No
26.74	0.802	141.7	174.7809062	182.5938937	Yes
26.75	0.843	138.3	184.0049395	178.4996615	Yes
26.76	0.94	141.8	174.5327325	178.7320199	Yes
26.76	1.067	141.5	175.2809825	180.2908132	Yes
26.76	0.867	140.3	178.3888034	179.4411754	Yes
26.75	1.003	143.3	170.9545255	174.91309	No
26.72	1.221	142.5	172.8296935	182.0798994	Yes
26.69	1.145	139.5	180.5672593	179.2707353	Yes
26.63	0.834	133.7	192.5433417	183.4871522	Yes
26.57	1.086	131.9	187.1909456	176.8567527	Yes
26.51	0.76	123.7	168.0709172	170.4578617	No
26.46	0.889	126.7	174.1845669	172.1736093	No
26.42	1.008	123.8	168.2604307	165.2573165	No
26.37	1.051	126.3	173.3161361	161.614559	No
26.34	1.107	129.1	179.7716623	165.8864934	No
26.31	0.917	125.9	172.4646859	168.0326734	No
26.29	1.004	129.1	179.7716623	169.4123456	No
26.28	0.925	128.3	177.8350956	174.8486466	No
26.27	1.051	128.8	179.0364331	173.8805838	No
26.3	1.062	123.6	167.8823409	165.6235326	No
26.34	1.034	126.5	173.7482078	166.154098	No
26.39	0.969	124.9	170.4081994	161.5433744	No
26.41	0.962	119.5	160.9083592	156.6593701	No
26.4	0.996	115.4	155.2536405	152.5376371	No
26.38	0.994	119.2	160.4525084	156.5081017	No
26.36	0.991	123.2	167.137323	159.5222853	No
26.34	0.78	117.4	157.8605159	156.6552545	No
26.33	0.95	120.2	161.9995159	162.5035315	No
26.33	0.924	118.8	159.8555038	160.6746595	No
26.33	0.931	123	166.7703272	165.6024415	No
26.35	0.986	121.3	163.7942737	153.9653679	No
26.37	0.907	122.1	165.1633188	157.501952	No
26.42	0.583	124.4	169.4174385	177.8662396	Yes
26.47	0.935	125.8	172.2544374	166.4217879	No
26.53	1.08	125.3	171.2186266	169.0792907	No
26.64	0.86	127	174.8472386	175.7852405	Yes
26.84	0.721	126.5	173.7482078	163.3978078	No
27.06	1.052	134.6	195.4097096	182.7168867	Yes
27.15	1.25	133.3	191.3112307	179.528224	Yes
27.19	1.275	133.9	193.1689136	174.3310352	No
27.24	1.243	123.3	167.3221929	163.6404544	No
27.3	1.251	127	174.8472386	159.6362385	No
27.39	1.121	133.6	192.2329492	185.8988761	Yes
27.48	1.268	121.6	164.3012465	155.0003427	No

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7/25/2019	18:46	27.3	0.514
7/25/2019	18:47	27.15	0.613
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7/25/2019	19:12	25.14	0.466
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7/25/2019	19:15	24.93	0.448
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7/25/2019	19:24	24.73	0.565
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0.844	139.1	181.6899539	26.53	1.033	127	174.8472386
0.838	141.1	176.2962446	26.52	1.108	128.4	178.0729882
0.722	136.5	189.5740787	26.51	0.95	125.1	170.8114111
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0.755	136	191.2154206	26.5	0.988	126.2	173.1016948
0.701	134	193.4841124	26.46	0.859	125.4	171.4237479
0.746	134.2	194.1193848	26.4	0.925	123.3	167.3221929
0.783	134.3	194.4394783	26.31	0.983	124	168.6422867
0.756	136.9	188.2914027	26.18	0.999	128.5	178.312062
0.715	139.1	181.6899539	26.03	0.908	126.7	174.1845669
0.806	135.6	192.5597384	25.9	0.948	126.4	173.5316387
0.746	133.5	191.9241395	25.76	1.052	123.2	167.137323
0.719	132.8	189.8060036	25.65	1.026	122.3	165.5142265
0.677	127.6	176.202409	25.55	1.031	119	160.152474
0.713	126.4	173.5316387	25.46	0.946	119.8	161.3712442
0.67	128.5	178.312062	25.38	0.876	119.4	160.7556316
0.692	127.5	175.9737479	25.3	0.954	120.1	161.8412498
0.714	125.6	171.8370419	25.23	0.838	119.1	160.3021067
0.695	130	182.0442679	25.16	0.997	122.7	166.2266321
0.756	129.8	181.5304128	25.1	0.922	122.7	166.2266321
0.715	122.5	165.8686538	25.03	0.9	117.3	157.7235069
0.771	124.1	168.8346381	24.98	0.902	117.6	158.1366964
0.786	119.4	160.7556316	24.91	0.904	112.8	152.2626427
0.729	116.2	156.2631643	24.86	0.836	111.8	151.2247092
0.742	118.1	158.8398912	24.83	0.914	112	151.4274771
0.736	116.9	157.1826166	24.82	0.994	110.4	149.8711879
0.774	116.9	157.1826166	24.83	0.995	111	150.437296
0.789	121.4	163.9624173	24.84	1.039	115.1	154.8861795
0.813	118.2	158.9827372	24.86	0.951	112.9	152.3697801
0.826	122.3	165.5142265	24.88	1.102	115.3	155.1304872
0.683	124.8	170.2080831	24.88	0.904	116.7	156.9164217
0.662	128	177.1284437	24.88	0.839	121.7	164.4719393
0.546	136	191.2154206	24.86	0.757	125.8	172.2544374
0.651	134.6	195.4097096	24.84	0.723	125.2	171.014516
0.543	134.5	195.0846305	24.82	0.687	129.6	181.0216499
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0.613	133.7	192.5433417	24.75	0.672	127.9	176.8952147
0.615	134.4	194.7612235	24.73	0.84	127.5	175.9737479

27.51	1.305	129.4	180.5179243	173.255641	No
27.56	1.008	128.1	177.3628294	176.5868442	Yes
27.56	1.334	123.1	166.9533691	157.7165892	No
27.48	1.304	131.6	186.3453391	179.4427018	Yes
27.36	1.201	123.1	166.9533691	164.5644299	No
27.19	1.382	131.2	185.2375331	177.0271262	Yes
27	1.319	132.4	188.6290418	179.6532103	Yes
26.88	1.058	129.6	181.0216499	178.350392	Yes
26.82	1.053	125.4	171.4237479	164.3229935	No
26.79	1.028	127.9	176.8952147	167.8849895	No
26.78	1.159	129.6	181.0216499	176.3671404	Yes
26.72	1.244	131	184.6919171	178.085251	Yes
26.67	1.319	136.5	189.5740787	177.3425755	Yes
26.63	1.288	136.8	188.6095808	180.2488653	Yes
26.62	1.188	136.2	190.5537426	178.741496	Yes
26.63	1.21	137	187.9748679	178.9955169	Yes
26.63	1.058	135.2	193.9326112	177.8254113	Yes
26.62	1.184	135.6	192.5597384	183.5171641	Yes
26.56	1.093	135.5	192.9002508	184.9496628	Yes
26.5	1.204	134.6	195.4097096	178.8923385	Yes
26.4	1.276	135.7	192.2210107	179.0284276	Yes
26.26	1.131	135.7	192.2210107	177.4402678	Yes
26.11	1.203	136.9	188.2914027	183.4032348	Yes
25.98	1.239	135.9	191.5488631	181.0446852	Yes
25.84	1.264	132.8	189.8060036	180.8279367	Yes
25.75	1.195	132.4	188.6290418	178.4977894	Yes
25.65	1.133	129.2	180.0191816	166.2300628	No
25.57	1.144	128.6	178.5523232	171.1360272	No
25.49	1.029	129.6	181.0216499	175.2764233	Yes
25.41	1.097	128	177.1284437	173.3383365	No
25.33	1.064	128.7	178.7937782	164.4091099	No
25.27	1.126	130.4	183.0874794	173.5192408	No
25.21	1.085	130.3	182.824721	175.8499359	Yes
25.15	1.152	128.7	178.7937782	167.3011312	No
25.09	1.185	127	174.8472386	161.8656168	No
25.02	1.165	125	170.6093072	156.2267179	No
24.96	1.1	123.2	167.137323	154.8466781	No
24.93	1.067	121.8	164.6434892	155.9281244	No
24.92	1.111	119.1	160.3021067	155.5637755	No
24.93	1.14	120.1	161.8412498	155.7053025	No
24.95	1.21	123.5	167.6946976	157.4346003	No
24.96	1.213	123.7	168.0709172	164.0312086	No
24.98	1.238	124.1	168.8346381	164.6302368	No
24.98	1.132	126	172.6759748	165.8173888	No
24.97	1.051	128.7	178.7937782	171.8722783	No
24.95	0.924	133.6	192.2329492	180.1225221	Yes
24.93	0.984	134.9	194.9814553	179.6018454	Yes
24.91	0.911	139.5	180.5672593	185.8775346	Yes
24.87	0.892	137.1	187.6599662	176.9276248	Yes
24.83	0.919	136.9	188.2914027	183.0124432	Yes
24.82	0.963	136.6	189.2509084	179.5382738	Yes

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7/25/2019	19:58	23.7	0.148
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7/25/2019	20:11	23.41	0.133
7/25/2019	20:12	23.39	0.173
7/25/2019	20:13	23.36	0.128
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7/25/2019	20:18	23.29	0.038
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166.5	139.8387928	23.58
171.5	137.2889944	23.55
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221.4	178.1226162	23.51
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0.501	119.3	160.6036824	24.27	0.598	116.5	156.6530324
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0.421	124.2	169.0279442	24.07	0.542	118.4	159.2706591
0.477	122.4	165.6909983	24.02	0.535	115	154.7650203
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0.418	131.7	186.6257896	23.95	0.557	124.8	170.2080831
0.372	135.8	191.884056	23.92	0.483	129.2	180.0191816
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0.342	137.6	186.1096044	23.84	0.417	132.1	187.7618297
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0.334	230.2	186.3453391	23.63	0.445	223.8	184.8977039
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24.8	0.932	134.1	193.8009328	179.3998225	Yes
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24.45	0.85	122.4	165.6909983	153.1322447	No
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24.14	0.762	131.3	185.5124012	168.1536	No
24.11	0.746	135.1	194.2803784	174.1830987	No
24.07	0.699	136.8	188.6095808	187.6512047	Yes
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23.94	0.598	151	156.2417902	150.4253481	No
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23.87	0.608	149.5	158.684756	157.9336327	No
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7/25/2019	20:36	22.83	0.029
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7/25/2019	20:44	22.61	0.105
7/25/2019	20:45	22.58	0.13
7/25/2019	20:46	22.54	0.161
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7/25/2019	20:48	22.43	0.155
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7/25/2019	20:51	22.29	0.175
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7/25/2019	20:55	22.11	0.157
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0.039	39.44	173.1655735	23.12	0.072	347.8	139.0645196
0.067	64.49	157.7371755	23.08	0.067	10.71	137.4553479
0.142	69.72	151.5092539	23.05	0.1	42.87	182.1740368
0.267	73.92	147.7141387	23.03	0.252	66.63	154.9713848
0.316	78.82	144.4739816	23.01	0.249	74.35	147.3805523
0.301	83.4	142.4938547	23	0.225	85.7	141.8586336
0.338	80.8	143.4985715	23	0.291	82.7	142.7340803
0.363	78.2	144.8178344	22.98	0.361	78.33	144.7441957
0.381	77.53	145.2104254	22.92	0.446	74.12	147.5577607
0.383	77.57	145.1863697	22.88	0.499	70.42	150.8066267
0.385	78.8	144.4847842	22.86	0.483	73.48	148.0657023
0.338	82.9	142.6631883	22.83	0.381	79.38	144.1792841
0.388	89.6	141.3111722	22.75	0.378	88.1	141.4436643
0.367	97.3	142.1607573	22.68	0.385	94.2	141.5094486
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0.344	113	152.4775331	22.44	0.47	106.6	146.7497779
0.325	113.5	153.0256028	22.37	0.446	108.6	148.294859
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0.282	119.5	160.9083592	22.26	0.385	114.5	154.1690811
0.222	124.6	169.810806	22.23	0.353	117.9	158.5564148
0.25	131	184.6919171	22.22	0.385	123.9	168.4508857
0.293	134.3	194.4394783	22.24	0.456	126.8	174.4043676
0.235	123.2	167.137323	22.25	0.382	121.1	163.4605101
0.286	117.6	158.1366964	22.23	0.397	115.4	155.2536405
0.317	105.3	145.8571712	22.19	0.41	104.3	145.2285189
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0.391	92.9	141.3609132	22.06	0.394	91.9	141.2963201
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23.51	0.188	261.2	143.3238336	141.8212014	No
23.49	0.194	287.1	147.1162438	159.6296698	No
23.46	0.178	284.4	145.2891508	145.2879219	No
23.43	0.19	298.6	159.5615734	152.8440913	No
23.41	0.213	295.1	154.8861795	151.3531481	No
23.41	0.177	281.8	143.8704074	156.0802247	No
23.41	0.171	289.6	149.1482972	159.6112927	No
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23.4	0.161	307.8	176.6631365	161.8441661	No
23.39	0.161	325.1	166.9973396	149.1768249	No
23.38	0.136	329.5	158.684756	152.4641062	No
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23.13	0.508	83.5	142.4613373	148.9291861	No
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23.04	0.594	77.03	145.5177885	149.1865613	No
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22.33	0.571	96.1	141.8586336	141.3814654	No
22.23	0.713	93.1	141.3790081	141.4071737	No
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7/25/2019	21:18	21.33	0.222
7/25/2019	21:19	21.31	0.241
7/25/2019	21:20	21.31	0.269
7/25/2019	21:21	21.3	0.227
7/25/2019	21:22	21.28	0.189
7/25/2019	21:23	21.27	0.212
7/25/2019	21:24	21.27	0.207
7/25/2019	21:25	21.26	0.165
7/25/2019	21:26	21.25	0.138
7/25/2019	21:27	21.24	0.139
7/25/2019	21:28	21.22	0.102
7/25/2019	21:29	21.2	0.123
7/25/2019	21:30	21.18	0.14
7/25/2019	21:31	21.16	0.178
7/25/2019	21:32	21.15	0.188
7/25/2019	21:33	21.12	0.175
7/25/2019	21:34	21.1	0.169
7/25/2019	21:35	21.07	0.222
7/25/2019	21:36	21.04	0.228
7/25/2019	21:37	21	0.228
7/25/2019	21:38	20.98	0.309
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21.63	0.727	117.9	158.5564148	163.5067054	No
21.63	0.798	116.8	157.0491672	162.0187567	No
21.66	0.856	116.5	156.6530324	159.959429	No
21.68	0.843	117.6	158.1366964	162.7257095	No
21.68	0.8	115.3	155.1304872	160.5429039	No
21.65	0.791	117.3	157.7235069	159.8697442	No
21.65	0.842	116	156.0067	157.3500588	No
21.64	0.896	114.7	154.4054945	154.2536694	No
21.63	0.872	114.8	154.5246801	154.9331554	No
21.65	0.901	114.8	154.5246801	154.5998908	No
21.63	0.738	116.9	157.1826166	161.6267922	No
21.62	0.721	117.6	158.1366964	169.7596981	No
21.59	0.693	119.9	161.5271173	176.2493965	Yes
21.58	0.659	126.9	174.6252563	180.9350971	Yes
21.52	0.781	131	184.6919171	183.048465	Yes
21.45	0.743	135.7	192.2210107	170.1218185	No
21.38	0.734	139.5	180.5672593	171.1934365	No
21.3	0.685	151	156.2417902	145.6640418	No

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7/25/2019	22:10	20.63	0.169
7/25/2019	22:11	20.61	0.171
7/25/2019	22:12	20.59	0.115
7/25/2019	22:13	20.57	0.134
7/25/2019	22:14	20.55	0.2
7/25/2019	22:15	20.52	0.216
7/25/2019	22:16	20.5	0.233
7/25/2019	22:17	20.49	0.276
7/25/2019	22:18	20.48	0.247
7/25/2019	22:19	20.48	0.272
7/25/2019	22:20	20.47	0.339
7/25/2019	22:21	20.47	0.347
7/25/2019	22:22	20.48	0.378
7/25/2019	22:23	20.5	0.35
7/25/2019	22:24	20.52	0.356
7/25/2019	22:25	20.55	0.409
7/25/2019	22:26	20.57	0.332
7/25/2019	22:27	20.59	0.334
7/25/2019	22:28	20.61	0.302
7/25/2019	22:29	20.62	0.279
7/25/2019	22:30	20.63	0.355
7/25/2019	22:31	20.63	0.391
7/25/2019	22:32	20.65	0.411
7/25/2019	22:33	20.65	0.409
7/25/2019	22:34	20.67	0.482
7/25/2019	22:35	20.69	0.403
7/25/2019	22:36	20.72	0.428
7/25/2019	22:37	20.75	0.362
7/25/2019	22:38	20.76	0.248
7/25/2019	22:39	20.76	0.247
7/25/2019	22:40	20.77	0.333
7/25/2019	22:41	20.78	0.25
7/25/2019	22:42	20.79	0.294
7/25/2019	22:43	20.85	0.5
7/25/2019	22:44	20.91	0.537
7/25/2019	22:45	20.94	0.574
7/25/2019	22:46	21	0.623
7/25/2019	22:47	21.07	0.547
7/25/2019	22:48	21.12	0.455
7/25/2019	22:49	21.14	0.47
7/25/2019	22:50	21.13	0.314
7/25/2019	22:51	21.14	0.51
7/25/2019	22:52	21.14	0.418
7/25/2019	22:53	21.12	0.423
7/25/2019	22:54	21.08	0.387
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177.6	135.6704665	20.43
170.2	137.8421902	20.43
169.6	138.1230627	20.42
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157	148.1486618	20.44
143.3	170.9545255	20.47
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138.5	183.4173207	20.51
140.7	177.3320297	20.53
133.6	192.2329492	20.54
127.8	176.6631365	20.55
121.4	163.9624173	20.56
121.5	164.1314071	20.58
120	161.6837847	20.59
115.4	155.2536405	20.62
114.5	154.1690811	20.65
121.7	164.4719393	20.68
106.3	146.5361202	20.71
106.6	146.7497779	20.72
123.7	168.0709172	20.71
119.3	160.6036824	20.72
124.8	170.2080831	20.74
117.6	158.1366964	20.75
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107	147.041908	20.89
97.2	142.1331484	20.93
89.1	141.344545	21
92.1	141.3057907	21.1
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148.5	160.4181218	21.14
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0.526	151.9
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0.469	117.8
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0.495	117.2
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155.4675767	20.68
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185.8042924	20.73
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188.6095808	20.73
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178.0729882	20.71
166.7703272	20.71
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156.3924283	20.71
156.0067	20.73
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156.5223835	20.83
153.5893653	20.84
151.2247092	20.86
150.2462872	20.89
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141.2922309	21.27
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193.2425592	21.32
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0.479	169.8	138.0276292	20.9	0.564	160.8	144.2299319
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0.557	171	137.4928614	20.89	0.773	161.5	143.5986496
0.568	166.6	139.7763685	20.89	0.762	157.6	147.4724086
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0.485	145.5	166.1647422	20.89	0.668	136.9	188.2914027
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0.42	142.1	173.7955882	20.87	0.57	137.5	186.4164902
0.474	137.7	185.8042924	20.85	0.583	131	184.6919171
0.516	131	184.6919171	20.84	0.61	126.9	174.6252563
0.554	125	170.6093072	20.84	0.659	122.6	166.0471971
0.565	124.3	169.2222095	20.84	0.728	118	158.6977847
0.584	123	166.7703272	20.86	0.824	117.3	157.7235069
0.583	118.1	158.8398912	20.89	0.76	114.4	154.0518489
0.599	118.9	160.0036074	20.94	0.861	113	152.4775331
0.479	117.1	157.451638	20.98	0.655	113.1	152.5859038
0.387	116.3	156.3924283	20.98	0.543	111.8	151.2247092
0.371	125.2	171.014516	20.97	0.513	116.8	157.0491672
0.463	119.6	161.0618684	21	0.616	114.5	154.1690811
0.39	119.9	161.5271173	21.03	0.551	112.7	152.156119
0.495	117.6	158.1366964	21.07	0.687	113.4	152.9147416
0.667	113.4	152.9147416	21.17	0.901	106.8	146.8948028
0.798	103.4	144.7048835	21.25	0.888	99.4	142.843816
0.883	98	142.366475	21.28	1.06	94.5	141.5541247
0.974	88.6	141.3887034	21.38	1.011	86	141.7930115
0.827	96.2	141.8813857	21.48	0.854	93	141.3697448
0.665	121.2	163.6269725	21.54	0.837	114.3	153.9352634
0.634	126.6	173.9658487	21.55	0.745	120.9	163.1300876
0.575	139.2	181.4071437	21.52	0.722	132.4	188.6290418
0.722	134.2	194.1193848	21.55	0.882	125.7	172.0452245
0.629	126.3	173.3161361	21.54	0.824	121.1	163.4605101
0.597	122.2	165.3383346	21.47	0.786	119.3	160.6036824
0.576	121.8	164.6434892	21.39	0.662	117.7	158.2758734
0.57	128.3	177.8350956	21.35	0.792	121.3	163.7942737
0.481	135.9	191.5488631	21.31	0.596	127	174.8472386

21.21	0.658	160.3	144.6975271	138.4986185	No
21.15	0.526	177.7	135.6570213	149.2421515	No
21.09	0.47	189.1	136.8445673	159.3225718	No
21.05	0.419	205.7	149.2056183	170.8359661	No
21.02	0.364	212.2	158.5161218	163.8255619	No
21	0.388	198	141.7100752	173.7470391	No
20.99	0.437	178.3	135.5850754	142.844481	No
20.99	0.46	171	137.4928614	136.1737196	No
21.01	0.519	162.1	143.0788632	137.2601355	No
21.04	0.562	160.9	144.1380905	137.9638366	No
21.07	0.597	158.2	146.8183282	139.5429973	No
21.09	0.663	162.8	142.4968525	139.7965494	No
21.08	0.737	166.2	140.0289626	138.4275875	No
21.08	0.825	167.8	139.0645196	137.4574984	No
21.08	0.902	164.8	140.9746448	140.1609441	No
21.07	0.941	162	143.1641434	143.1014396	No
21.04	0.962	158.8	146.1859844	151.7570952	No
21.03	0.976	157.8	147.2519401	149.3482019	No
21.03	0.948	154.3	151.4788997	157.1449832	No
21.03	0.921	147.8	161.6837458	171.1071996	No
21.02	0.788	145.1	166.9973396	178.2215036	Yes
21	0.779	141.9	174.2857928	181.7810935	Yes
20.99	0.761	142.1	173.7955882	181.3420657	Yes
20.96	0.725	143.6	170.2702897	185.9984726	Yes
20.94	0.764	138.5	183.4173207	181.3080836	Yes
20.93	0.846	134.1	193.8009328	172.5124795	No
20.94	0.905	130.3	182.824721	164.8009225	No
20.95	0.925	126.2	173.1016948	161.4990518	No
20.97	0.925	125.4	171.4237479	158.9385437	No
21.01	0.898	122.5	165.8686538	154.4717801	No
21.07	0.98	119.1	160.3021067	157.0951392	No
21.11	0.769	122.3	165.5142265	151.681328	No
21.1	0.65	120.5	162.4791534	150.8133464	No
21.1	0.678	121	163.294883	163.164246	No
21.14	0.732	119.3	160.6036824	157.3559993	No
21.17	0.696	113.2	152.6948941	158.7790072	No
21.22	0.813	115.5	155.3774631	154.8586054	No
21.33	1.108	109	148.6296284	148.7313838	No
21.41	1.258	101.9	143.9189973	144.2877112	No
21.43	1.39	95.6	141.7514553	141.8743531	No
21.53	1.457	90	141.2922309	141.549963	No
21.63	1.185	96.3	141.9045775	141.462288	No
21.69	0.998	117.8	158.4157786	158.2946202	No
21.69	0.959	126.1	172.8883094	171.7466567	No
21.68	0.901	137.8	185.5005447	180.9242166	Yes
21.73	1.101	132.4	188.6290418	181.7208258	Yes
21.71	0.986	126.1	172.8883094	164.4300978	No
21.62	0.919	124.5	169.6136358	161.5020964	No
21.54	0.905	123.1	166.9533691	159.0828866	No
21.5	0.983	124	168.6422867	170.9095019	No
21.47	0.781	130.5	183.3515534	183.4933709	Yes

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7/25/2019	23:01	20.84	0.263
7/25/2019	23:02	20.8	0.263
7/25/2019	23:03	20.75	0.245
7/25/2019	23:04	20.71	0.206
7/25/2019	23:05	20.67	0.137
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7/25/2019	23:07	20.58	0.224
7/25/2019	23:08	20.54	0.246
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7/25/2019	23:10	20.47	0.206
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7/25/2019	23:16	20.26	0.202
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7/25/2019	23:18	20.2	0.2
7/25/2019	23:19	20.16	0.151
7/25/2019	23:20	20.13	0.136
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7/25/2019	23:27	19.91	0.233
7/25/2019	23:28	19.89	0.205
7/25/2019	23:29	19.86	0.212
7/25/2019	23:30	19.83	0.172
7/25/2019	23:31	19.8	0.212
7/25/2019	23:32	19.76	0.197
7/25/2019	23:33	19.73	0.168
7/25/2019	23:34	19.69	0.198
7/25/2019	23:35	19.66	0.221
7/25/2019	23:36	19.63	0.208
7/25/2019	23:37	19.6	0.199
7/25/2019	23:38	19.57	0.194
7/25/2019	23:39	19.56	0.182
7/25/2019	23:40	19.56	0.21
7/25/2019	23:41	19.54	0.228
7/25/2019	23:42	19.51	0.256
7/25/2019	23:43	19.49	0.23
7/25/2019	23:44	19.47	0.24
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7/25/2019	23:46	19.43	0.148
7/25/2019	23:47	19.42	0.152

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161.5	143.5986496	20.94
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144	169.3736382	20.8
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208	152.1495751	20.69
207.7	151.7450728	20.64
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232.3	180.7691609	20.55
238	168.2604307	20.5
236.4	171.4237479	20.46
226	191.884056	20.43
221.7	178.9252109	20.39
207.2	151.0848301	20.36
207.5	151.4788997	20.32
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186.9	136.1915717	20.24
190.4	137.328883	20.2
183.1	135.5454083	20.16
176.8	135.7930238	20.12
172	137.0961561	20.09
189.1	136.8445673	20.05
189.2	136.8792016	20.02
181.1	135.4463252	19.98
181.7	135.458704	19.94
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171.9	137.1338452	19.87
164.7	141.0459134	19.84
158.2	146.8183282	19.81
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208.5	152.8379067	19.65
202	145.1792559	19.61
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211.5	157.3589946	19.5
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218	169.8197457	19.49
228.2	192.2329492	19.51
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222	179.7400211	19.46

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0.436	150	157.8499471	21.02	0.549	140.8	177.0711342
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0.338	185.5	135.8831963	20.57	0.466	176.3	135.8831963
0.355	179.3	135.4983288	20.54	0.446	172.6	136.8792016
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0.318	179	135.5200067	20.44	0.444	166.7	139.7144254
0.305	170.1	137.8878733	20.4	0.405	160.1	144.8885107
0.299	172.6	136.8792016	20.37	0.408	159.7	145.2773166
0.285	180.1	135.458704	20.34	0.411	168.4	138.734051
0.295	181.7	135.458704	20.3	0.388	170.5	137.7078372
0.307	171	137.4928614	20.27	0.45	161.5	143.5986496
0.415	174	136.4336422	20.24	0.537	161.8	143.3363204
0.424	166.1	140.0933217	20.23	0.594	156.9	148.2635581
0.442	165.2	140.6945686	20.21	0.584	154.2	151.6116385
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21.19	0.665	148.9	159.7144084	154.5685322	No
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21.07	0.672	153.5	152.5604335	142.9622415	No
21.02	0.636	171.1	137.4512019	140.5774143	No
20.97	0.564	177.1	135.7439374	140.2423651	No
20.91	0.506	171.4	137.328883	140.7472931	No
20.86	0.408	179.8	135.4704656	149.8099313	No
20.81	0.442	191.8	137.9340071	156.6716667	No
20.77	0.517	199.7	143.0788632	157.3222866	No
20.74	0.543	194.4	139.2942101	157.6844268	No
20.71	0.57	191	137.577514	149.2215009	No
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20.63	0.619	173.9	136.4626721	136.4257368	No
20.6	0.607	171.8	137.171973	136.3236893	No
20.58	0.557	170.3	137.796957	136.9260865	No
20.55	0.561	169.1	138.3696112	136.9235278	No
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20.49	0.564	165.2	140.6945686	140.712831	No
20.45	0.526	171.7	137.21054	136.6258636	No
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20.38	0.715	162.3	142.9099119	138.4509403	No
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20.37	0.771	155.8	149.5695304	143.8550033	No
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20.35	0.783	145.2	166.7876462	156.1739136	No
20.34	0.795	146.5	164.1537804	153.9856842	No
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20.3	0.683	155.6	149.8154124	140.9419866	No
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20.22	0.633	171.2	137.4099861	141.4958818	No
20.21	0.62	169	138.4202926	139.3327854	No
20.19	0.602	172.2	137.0220917	142.638736	No
20.18	0.565	170.8	137.577514	141.1667105	No
20.17	0.557	172.6	136.8792016	144.0363649	No
20.17	0.565	171.1	137.4512019	144.6031951	No
20.17	0.552	173.6	136.5523328	147.2077595	No
20.16	0.519	181.6	135.4556091	156.8254604	No
20.15	0.487	191.6	137.8421902	177.30068	Yes
20.16	0.526	205.4	148.8475437	173.0137	No
20.17	0.504	207.9	152.0140384	166.9048548	No
20.2	0.526	212.4	158.8542338	164.1536953	No
20.22	0.556	211.2	156.8753741	166.0035638	No
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20.23	0.623	186.4	136.0719483	160.7855777	No
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7/25/2019	23:49	19.39	0.202
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7/25/2019	23:52	19.35	0.228
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7/25/2019	23:54	19.37	0.173
7/25/2019	23:55	19.36	0.193
7/25/2019	23:56	19.35	0.22
7/25/2019	23:57	19.35	0.216
7/25/2019	23:58	19.33	0.167
7/25/2019	23:59	19.3	0.163
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7/26/2019	0:02	19.24	0.121
7/26/2019	0:03	19.23	0.149
7/26/2019	0:04	19.21	0.145
7/26/2019	0:05	19.18	0.171
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7/26/2019	0:21	18.88	0.088
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0.426	122.9	166.5881931	19.63	0.587	120.8	162.9661204
0.407	132	187.4756675	19.53	0.612	128	177.1284437
0.332	144.9	167.4198452	19.46	0.517	139	181.9742025
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0.278	169.7	138.0751192	19.35	0.44	154.6	151.0848301
0.262	179.7	135.475212	19.33	0.425	159.9	145.0817692
0.254	185.8	135.9423289	19.3	0.403	170.1	137.8878733
0.307	183.7	135.6073966	19.27	0.485	167.8	139.0645196
0.363	178.7	135.5454083	19.26	0.564	164.9	140.9038772
0.391	168.1	138.8971847	19.28	0.615	159	145.9799608
0.451	169.3	138.2696225	19.29	0.672	159.9	145.0817692
0.503	168.5	138.6806025	19.31	0.715	159.7	145.2773166
0.547	169	138.4202926	19.33	0.79	160.4	144.6028841
0.527	170.4	137.7521729	19.37	0.761	160.4	144.6028841
0.496	170	137.9340071	19.37	0.723	160.8	144.2299319
0.451	170	137.9340071	19.37	0.659	160.4	144.6028841
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0.423	179.9	135.4661321	19.31	0.605	171.8	137.171973
0.372	174.2	136.3768654	19.26	0.523	170.9	137.5349652
0.377	177.7	135.6570213	19.22	0.556	175.9	135.9628798
0.368	172.5	136.9142707	19.18	0.533	173.9	136.4626721
0.429	169.6	138.1230627	19.15	0.592	170.5	137.7078372
0.424	157.6	147.4724086	19.12	0.591	161.8	143.3363204

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20.23	0.665	173.6	136.5523328	138.3245848	No
20.28	0.664	166.2	140.0289626	137.1979914	No
20.35	0.689	154.3	151.4788997	150.8035354	No
20.38	0.717	154.1	151.7450728	153.8599526	No
20.44	0.713	152.8	153.5442409	150.8201801	No
20.47	0.706	154.7	150.9548471	147.7094797	No
20.48	0.748	159	145.9799608	142.4125215	No
20.49	0.752	158.6	146.3943767	146.672486	No
20.48	0.754	159.7	145.2773166	144.0835729	No
20.47	0.75	163	142.3353263	139.1976507	No
20.43	0.74	175.1	136.1424529	136.4966934	No
20.41	0.607	185.6	135.9024875	136.502589	No
20.4	0.518	196.1	140.355632	159.2803566	No
20.39	0.5	203.4	146.6051528	165.2239465	No
20.38	0.557	190.8	137.4928614	148.4159575	No
20.37	0.634	173.4	136.6142539	136.085169	No
20.42	0.718	159.5	145.4751667	149.2312417	No
20.47	0.775	152.7	153.6876994	170.3118648	No
20.51	0.752	149.5	158.684756	176.7238575	Yes
20.55	0.8	145.8	165.5509953	175.5576408	Yes
20.56	0.891	141.9	174.2857928	182.869182	Yes
20.55	0.994	138.7	182.8356637	179.9654876	Yes
20.45	1.097	131.8	186.9076557	170.7705935	No
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20.14	0.979	127.9	176.8952147	171.842674	No
20.01	0.915	126.9	174.6252563	164.7224733	No
19.9	0.924	134.1	193.8009328	172.0333954	No
19.83	0.801	139.5	180.5672593	169.6550476	No
19.75	0.731	145.4	166.3713526	152.499308	No
19.71	0.735	150.5	157.0357721	146.1030997	No
19.69	0.716	151.5	155.4675767	146.7573095	No
19.69	0.657	153.7	152.2858181	140.7969096	No
19.65	0.611	160	144.9848547	140.5183673	No
19.63	0.565	165.2	140.6945686	139.5811756	No
19.6	0.612	170	137.9340071	136.7677811	No
19.61	0.707	166.2	140.0289626	137.1491942	No
19.64	0.74	164.9	140.9038772	143.0224904	No
19.67	0.824	168.6	138.6276173	141.6390339	No
19.72	0.878	167.5	139.23608	140.9170556	No
19.76	0.971	166.5	139.8387928	141.1797999	No
19.81	0.95	165.5	140.4897269	141.0042115	No
19.82	0.878	166.3	139.9650888	140.2335757	No
19.82	0.854	167.6	139.1784222	140.4146791	No
19.79	0.787	173.4	136.6142539	136.6918337	No
19.72	0.804	180.2	135.4556091	136.2807504	No
19.65	0.716	183.9	135.6313781	137.872111	No
19.59	0.762	189.5	136.9857152	135.9981325	No
19.53	0.697	186.3	136.0492916	139.0058682	No
19.47	0.746	181.5	135.452927	140.8186261	No
19.42	0.744	170.7	137.6205085	152.2958553	No

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7/26/2019	0:43	18.58	0.238
7/26/2019	0:44	18.57	0.238
7/26/2019	0:45	18.57	0.22
7/26/2019	0:46	18.57	0.21
7/26/2019	0:47	18.56	0.217
7/26/2019	0:48	18.56	0.206
7/26/2019	0:49	18.55	0.233
7/26/2019	0:50	18.53	0.162
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7/26/2019	1:26	18.26	0.249
7/26/2019	1:27	18.26	0.284
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0.215	173.9
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0.255	178.5
0.314	175
0.293	171.6
0.301	179.7
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0.322	190.4
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0.408	189.6
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0.472	182.7
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0.221	178.1	135.6073966	18.83	0.35	180.9	135.4455
0.19	174.7	136.2423866	18.8	0.291	179	135.5200067
0.219	164.4	141.262737	18.77	0.301	171.9	137.1338452
0.245	164.2	141.4098131	18.74	0.351	170	137.9340071
0.19	162.2	142.9941199	18.71	0.302	172.7	136.8445673
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0.279	178	135.6191797	18.66	0.38	179	135.5200067
0.333	180.2	135.4556091	18.64	0.444	180.6	135.4473567
0.351	184.7	135.7439374	18.64	0.501	181.3	135.4488008
0.429	185	135.7930238	18.63	0.596	181.6	135.4556091
0.459	181	135.4457063	18.63	0.641	179	135.5200067
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19.34	0.929	160.4	144.6028841	159.5513027	No
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19.26	0.943	155.7	149.6921424	164.5351029	No
19.21	0.967	148.3	160.7752562	179.1930033	Yes
19.18	0.928	143.9	169.5961403	185.3303086	Yes
19.17	0.899	143.4	170.7253164	175.2463991	Yes
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19.16	0.985	139.8	179.7400211	181.0447892	Yes
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19.3	0.964	142	174.0400802	150.2831439	No
19.32	0.865	145.8	165.5509953	142.293896	No
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19.28	0.619	159.2	145.7762909	138.4875258	No
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19.1	0.567	196.5	140.6257933	137.3653458	No
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18.81	0.591	194.4	139.2942101	135.7255413	No
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18.82	0.825	190.5	137.3692134	135.8890782	No
18.84	0.865	189.4	136.949775	135.6478044	No
18.86	0.803	189.4	136.949775	136.0764356	No
18.89	0.785	195.6	140.0289626	135.7277044	No
18.91	0.79	197.1	141.0459134	136.5352683	No
18.93	0.869	198.8	142.3353263	140.3251463	No
18.94	0.9	196.3	140.4897269	136.3976581	No
18.95	0.972	195.1	139.7144254	138.577276	No
18.96	0.976	191.6	137.8421902	136.0184675	No
18.95	0.979	190.3	137.2889944	136.1490725	No
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18.93	1.045	189.5	136.9857152	136.7350979	No
18.93	0.978	189.6	137.0220917	136.2390223	No
18.91	0.888	188.7	136.7103661	136.3277817	No
18.9	0.86	188.1	136.5220169	135.6671551	No
18.88	0.865	185.7	135.9221983	136.6274542	No
18.87	0.905	190.4	137.328883	136.8882116	No
18.87	0.762	195.5	139.9650888	137.7789467	No
18.89	0.782	194	139.0645196	136.5009895	No

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7/26/2019	1:34	18.38	0.317
7/26/2019	1:35	18.4	0.349
7/26/2019	1:36	18.44	0.417
7/26/2019	1:37	18.48	0.448
7/26/2019	1:38	18.51	0.528
7/26/2019	1:39	18.54	0.479
7/26/2019	1:40	18.56	0.337
7/26/2019	1:41	18.58	0.388
7/26/2019	1:42	18.61	0.458
7/26/2019	1:43	18.63	0.422
7/26/2019	1:44	18.66	0.388
7/26/2019	1:45	18.69	0.39
7/26/2019	1:46	18.73	0.415
7/26/2019	1:47	18.76	0.397
7/26/2019	1:48	18.8	0.36
7/26/2019	1:49	18.84	0.364
7/26/2019	1:50	18.88	0.335
7/26/2019	1:51	18.92	0.311
7/26/2019	1:52	18.95	0.309
7/26/2019	1:53	18.97	0.268
7/26/2019	1:54	18.99	0.347
7/26/2019	1:55	19.01	0.313
7/26/2019	1:56	19.02	0.293
7/26/2019	1:57	19.04	0.394
7/26/2019	1:58	19.07	0.412
7/26/2019	1:59	19.1	0.28
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7/26/2019	2:01	19.1	0.157
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7/26/2019	2:07	19.07	0.171
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7/26/2019	2:17	18.97	0.103
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7/26/2019	2:20	18.94	0.053

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193.1	138.5750946	18.4
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179	135.5200067	18.61
173.1	136.7103661	18.63
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152	154.712722	18.86
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159.9	145.0817692	18.94
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148.2	160.955157	19.03
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0.528	187.2
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0.299	141
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0.335	130
0.315	144.3
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0.342	166.4
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150.2462872	19.18
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150.437296	19.09
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0.611	144.3	168.7126952	19.27	0.772	141.8	174.5327325
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0.578	151.1	156.0853794	19.31	0.819	144.3	168.7126952
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0.374	146.6	163.9580918	19.36	0.522	140.5	177.8577632
0.303	168	138.952495	19.37	0.399	152	154.712722
0.264	172.9	136.7766005	19.37	0.348	158.6	146.3943767
0.207	180.1	135.458704	19.35	0.283	168.3	138.7879636
0.246	158.1	146.9258206	19.34	0.333	147.5	162.2397397
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0.454	139.1	181.6899539	19.37	0.624	131.2	185.2375331
0.428	149.7	158.3483275	19.37	0.613	138.7	182.8356637
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0.514	166.7	139.7144254	19.36	0.68	151.7	155.1633342
0.399	173.9	136.4626721	19.36	0.561	162.2	142.9941199
0.354	152.5	153.9768314	19.33	0.54	150.1	157.6854758
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0.26	130.5	183.3515534	19.24	0.369	131.6	186.3453391
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0.14	140.6	177.5942369	19.17	0.21	129.9	181.7867003

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18.9	0.779	192.6	138.3193881	135.6161986	No
18.91	0.824	192.1	138.0751192	136.3248593	No
18.93	0.814	196.4	140.557513	137.1729272	No
18.94	0.903	197.4	141.262737	137.0064596	No
18.98	1.045	196.7	140.7638403	137.0630338	No
19.02	1.088	195.2	139.7763685	136.8308098	No
19.04	1.097	189.6	137.0220917	135.9348559	No
19.06	1.202	182.3	135.4859439	136.4483482	No
19.08	1.157	181.8	135.4622116	136.3177373	No
19.1	1.004	180.2	135.4556091	136.0584458	No
19.12	1.041	178.6	135.5547035	136.6383685	No
19.14	1.078	176.1	135.9221983	137.13677	No
19.17	1.018	175.7	136.0052434	137.7180242	No
19.19	0.932	171.3	137.3692134	139.915864	No
19.22	1.062	164.3	141.3360215	145.8861255	No
19.26	1.07	157.2	147.9207527	148.7327155	No
19.27	1.094	157.4	147.6953406	154.446688	No
19.28	1.066	148.7	160.0645165	165.4779522	No
19.3	1.117	145.1	166.9973396	173.9794288	No
19.32	1.055	146.1	164.946271	172.5185492	No
19.33	1.01	146.7	163.7633675	171.1621259	No
19.35	0.904	146.3	164.548069	175.3946954	Yes
19.37	0.872	142.2	173.55231	176.3453312	Yes
19.38	0.941	146.3	164.548069	161.3282495	No
19.39	0.956	146.8	163.5696028	161.6651575	No
19.41	0.968	149	159.540656	166.3769743	No
19.42	1.124	144.9	167.4198452	171.5544296	No
19.43	1.195	136	191.2154206	183.073954	Yes
19.41	0.846	138.9	182.2598979	180.2480825	Yes
19.41	0.576	140	179.1954466	174.7936933	No
19.42	0.68	141.2	176.0405229	165.1519324	No
19.46	0.707	145.4	166.3713526	165.7666577	No
19.48	0.616	154.9	150.6969261	142.4189143	No
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19.48	0.389	163.5	141.9406579	136.8216935	No
19.47	0.423	149.9	158.0152438	158.4686147	No
19.46	0.576	131.6	186.3453391	166.9298247	No
19.47	0.717	131.2	185.2375331	175.3626337	Yes
19.49	0.748	134.1	193.8009328	175.5225038	Yes
19.51	0.771	139.8	179.7400211	162.8451998	No
19.53	0.783	148.1	161.1359522	143.0610258	No
19.53	0.875	153.7	152.2858181	142.5649575	No
19.54	0.777	155.5	149.9393426	138.4280508	No
19.52	0.732	150.2	157.5218261	157.8342073	No
19.47	0.544	138.2	184.3010071	164.5597396	No
19.41	0.562	134.1	193.8009328	158.1775655	No
19.38	0.535	136.8	188.6095808	176.7214499	Yes
19.35	0.5	122	164.9891752	146.9092768	No
19.31	0.497	120.6	162.6406568	149.9343425	No
19.29	0.452	129.9	181.7867003	171.165171	No

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7/26/2019	2:30	18.94	0.162
7/26/2019	2:31	18.95	0.143
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7/26/2019	2:51	19.03	0.35
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7/26/2019	2:58	19.07	0.415
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7/26/2019	3:00	19.07	0.438
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7/26/2019	3:10	19.08	0.799
7/26/2019	3:11	19.09	0.663

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142.1	173.7955882	18.79
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171.4	137.328883	18.97
187.5	136.3491176	18.97
181.1	135.4463252	18.97
166.4	139.9016992	18.96
162.9	142.4158267	18.96
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172	137.0961561	18.95
180.9	135.4455	18.95
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176	135.9423289	18.94
170.6	137.6639493	18.94
166.3	139.9650888	18.95
173	136.743267	18.95
176.1	135.9221983	18.96
169.4	138.2203136	18.97
168.8	138.5230334	18.97
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156.4	148.8475437	18.99
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160.3	144.6975271	19.01
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153.8	152.1495751	19.02
158.1	146.9258206	19.03
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152.8	153.5442409	19.04
154.9	150.6969261	19.04
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19.35	0.711	125.1	170.8114111	172.7788414	No
19.37	0.761	125.9	172.4646859	162.5389585	No
19.4	0.701	125.2	171.014516	163.1613308	No
19.42	0.686	123.3	167.3221929	153.9301406	No
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19.48	0.66	131	184.6919171	172.5947296	No
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19.56	0.671	149.6	158.5161218	151.4524318	No
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7/26/2019	4:59	18.51	0.601
7/26/2019	5:00	18.53	0.583
7/26/2019	5:01	18.54	0.439
7/26/2019	5:02	18.56	0.52
7/26/2019	5:03	18.57	0.52
7/26/2019	5:04	18.59	0.627
7/26/2019	5:05	18.61	0.517
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7/26/2019	5:08	18.65	0.544
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7/26/2019	5:11	18.7	0.487
7/26/2019	5:12	18.72	0.498
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7/26/2019	5:15	18.76	0.631
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7/26/2019	5:17	18.78	0.457
7/26/2019	5:18	18.79	0.475
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1.085	177.2	135.7284098	19.12	1.304	171.2	137.4099861
1.038	173.5	136.5830783	19.12	1.197	168.6	138.6276173
1.113	172.9	136.7766005	19.12	1.193	170.3	137.796957
1.042	176.6	135.8278372	19.11	1.224	174.6	136.2684311
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1.168	170.7	137.6205085	19.13	1.346	165.4	140.557513
1.057	172.1	137.0589052	19.14	1.318	167.9	139.008273
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1.154	165.6	140.4224336	19.15	1.24	160.7	144.3223303
1.026	167.2	139.411891	19.16	1.231	161.2	143.8658923
1.133	164.8	140.9746448	19.16	1.382	160.6	144.4152874
1.188	167.1	139.4714437	19.17	1.389	164.9	140.9038772
1.186	173.1	136.7103661	19.19	1.422	165.8	140.2893212
1.175	172.1	137.0589052	19.2	1.392	165.5	140.4897269
1.164	174.6	136.2684311	19.21	1.331	169.7	138.0751192
1.108	179.7	135.475212	19.22	1.346	171.4	137.328883
0.921	180.6	135.4473567	19.22	1.212	172.9	136.7766005
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1.298	178.3	135.5850754	19.23	1.389	170.6	137.6639493
1.23	175.3	136.0950271	19.25	1.342	167.9	139.008273
1.101	177.4	135.6986053	19.27	1.429	168.9	138.471433
1.023	177.4	135.6986053	19.28	1.224	171.7	137.21054
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1.129	188.2	136.5523328	19.29	1.293	181	135.4457063
1.1	192.7	138.3696112	19.31	1.43	185.6	135.9024875
1.102	189.4	136.949775	19.31	1.267	184.7	135.7439374
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1.003	197.5	141.3360215	19.32	1.207	190.7	137.4512019
1.048	200.1	143.4232201	19.31	1.221	190.1	137.21054
0.979	198.2	141.8632814	19.3	1.191	189.3	136.9142707
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1.146	191.9	137.9805921	19.26	1.345	185.7	135.9221983
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1.26	187.4	136.3217962	19.25	1.524	178.7	135.5454083
1.199	183.8	135.6191797	19.25	1.418	177	135.759882
1.148	183.1	135.5454083	19.25	1.257	179.1	135.5123672
1.22	187	136.2167669	19.25	1.549	176.7	135.8102214
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19.16	1.34	176.7	135.8102214	137.339225	No
19.15	1.403	182.1	135.475212	136.0725482	No
19.15	1.389	176.3	135.8831963	137.2611482	No
19.14	1.323	180	135.4622116	137.2296956	No
19.15	1.412	181	135.4457063	136.8930101	No
19.16	1.294	176.7	135.8102214	136.8691134	No
19.15	1.419	176.7	135.8102214	137.0466543	No
19.17	1.432	175.2	136.1185285	139.5593252	No
19.18	1.367	173.6	136.5523328	137.928694	No
19.19	1.378	171.1	137.4512019	139.7960705	No
19.19	1.418	165.8	140.2893212	143.3748949	No
19.2	1.311	167.1	139.4714437	142.2464378	No
19.2	1.459	167.6	139.1784222	143.7652373	No
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19.24	1.551	173	136.743267	138.5707897	No
19.26	1.443	174.6	136.2684311	137.7594779	No
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19.25	1.332	174.9	136.1915717	138.0189149	No
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7/26/2019	8:39	20.81	0.755
7/26/2019	8:40	20.82	1.015
7/26/2019	8:41	20.83	1.003
7/26/2019	8:42	20.84	0.761
7/26/2019	8:43	20.86	0.762
7/26/2019	8:44	20.88	0.753
7/26/2019	8:45	20.9	0.789
7/26/2019	8:46	20.92	0.767
7/26/2019	8:47	20.95	1.061
7/26/2019	8:48	20.98	0.937
7/26/2019	8:49	21.01	0.91
7/26/2019	8:50	21.04	0.74
7/26/2019	8:51	21.08	0.665
7/26/2019	8:52	21.12	0.948
7/26/2019	8:53	21.15	1.051
7/26/2019	8:54	21.19	0.983
7/26/2019	8:55	21.22	0.969
7/26/2019	8:56	21.24	1.034
7/26/2019	8:57	21.26	0.925
7/26/2019	8:58	21.29	1.049
7/26/2019	8:59	21.3	0.816
7/26/2019	9:00	21.33	0.63
7/26/2019	9:01	21.35	0.882
7/26/2019	9:02	21.37	0.839
7/26/2019	9:03	21.4	0.646
7/26/2019	9:04	21.42	0.84
7/26/2019	9:05	21.46	0.8
7/26/2019	9:06	21.49	1.032
7/26/2019	9:07	21.53	0.826
7/26/2019	9:08	21.59	0.827

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184.9	135.7762441	20.73
194.2	139.1784222	20.76
184.4	135.6986053	20.79
192.8	138.4202926	20.81
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192	138.0276292	20.83
190	137.171973	20.85
191.7	137.8878733	20.86
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188.4	136.6142539	20.88
183.6	135.5960285	20.88
192.3	138.1714606	20.88
190	137.171973	20.88
192.6	138.3193881	20.88
193.7	138.8971847	20.89
184.5	135.7132992	20.89
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192.2	138.1230627	20.94
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1.35	181.7
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1.213	188.1
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1.143	186
1.414	183.6
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1.717	181.5	135.452927	20.67	2.024	173.2	136.6778973
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1.48	188.4	136.6142539	20.71	1.852	182.3	135.4859439
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1.511	185.7	135.9221983	20.73	1.679	179.3	135.4983288
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1.333	183.6	135.5960285	20.74	1.546	179.7	135.475212
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1.422	183.8	135.6191797	20.79	1.874	179.1	135.5123672
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1.569	185.7	135.9221983	20.82	1.932	180.1	135.458704
1.36	190.5	137.3692134	20.83	1.676	186.9	136.1915717
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1.488	198.9	142.4158267	20.89	1.908	192.2	138.1230627
1.783	184.6	135.7284098	20.93	2.129	179.7	135.475212
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1.713	194.6	139.411891	21.2	1.879	190.2	137.249547
1.818	196.4	140.557513	21.21	2.044	192.7	138.3696112
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1.42	199.6	142.9941199	21.26	1.854	194.7	139.4714437
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1.698	195.5	139.9650888	21.33	1.986	188.9	136.7766005
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20.68	2.21	182.1	135.475212	136.1879089	No
20.7	1.796	194	139.0645196	136.5394787	No
20.71	1.525	193.3	138.6806025	136.0740232	No
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20.77	2.055	190.1	137.21054	135.6228777	No
20.78	2.158	189.5	136.9857152	136.406694	No
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20.83	2.393	192.8	138.4202926	137.0335022	No
20.84	2.173	191	137.577514	136.2489737	No
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20.99	2.067	197	140.9746448	137.4002807	No
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21.05	2.021	196.3	140.4897269	137.4358174	No
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21.21	2.288	197.7	141.484113	139.9996935	No
21.23	2.319	200.8	144.0468045	141.1477647	No
21.23	2.223	202.5	145.6753339	139.9012884	No
21.26	2.493	204	147.2519401	144.668314	No
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21.34	2.246	198.5	142.096964	140.3390949	No
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21.38	2.197	203.6	146.8183282	140.87444	No
21.4	2.165	199.1	142.5784051	137.3331526	No
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21.48	2.032	200.5	143.7762629	139.1026766	No
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7/26/2019	9:11	21.71	1.119
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7/26/2019	9:13	21.74	0.899
7/26/2019	9:14	21.77	0.932
7/26/2019	9:15	21.81	1.083
7/26/2019	9:16	21.83	0.782
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7/26/2019	9:18	21.94	0.932
7/26/2019	9:19	22	0.836
7/26/2019	9:20	22.04	1.153
7/26/2019	9:21	22.06	0.975
7/26/2019	9:22	22.09	0.836
7/26/2019	9:23	22.12	1.063
7/26/2019	9:24	22.14	0.83
7/26/2019	9:25	22.17	0.926
7/26/2019	9:26	22.21	0.956
7/26/2019	9:27	22.26	0.956
7/26/2019	9:28	22.31	0.785
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7/26/2019	9:31	22.57	0.902
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7/26/2019	9:40	23.19	0.813
7/26/2019	9:41	23.3	0.809
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7/26/2019	9:49	24.08	0.652
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212.9	159.7144084	22.77
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24.92	2.407	207.4	151.3468538	150.338839	No
25.01	1.84	205.2	148.6120398	151.1242365	No
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24.87	2.854	228.3	191.9241395	183.5211251	Yes
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24.86	2.621	216.2	165.9591491	168.6420363	No
24.8	2.141	225.9	191.5488631	179.2499048	Yes
24.78	2.314	223.7	184.5985921	178.3817635	Yes
24.78	2.495	227.1	195.6900033	185.8985434	Yes
24.81	2.472	214.6	162.8040494	149.6411792	No
24.83	1.584	225.8	191.2154206	177.3858841	Yes
24.82	2.598	218.4	170.7253164	170.2682581	No
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24.8	2.485	204.1	147.3618674	143.1272281	No
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25.14	2.287	206.4	150.0639356	149.8473437	No
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25.36	1.883	203.3	146.4994658	151.0345694	No
25.51	1.995	224.9	188.2914027	182.1850733	Yes
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25.95	2.57	234.8	174.8472386	177.9890526	Yes
25.97	2.592	230.7	184.9640411	181.7843608	Yes
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26.46	2.562	229.9	187.1909456	187.2956913	Yes
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26.74	3.216	206.7	150.441715	146.5086702	No
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7/26/2019	12:15	28.24	1.039
7/26/2019	12:16	28.37	0.78
7/26/2019	12:17	28.55	1.176
7/26/2019	12:18	28.66	1.15
7/26/2019	12:19	28.67	1.438
7/26/2019	12:20	28.57	1.361
7/26/2019	12:21	28.64	0.899
7/26/2019	12:22	28.8	1.032
7/26/2019	12:23	28.86	1.353
7/26/2019	12:24	28.82	1.397
7/26/2019	12:25	28.84	1.083
7/26/2019	12:26	28.93	1.391
7/26/2019	12:27	28.87	1.108
7/26/2019	12:28	28.64	0.866
7/26/2019	12:29	28.64	1.022
7/26/2019	12:30	28.62	1.632
7/26/2019	12:31	28.61	1.058
7/26/2019	12:32	28.69	0.798

230.7	184.9640411	27.91
213.1	160.0645165	28.01
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200.6	143.8658923	28.06
207.7	151.7450728	28.15
211.4	157.1969778	28.04
185.6	135.9024875	28.11
205.3	148.729472	28.15
202.6	145.7762909	28.17
208.4	152.6988115	28.33
205.4	148.8475437	28.49
237.7	168.8346381	28.52
218.4	170.7253164	28.45
194.6	139.411891	28.55
185	135.7930238	28.59
201.1	144.3223303	28.6
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185.8	135.9423289	28.69
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204.4	147.6953406	28.6
215.7	164.946271	28.49
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199	142.4968525	28.47
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218.5	170.9545255	28.51
223.5	184.0049395	28.32
226.9	194.9814553	28.2
220.1	174.7809062	28.28
202.6	145.7762909	28.36
199	142.4968525	28.53
189.5	136.9857152	28.77
197	140.9746448	28.9
203.4	146.6051528	28.92
217.8	169.3736382	28.81
204.5	147.8077356	28.89
193.3	138.6806025	29.07
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182.5	135.4983288	29.12
187.9	136.4626721	29.23
198	141.7100752	29.16
174.8	136.2167669	28.88
186.9	136.1915717	28.89
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200.6	143.8658923	28.85
211.9	158.0152438	28.96

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1.243	201
1.577	187.4
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2.64	206.1	149.6921424	27.34	3.208	197.3	141.1899582
2.536	203.4	146.6051528	27.19	3.097	196.7	140.7638403
1.976	197.2	141.1176841	27.29	2.242	190.7	137.4512019
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2.262	192.7	138.3696112	27.35	2.771	184.3	135.6843278
2.454	203.3	146.4994658	27.36	2.847	196.3	140.4897269
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1.44	204.2	147.4724086	27.59	1.976	204.1	147.3618674
1.857	203.7	146.9258206	27.75	2.074	197.4	141.262737
1.555	232.2	181.0216499	27.81	2.009	228.6	191.0071128
1.363	212.2	158.5161218	27.86	1.712	209.5	154.2689366
2.267	191.1	137.6205085	27.86	2.815	184	135.6439919
2.267	187.9	136.4626721	27.83	2.914	181.1	135.4463252
1.882	196.7	140.7638403	27.8	2.689	190.2	137.249547
1.885	193.8	138.952495	27.79	2.363	187.6	136.3768654
2.589	183.1	135.5454083	27.85	2.84	175.2	136.1185285
2.615	193	138.5230334	27.81	3.358	184.3	135.6843278
2.505	202.3	145.4751667	27.77	2.929	197.5	141.3360215
1.928	214.3	162.2397397	27.69	2.394	211.6	157.5218261
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1.975	197.3	141.1899582	27.71	2.491	190.1	137.21054
2.068	196.1	140.355632	27.7	2.723	190.2	137.249547
1.741	206.3	149.9393426	27.81	2.177	202.5	145.6753339
1.774	219.6	173.55231	28.03	2.252	215.9	165.3484246
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2.211	217.7	169.1522337	27.72	3.067	211.8	157.8499471
2.158	222.4	180.8458047	27.66	2.643	218	169.8197457
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2.208	180.6	135.4473567	28.15	2.728	174.6	136.2684311
2.108	199	142.4968525	28.22	2.499	191.3	137.7078372
2.596	202.4	145.5749597	28.11	2.998	195.2	139.7763685
2.13	208.7	153.1182603	28	2.545	201.1	144.3223303
1.43	200.8	144.0468045	28.11	1.814	199.2	142.6604859
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27.26	2.543	213.1	160.0645165	156.112856	No
27.24	2.938	213.1	160.0645165	158.4357065	No
27.16	3.674	204.9	148.2635581	146.9781929	No
27.03	3.679	203.8	147.0339187	144.0309522	No
27.14	2.932	198.9	142.4158267	139.9611911	No
27.15	3.637	205.9	149.4475739	146.4484476	No
27.04	3	209.7	154.5640391	151.997314	No
27.19	3.539	193.5	138.7879636	136.441662	No
27.2	3.451	202.9	146.0826775	143.5604245	No
27.18	2.326	204.8	148.1486618	145.0010863	No
27.45	2.196	207.5	151.4788997	148.1053995	No
27.6	2.618	200	143.3363204	144.4326675	No
27.66	2.163	230.4	185.7886529	180.856668	Yes
27.68	1.892	213.1	160.0645165	160.8061958	No
27.67	3.256	193.3	138.6806025	137.0833532	No
27.69	3.438	187.8	136.4336422	135.7943083	No
27.66	2.967	196.3	140.4897269	139.8673907	No
27.66	2.912	195.6	140.0289626	137.2982903	No
27.71	3.787	183.9	135.6313781	135.809411	No
27.67	3.982	192.3	138.1714606	136.6149489	No
27.63	3.619	203.5	146.7114396	144.1117967	No
27.52	2.885	214	161.6837458	161.0621232	No
27.53	3.405	205	148.379085	147.2527432	No
27.59	2.897	197.3	141.1899582	139.6187162	No
27.58	3.102	195.9	140.2234999	139.938477	No
27.7	2.56	208.4	152.6988115	150.8559629	No
27.9	2.674	218.8	171.6490075	171.7405103	No
27.66	3.163	206.8	150.5689831	148.3346263	No
27.57	3.408	218.2	170.2702897	164.4177787	No
27.5	3.047	221.5	178.3888034	175.7369925	Yes
27.44	2.678	217	167.6326681	173.040375	No
27.52	2.7	213.9	161.5002424	160.7058368	No
27.62	2.972	203.7	146.9258206	143.52371	No
27.79	2.599	194.2	139.1784222	138.429936	No
28.04	3.489	184.4	135.6986053	136.1933628	No
28.12	3.16	199.7	143.0788632	139.925592	No
27.98	3.75	202.2	145.3759529	142.7981403	No
27.9	3.051	207.4	151.3468538	152.4520872	No
28.01	2.136	204.1	147.3618674	144.6862395	No
28.23	2.56	191.2	137.6639493	137.3788016	No
28.23	3.636	174	136.4336422	139.3186013	No
28.11	3.996	196.7	140.7638403	138.8207278	No
28.21	3.028	186.8	136.1668004	135.5359561	No
28.3	3.521	192.6	138.3193881	136.3546693	No
28.12	3.516	196.5	140.6257933	138.9376704	No
27.84	2.484	178.1	135.6073966	136.1226649	No
27.93	3.022	195.3	139.8387928	137.0450514	No
27.98	4.298	186.2	136.0270567	135.7125952	No
28.04	3.04	197.6	141.4098131	140.1593888	No
28.16	2.44	208.7	153.1182603	150.3329905	No

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7/26/2019	12:35	28.94	0.849
7/26/2019	12:36	28.99	1.114
7/26/2019	12:37	29	1.166
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7/26/2019	12:39	28.88	1.748
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7/26/2019	12:41	28.73	1.568
7/26/2019	12:42	28.66	1.318
7/26/2019	12:43	28.73	1.203
7/26/2019	12:44	28.81	1.457
7/26/2019	12:45	28.77	1.311
7/26/2019	12:46	28.68	1.088
7/26/2019	12:47	28.58	1.032
7/26/2019	12:48	28.66	1.066
7/26/2019	12:49	28.72	1.188
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7/26/2019	12:55	27.99	1.067
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7/26/2019	12:57	27.99	0.887
7/26/2019	12:58	28.29	0.797
7/26/2019	12:59	28.63	0.956
7/26/2019	13:00	28.94	1.131
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7/26/2019	13:03	29.04	1.65
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7/26/2019	13:07	29.16	1.427
7/26/2019	13:08	29.18	1.813
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7/26/2019	13:10	29.07	1.156
7/26/2019	13:11	28.98	1.459
7/26/2019	13:12	28.87	1.332
7/26/2019	13:13	28.9	1.379
7/26/2019	13:14	29.01	1.152
7/26/2019	13:15	29.22	1.12
7/26/2019	13:16	29.3	1.236
7/26/2019	13:17	29.05	1.294
7/26/2019	13:18	28.47	1.139
7/26/2019	13:19	28.19	0.988
7/26/2019	13:20	27.91	1.369
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7/26/2019	13:23	28.09	1.384

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219.1	172.3538995	28.1
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191.2154206	28.01

1.759	214.5	162.6150149	28.43	2.245	207.2	151.0848301
1.639	208.5	152.8379067	28.48	2.032	203.7	146.9258206
1.522	211.1	156.7157803	28.45	1.823	205.2	148.6120398
1.952	207.3	151.2154981	28.48	2.76	199.4	142.8262379
2.017	194.2	139.1784222	28.45	2.714	186	135.9838512
2.904	182.4	135.4919297	28.41	3.955	178.5	135.564413
2.83	197.4	141.262737	28.24	3.475	186.7	136.1424529
2.449	195.6	140.0289626	28.15	3.125	188.8	136.743267
2.84	202.6	145.7762909	28.11	3.439	196.1	140.355632
2.356	196.4	140.557513	28.06	3.052	189.5	136.9857152
2.218	181.5	135.452927	28.22	2.549	174	136.4336422
2.481	191.5	137.796957	28.34	3.022	185.4	135.8643244
2.356	219.5	173.3102392	28.25	2.682	214.8	163.184934
1.993	227.2	195.4097096	28.2	2.563	219.2	172.5912057
1.757	216.6	166.7876462	28.11	2.12	210.3	155.4675767
2.067	214.9	163.3767931	28.24	2.7	206.1	149.6921424
2.072	209.9	154.8621634	28.25	2.32	201.9	145.0817692
1.799	214.8	163.184934	28.01	2.281	212	158.1813694
2.07	227.5	194.4394783	27.65	2.524	222.5	181.1257634
1.419	227.8	193.4841124	27.57	1.838	226.6	193.9326112
1.872	220.9	176.811543	27.83	2.204	214.8	163.184934
2.083	215.1	163.7633675	27.79	2.414	210.2	155.3150699
1.584	212.6	159.1957351	27.6	1.892	209.8	154.712722
1.723	229.5	188.3385084	27.54	2.187	231.8	182.0442679
1.46	217.9	169.5961403	27.7	1.756	215.8	165.1468514
1.563	226.8	194.6299891	28.04	1.812	224.2	186.1096044
1.579	221.1	177.3320297	28.4	2.077	217.9	169.5961403
1.929	192.4	138.2203136	28.61	2.565	187.4	136.3217962
2.41	183.9	135.6313781	28.52	3.195	175	136.1668004
2.552	181.8	135.4622116	28.49	3.171	175.7	136.0052434
2.618	200.1	143.4232201	28.53	3.596	195	139.6529623
2.833	194.5	139.3528135	28.4	3.259	186.4	136.0719483
2.199	206.2	149.8154124	28.5	3.038	198.3	141.9406579
2.313	202.3	145.4751667	28.55	2.75	194.1	139.1212357
2.326	195.3	139.8387928	28.61	2.736	190.8	137.4928614
3.197	188.3	136.5830783	28.57	3.682	181.5	135.452927
2.549	204.5	147.8077356	28.41	3.036	197.6	141.4098131
2.001	210	155.0123664	28.47	2.639	201.8	144.9848547
2.636	227.3	195.0846305	28.47	3.176	221.1	177.3320297
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2.326	213.7	161.1359522	28.39	3.007	206.9	150.6969261
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2.189	222.6	181.4071437	28.5	2.903	215.4	164.3504379
1.892	216.3	166.1647422	27.89	2.472	210.9	156.3989918
1.664	210.4	155.6208578	27.6	1.928	205.7	149.2056183
2.246	191.2	137.6639493	27.4	2.608	187.4	136.3217962
2.106	208.7	153.1182603	27.3	2.711	202.6	145.7762909
1.47	225.6	190.5537426	27.43	1.807	224.2	186.1096044
2.227	233.3	178.312062	27.87	2.854	229.6	188.0494405

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28.38	2.377	208	152.1495751	149.7676766	No
28.31	2.185	211.6	157.5218261	154.4973519	No
28.35	3.069	204.9	148.2635581	149.0597472	No
28.31	3.196	191.5	137.796957	138.1463801	No
28.3	4.203	185.4	135.8643244	135.7763883	No
28.13	4.1	195.3	139.8387928	138.7952198	No
28.07	3.57	194.8	139.5314724	138.8898633	No
28.02	4.164	203.7	146.9258206	145.3250868	No
27.96	3.501	196	140.2893212	138.5919341	No
28.16	3.349	183.2	135.5547035	136.1029941	No
28.27	3.638	192.2	138.1230627	137.2539725	No
28.16	3.243	218.8	171.6490075	166.9296277	No
28.09	2.76	222.1	180.0143756	183.0231779	Yes
28.04	2.42	215.7	164.946271	162.6362669	No
28.16	2.849	210.5	155.7749165	161.2612656	No
28.16	2.943	209.3	153.9768314	149.7165421	No
27.94	2.641	214.1	161.8681603	160.690636	No
27.58	2.819	227.7	193.8009328	183.4136102	Yes
27.51	2.042	225.7	190.8837175	188.561596	Yes
27.75	2.481	220.8	176.5532489	169.2463376	No
27.7	2.828	216.4	166.3713526	160.4259892	No
27.55	2.36	213.5	160.7752562	160.2437697	No
27.49	2.467	233.3	178.312062	184.648694	Yes
27.64	2.185	221.3	177.8577632	162.4875734	No
27.97	2.158	227.1	195.6900033	186.2078475	Yes
28.29	2.337	221	177.0711342	175.412275	Yes
28.46	2.926	193.4	138.734051	137.3837555	No
28.41	3.755	182.6	135.5051412	136.3440444	No
28.41	3.781	183.3	135.564413	135.7907416	No
28.43	3.974	201.1	144.3223303	140.8867799	No
28.31	3.916	195.5	139.9650888	138.4410281	No
28.45	3.229	203.8	147.0339187	150.1877206	No
28.46	3.396	202.3	145.4751667	142.1016354	No
28.53	3.272	196.5	140.6257933	139.784775	No
28.49	4.504	189.7	137.0589052	136.0673597	No
28.34	3.6	204.8	148.1486618	143.9999647	No
28.41	2.998	207	150.8255466	151.0169138	No
28.37	3.828	227.5	194.4394783	185.8523468	Yes
28.26	3.643	216.2	165.9591491	169.2377187	No
28.27	3.492	211	156.5569873	160.8926674	No
28.44	2.608	201.1	144.3223303	143.0125601	No
28.66	2.768	206.5	150.1891937	149.6141504	No
28.67	3.345	202.6	145.7762909	143.8269792	No
28.41	3.245	219.1	172.3538995	175.1569925	Yes
27.82	2.783	215.7	164.946271	161.9240467	No
27.55	2.416	210.9	156.3989918	152.485523	No
27.39	3.245	193.3	138.6806025	137.0320644	No
27.31	3.172	209.9	154.8621634	148.0425535	No
27.44	2.172	224.3	186.4164902	185.5242929	Yes
27.83	3.106	232.5	180.2679334	182.1478598	Yes

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7/26/2019	13:25	28.72	1.28
7/26/2019	13:26	28.88	0.911
7/26/2019	13:27	28.94	1.028
7/26/2019	13:28	29.03	0.853
7/26/2019	13:29	29.31	1.281
7/26/2019	13:30	29.47	1.667
7/26/2019	13:31	29.55	1.501
7/26/2019	13:32	29.58	1.451
7/26/2019	13:33	29.4	1.417
7/26/2019	13:34	29.38	0.998
7/26/2019	13:35	29.51	0.962
7/26/2019	13:36	29.57	1.272
7/26/2019	13:37	29.23	1.158
7/26/2019	13:38	28.81	0.977
7/26/2019	13:39	28.44	1.148
7/26/2019	13:40	28.16	1.113
7/26/2019	13:41	27.89	1.181
7/26/2019	13:42	27.7	1.14
7/26/2019	13:43	27.57	1.109
7/26/2019	13:44	27.56	0.846
7/26/2019	13:45	27.49	0.897
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7/26/2019	13:47	27.47	0.54
7/26/2019	13:48	27.48	0.665
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7/26/2019	13:54	28.78	1.259
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7/26/2019	13:57	29.3	1.299
7/26/2019	13:58	29.29	1.449
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7/26/2019	14:00	29.04	1.229
7/26/2019	14:01	29.1	1.343
7/26/2019	14:02	29.23	1.391
7/26/2019	14:03	29.33	1.419
7/26/2019	14:04	29.12	1.243
7/26/2019	14:05	28.82	0.995
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7/26/2019	14:07	28.9	1.447
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202.2	145.3759529	29.19
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224.8	187.9748679	29.66
211	156.5569873	29.6
217	167.6326681	29.74
234	176.6631365	29.82
241	162.9661204	29.36
225.3	189.5740787	28.87
218.6	171.184873	28.46
227.3	195.0846305	28.19
223.7	184.5985921	27.93
215.9	165.3484246	27.76
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221.4	178.1226162	27.69
214.4	162.4269132	27.66
205.1	148.4952449	27.66
197	140.9746448	27.7
193.3	138.6806025	27.76
205.3	148.729472	27.78
218.2	170.2702897	27.78
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217.1	167.8465446	29
190.1	137.21054	29.13
207.1	150.9548471	29.44
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205.2	148.6120398	29.67
220.2	175.0303206	29.61
238.1	168.0709172	29.37
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182.7	135.5123672	29.43
191.1	137.6205085	29.62
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195.7	140.0933217	29.47
193.3	138.6806025	29.56

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2.173	204.2
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143.9560723	27.41
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137.9805921	27.47
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1.63	197.8	141.5589225	28.63	2.086	194.3	139.23608
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2.622	194.9	139.5919783	29.02	3.241	186.7	136.1424529
2.599	207	150.8255466	28.95	3.531	201	144.2299319
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1.929	215.7	164.946271	27.46	2.452	210.3	155.4675767
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1.516	207.7	151.7450728	27.27	1.877	203.6	146.8183282
1.103	200.4	143.6871825	27.26	1.452	199.2	142.6604859
1.07	190.6	137.4099861	27.27	1.258	187.8	136.4336422
1.104	190	137.171973	27.31	1.327	187.3	136.2949008
2.084	197.4	141.262737	27.32	2.602	188.9	136.7766005
2.342	208.3	152.5604335	27.38	3.117	202.4	145.5749597
1.717	204	147.2519401	27.79	2.306	199.5	142.9099119
2.535	195.9	140.2234999	28.32	3.097	189.8	137.0961561
2.513	211.1	156.7157803	28.44	3.237	203.1	146.2898835
2.129	185	135.7930238	28.55	2.808	179.2	135.5051412
2.093	201	144.2299319	28.8	2.342	194.2	139.1784222
2.067	206.9	150.6969261	28.75	2.592	202.4	145.5749597
2.201	200	143.3363204	28.86	2.864	196.7	140.7638403
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2.107	227.4	194.7612235	28.57	2.852	222.4	180.8458047
2.197	211.5	157.3589946	28.55	2.771	204.6	147.9207527
2.548	188.3	136.5830783	28.61	3.181	181.4	135.4506575
2.503	186	135.9838512	28.69	3.086	178.1	135.6073966
2.851	189.2	136.8792016	28.86	3.491	181.4	135.4506575
2.352	196.3	140.4897269	28.49	3.202	188.3	136.5830783
1.748	199.6	142.9941199	28.18	2.063	192.1	138.0751192
1.91	191.5	137.796957	28.16	2.36	184.7	135.7439374
2.297	212.8	159.540656	28.5	2.868	208.1	152.2858181
2.409	210	155.0123664	28.39	3.138	203.1	146.2898835
2.232	207.3	151.2154981	28.11	3.038	201.1	144.3223303
2.445	207.8	151.8792052	28.22	3.032	202.2	145.3759529
2.801	187.6	136.3768654	28.53	3.465	181.2	135.4473567
2.917	183.9	135.6313781	28.79	3.48	179.8	135.4704656
2.526	192.9	138.471433	28.75	3.324	187.1	136.2423866
2.364	189.7	137.0589052	28.78	2.777	184.3	135.6843278

28.16	3.476	217.8	169.3736382	168.5874322	No
28.3	3.291	221	177.0711342	172.7733791	No
28.42	2.411	216.9	167.4198452	170.0391478	No
28.45	2.564	212.1	158.3483275	156.2379642	No
28.55	2.419	200.2	143.5106627	141.1734972	No
28.82	3.506	185.7	135.9221983	136.0393958	No
28.92	4.334	182.4	135.4919297	135.9760856	No
28.92	3.74	195.2	139.7763685	139.7523423	No
28.82	3.897	207.1	150.9548471	147.4782487	No
28.52	3.424	215.4	164.3504379	167.4996991	No
28.65	2.668	211.3	157.0357721	153.392311	No
28.86	2.637	210.1	155.1633342	155.9094268	No
28.93	2.942	225.7	190.8837175	181.8056867	Yes
28.54	2.744	230.2	186.3453391	182.8714136	Yes
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7/26/2019	15:53	29.65	1.292
7/26/2019	15:54	29.62	1.148
7/26/2019	15:55	29.58	1.233
7/26/2019	15:56	29.53	1.033

198.6	142.1758963	29.76
190.3	137.2889944	29.72
193.2	138.6276173	29.88
202.2	145.3759529	30.09
194	139.0645196	30.1
165.6	140.4224336	30.22
189.1	136.8445673	30.27
195.2	139.7763685	30.18
201.9	145.0817692	30
228.4	191.6169031	29.78
239.1	166.2266321	29.61
222.5	181.1257634	29.61
221.8	179.1954466	29.64
218.8	171.6490075	29.61
213.2	160.24088	29.71
217.2	168.0614801	29.82
221.1	177.3320297	29.81
206.5	150.1891937	29.88
186.7	136.1424529	30.07
173.3	136.6458601	30.21
173.7	136.5220169	30.25
195.7	140.0933217	30.31
198.8	142.3353263	30.29
199.6	142.9941199	30.13
182.5	135.4983288	30.01
183.5	135.5850754	30
191.2	137.6639493	29.89
189.5	136.9857152	29.86
187.9	136.4626721	29.88
191.9	137.9805921	29.9
192.1	138.0751192	29.93
191.7	137.8878733	29.98
195.1	139.7144254	30.08
172.3	136.9857152	30.23
186.1	136.0052434	30.3
195.6	140.0289626	29.93
201	144.2299319	29.35
211.6	157.5218261	29.09
208.2	152.4227699	29.21
188	136.4921301	29.35
201.8	144.9848547	29.47
219.1	172.3538995	29.38
196	140.2893212	29.43
187.9	136.4626721	29.58
210.6	155.9297559	29.75
217.6	168.9319213	29.84
184.9	135.7762441	29.99
165.8	140.2893212	30.11
154.6	151.0848301	30.13
170.7	137.6205085	30.11
184.4	135.6986053	30.04

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1.465	192.9
1.61	188.6
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1.861	185.2
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2.103	192.1
1.783	215.3
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1.847	214.7
1.719	205.6
1.645	196
1.917	205.1
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1.439	194.2
1.559	180
1.822	169.9
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1.809	187.8
2.155	192.9
2.016	192.6
1.99	177.2
2.445	172.1
2.245	180.2
2.242	178.3
2.121	179.9
2.249	180
1.784	181.2
1.748	187.5
1.581	184.1
1.523	178.1
1.498	183.5
1.899	184.1
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1.205	195.1
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2.794	192
2.297	205
1.897	190.2
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2.343	172.3

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139.7763685	29.45
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140.2893212	29.27
148.4952449	29.34
145.9799608	29.31
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135.4622116	29.56
137.9805921	29.65
139.3528135	29.63
136.4336422	29.65
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135.7284098	29.36
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138.0276292	29.02
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143.5986496	29.62
147.8077356	29.55
142.096964	29.49
136.9857152	29.41

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2.089	187	136.2167669	28.89	2.544	181.5	135.452927
1.627	182.8	135.5200067	29.04	1.996	175.7	136.0052434
1.606	201.3	144.5088047	29.18	2.146	193	138.5230334
1.935	196.7	140.7638403	29.11	2.353	189.5	136.9857152
2.151	169.7	138.0751192	29.28	2.844	166.4	139.9016992
2.287	188.2	136.5523328	29.3	2.728	183.1	135.5454083
2.522	198.5	142.096964	29.15	3.199	193.6	138.8423412
2.567	196.4	140.557513	28.98	2.993	191.9	137.9805921
2	222.4	180.8458047	28.84	2.76	217.3	168.2774801
1.615	230.1	186.6257896	28.87	2.079	226.6	193.9326112
1.613	220.7	176.2962446	29	1.858	218.9	171.8828066
2.274	220.6	176.0405229	29.08	2.734	213.8	161.3176459
1.856	210.6	155.9297559	28.99	2.477	207	150.8255466
1.812	203	146.1859844	29.02	2.303	197.3	141.1899582
2.332	213.8	161.3176459	29.1	2.84	205.5	148.9662571
1.801	209	153.5442409	29.07	2.551	202.2	145.3759529
1.64	200.5	143.7762629	29.17	2.041	193.7	138.8971847
1.852	181.3	135.4488008	29.31	2.208	178.6	135.5547035
2.336	174.8	136.2167669	29.4	2.765	166.8	139.6529623
1.912	172	137.0961561	29.34	2.351	166.2	140.0289626
1.992	193.9	139.008273	29.36	2.435	186.5	136.0950271
2.426	200.2	143.5106627	29.26	3.106	195	139.6529623
2.284	196.2	140.4224336	29.1	2.849	192.2	138.1230627
2.438	182.3	135.4859439	29.06	2.886	176.3	135.8831963
2.58	180.5	135.4488008	29.1	3.348	172.7	136.8445673
2.57	185.3	135.8458714	28.99	3.229	180.4	135.4506575
2.632	186.6	136.1185285	29	3.14	179.3	135.4983288
2.435	187.1	136.2423866	29.03	3.057	180.4	135.4506575
2.594	184.4	135.6986053	29.08	3.246	178.4	135.5745369
2.355	185.5	135.8831963	29.14	2.649	181.9	135.4661321
2.194	191.7	137.8878733	29.15	2.542	185.2	135.8278372
1.81	186.4	136.0719483	29.23	2.282	183.4	135.5745369
1.72	179.4	135.4919297	29.34	2.131	173.2	136.6778973
1.616	186.6	136.1185285	29.33	1.917	181.8	135.4622116
2.153	190.3	137.2889944	28.91	2.715	185.9	135.9628798
1.988	194.8	139.5314724	28.35	2.471	188.4	136.6142539
1.367	205.3	148.729472	28.21	1.657	200.7	143.9560723
2.223	207.1	150.9548471	28.47	2.697	199.2	142.6604859
2.38	185.8	135.9423289	28.69	3.106	176.9	135.7762441
2.819	194.4	139.2942101	28.83	3.833	189.2	136.8792016
2.327	210.6	155.9297559	28.78	3.276	204.4	147.6953406
1.996	193.7	138.8971847	28.85	2.66	188.5	136.6458601
2.008	188	136.4921301	28.98	2.568	182.2	135.4803714
1.782	202.2	145.3759529	29.1	2.316	196.7	140.7638403
1.546	207.1	150.9548471	29.1	2.087	204.4	147.6953406
1.983	181.3	135.4488008	29.24	2.402	173.6	136.5523328
2.235	168.6	138.6276173	29.31	2.736	159.9	145.0817692
2.003	162.4	142.8262379	29.2	2.355	154.9	150.6969261
2.368	171.3	137.3692134	29.16	3.063	161.1	143.9560723
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28.78	3.121	189.8	137.0961561	136.1072885	No
28.93	2.417	182.2	135.4803714	136.4111993	No
29.06	2.407	199.8	143.1641434	141.719806	No
29	2.636	195	139.6529623	138.3729931	No
29.16	3.32	174	136.4336422	139.4380164	No
29.17	3.327	192	138.0276292	136.1925364	No
28.99	3.857	200.8	144.0468045	140.1230106	No
28.83	3.631	199.6	142.9941199	140.4237484	No
28.72	2.983	220.7	176.2962446	176.2234921	Yes
28.76	2.225	227.5	194.4394783	182.5505884	Yes
28.88	2.421	218.2	170.2702897	173.4138131	No
28.94	3.276	219	172.1177686	169.8869091	No
28.82	2.835	212.3	158.684756	156.8724811	No
28.89	2.641	202.5	145.6753339	146.976536	No
28.98	3.278	210.9	156.3989918	156.710157	No
28.93	2.692	206.6	150.3151193	155.5580461	No
29.03	2.479	201.1	144.3223303	143.0102659	No
29.17	2.803	184.6	135.7284098	135.6520422	No
29.21	3.287	174.8	136.2167669	137.6240454	No
29.16	2.767	173.6	136.5523328	138.2499873	No
29.23	2.935	191.9	137.9805921	137.907566	No
29.13	3.622	199.9	143.249962	140.9925961	No
28.99	3.373	196.8	140.8336095	139.9647511	No
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28.92	3.771	188.1	136.5220169	136.1040219	No
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28.96	3.668	187.2	136.2684311	135.9054621	No
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29.07	3.466	189.5	136.9857152	136.2179511	No
29.05	3.011	192.8	138.4202926	136.9881754	No
29.15	2.55	189.2	136.8792016	136.754483	No
29.25	2.543	181.1	135.4463252	136.1907347	No
29.25	2.388	188.2	136.5523328	135.7927647	No
28.84	3.178	193.8	138.952495	137.2344645	No
28.34	2.939	196.4	140.557513	139.1951746	No
28.22	2.133	205.3	148.729472	147.4804489	No
28.46	3.047	206.4	150.0639356	147.2160852	No
28.66	3.434	185.2	135.8278372	135.9182287	No
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28.72	3.599	208.8	153.2595242	156.0895202	No
28.79	3.086	195.6	140.0289626	138.2704782	No
28.92	2.988	189.1	136.8445673	135.9775964	No
29.04	2.581	205	148.379085	145.7257896	No
29.03	2.339	208.9	153.4015168	152.8620003	No
29.19	2.691	182.4	135.4919297	136.0049411	No
29.21	3.268	169	138.4202926	141.8993393	No
29.05	2.929	164.2	141.4098131	148.1039324	No
29.04	3.525	169.8	138.0276292	140.2606895	No
28.95	3.584	177.2	135.7284098	136.7945634	No

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10.34
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6.347
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7.87
6.31
10.98
9.12

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7/26/2019	15:58	29.54	1.202
7/26/2019	15:59	29.46	1.269
7/26/2019	16:00	29.51	0.873
7/26/2019	16:01	29.56	0.784
7/26/2019	16:02	29.61	1.106
7/26/2019	16:03	29.65	1.104
7/26/2019	16:04	29.67	0.883
7/26/2019	16:05	29.74	1.083
7/26/2019	16:06	29.77	1.064
7/26/2019	16:07	29.77	1.003
7/26/2019	16:08	29.69	0.85
7/26/2019	16:09	29.56	1.502
7/26/2019	16:10	29.41	1.025
7/26/2019	16:11	29.39	1.069
7/26/2019	16:12	29.36	0.766
7/26/2019	16:13	29.44	1.023
7/26/2019	16:14	29.5	1.043
7/26/2019	16:15	29.52	0.779
7/26/2019	16:16	29.55	0.987
7/26/2019	16:17	29.54	0.846
7/26/2019	16:18	29.55	1.318
7/26/2019	16:19	29.51	1.379
7/26/2019	16:20	29.42	1.132
7/26/2019	16:21	29.37	1.116
7/26/2019	16:22	29.28	1.593
7/26/2019	16:23	29.17	1.08
7/26/2019	16:24	29.12	1.1
7/26/2019	16:25	29.1	1.194
7/26/2019	16:26	28.98	1.452
7/26/2019	16:27	28.97	1.273
7/26/2019	16:28	29.01	1.592
7/26/2019	16:29	28.97	1.031
7/26/2019	16:30	29.08	1.048
7/26/2019	16:31	29.15	1.082
7/26/2019	16:32	29.11	1.602
7/26/2019	16:33	29.03	1.442
7/26/2019	16:34	29.03	1.305
7/26/2019	16:35	29.1	1.05
7/26/2019	16:36	29.11	1.309
7/26/2019	16:37	29.17	1.071
7/26/2019	16:38	29.25	0.984
7/26/2019	16:39	29.28	1.026
7/26/2019	16:40	29.28	0.988
7/26/2019	16:41	29.27	0.801
7/26/2019	16:42	29.18	1.015
7/26/2019	16:43	28.79	0.99
7/26/2019	16:44	28.61	0.778
7/26/2019	16:45	28.71	1.027
7/26/2019	16:46	28.87	0.932
7/26/2019	16:47	29.01	0.999

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203.6	146.8183282	29.99
199.9	143.249962	29.84
202	145.1792559	29.91
212.9	159.7144084	29.99
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169.4	138.2203136	30.14
188.4	136.6142539	30.2
175.6	136.0270567	30.29
175.3	136.0950271	30.35
215	163.5696028	30.34
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210	155.0123664	29.99
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185.8	135.9423289	29.73
178.7	135.5454083	29.91
183.3	135.564413	30.03
167.6	139.1784222	30.14
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174.8	136.2167669	30.29
177.2	135.7284098	30.32
181	135.4457063	30.23
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211.7	157.6854758	29.74
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207.1	150.9548471	29.57
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198.2	141.8632814	29.8
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224.4	186.7249594	29.89
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203.1	146.2898835	29.73
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194.8	139.5314724	30
190.1	137.21054	30.14
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172.7	136.8445673	29.63

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1.57	196.8
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1.964	195.5
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2.005	198.4
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2.118	183.7
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1.649	188.9
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1.816	183.6
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1.709	183.7
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1.994	182
1.839	173.1

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136.6458601	29.65
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146.4994658	29.47
143.8658923	29.28
146.1859844	29.26
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136.2684311	29.45
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143.0788632	29.58
139.9650888	29.59
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135.6570213	29.53
137.8878733	29.4
135.4859439	29.39
139.7144254	29.27
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139.9650888	29.15
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135.4704656	28.99
136.7103661	29.17

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2.392	201.3	144.5088047	29.04	3.019	197.1	141.0459134
2.273	196.3	140.4897269	28.91	2.969	192	138.0276292
1.582	201.5	144.6975271	28.99	2.164	196.9	140.9038772
1.56	197.3	141.1899582	29.06	2.187	193.6	138.8423412
2.161	182.6	135.5051412	29.11	2.526	176.5	135.8458714
2.216	172.4	136.949775	29.21	2.857	163.6	141.8632814
1.91	186.6	136.1185285	29.23	2.253	180.2	135.4556091
2.143	178.4	135.5745369	29.3	2.63	170.8	137.577514
2.011	182.1	135.475212	29.34	2.402	175.3	136.0950271
1.812	209.7	154.5640391	29.32	2.434	204.6	147.9207527
1.441	214.8	163.184934	29.28	1.887	212.9	159.7144084
2.666	209.4	154.1225109	29.12	3.121	202.8	145.9799608
2.198	205.9	149.4475739	28.92	2.731	201	144.2299319
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2.092	173.2	136.6778973	29.05	2.615	167.5	139.23608
2.086	180.4	135.4506575	29.1	2.675	173	136.743267
1.484	172.9	136.7766005	29.15	1.909	166.2	140.0289626
1.86	165.8	140.2893212	29.19	2.527	159.4	145.5749597
2.073	173.8	136.4921301	29.18	2.546	164.6	141.1176841
2.673	180.2	135.4556091	29.19	3.146	175.2	136.1185285
2.928	183	135.5365272	29.15	3.315	177.8	135.6439919
2.294	174	136.4336422	29.04	2.938	167.8	139.0645196
2.43	185.6	135.9024875	29.03	2.909	180.4	135.4506575
2.841	201.9	145.0817692	28.92	3.243	194.9	139.5919783
2.064	208.6	152.9777221	28.85	2.735	203.8	147.0339187
2.097	200.6	143.8658923	28.82	2.636	196.5	140.6257933
2.489	210.5	155.7749165	28.77	3.176	203	146.1859844
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2.175	189.9	137.1338452	28.92	2.604	184.3	135.6843278
2.214	195.1	139.7144254	28.94	2.783	192.1	138.0751192
2.627	211.7	157.6854758	28.84	3.533	204.7	148.034394
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2.242	200	143.3363204	28.74	2.641	195.7	140.0933217
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28.86	3.304	197.6	141.4098131	139.9253313	No
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29	2.551	198.3	141.9406579	144.6609731	No
29.07	2.94	186	135.9838512	135.8684377	No
29.16	3.435	173.5	136.5830783	139.1715831	No
29.17	2.699	187.5	136.3491176	135.9117739	No
29.25	3.165	179.2	135.5051412	136.4562419	No
29.3	2.97	184.1	135.6570213	136.0105329	No
29.28	2.728	212.2	158.5161218	153.6083699	No
29.24	2.11	215.1	163.7633675	160.3770801	No
29.04	3.804	209.1	153.6876994	150.403576	No
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29.14	3.767	183	135.5365272	136.0367787	No
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7/26/2019	16:50	29.36	0.892
7/26/2019	16:51	29.41	1.262
7/26/2019	16:52	29.37	1.137
7/26/2019	16:53	29.31	1.106
7/26/2019	16:54	29.3	0.837
7/26/2019	16:55	29.26	1.675
7/26/2019	16:56	29.19	1.113
7/26/2019	16:57	29.3	0.894
7/26/2019	16:58	29.41	1.008
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7/26/2019	17:01	29.56	0.904
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28.99	2.87	185.1	135.8102214	136.8584584	No
29.02	3.22	178.3	135.5850754	136.5543238	No
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28.86	2.934	199	142.4968525	146.020275	No
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28.69	4.048	191.9	137.9805921	136.8112495	No
28.61	3.182	194.4	139.2942101	137.5520639	No
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28.71	3.654	182.7	135.5123672	136.6514024	No
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191.1	137.6205085	29.28
183.2	135.5547035	29.2
180.6	135.4473567	29.13
177.6	135.6704665	29.08
193.5	138.7879636	29.05
183	135.5365272	29.11
188.7	136.7103661	29.18
178.7	135.5454083	29.3
197	140.9746448	29.39
190.9	137.5349652	29.43
187.1	136.2423866	29.29
187.4	136.3217962	29.15
190	137.171973	29.02
187.3	136.2949008	28.93
189.3	136.9142707	28.83
183.1	135.5454083	28.75
182.2	135.4803714	28.65
184.9	135.7762441	28.54
184.7	135.7439374	28.49
190.7	137.4512019	28.35
180.8	135.4457063	28.21
175.2	136.1185285	28.09
181.4	135.4506575	28.03
182.1	135.475212	27.93
182.3	135.4859439	27.84
177.2	135.7284098	27.79
192.3	138.1714606	27.79
183.5	135.5850754	27.78
185.5	135.8831963	27.75
186.8	136.1668004	27.75
187	136.2167669	27.75
180.9	135.4455	27.75
180.8	135.4457063	27.73
181.2	135.4473567	27.72
182.8	135.5200067	27.71
180	135.4622116	27.67
177	135.759882	27.59
172.3	136.9857152	27.51
179.4	135.4919297	27.43
168.9	138.471433	27.33
177.8	135.6439919	27.22
167.1	139.4714437	27.14
172.1	137.0589052	27.11

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1.553	174.5
1.674	175.6
1.481	180.6
1.369	173.3
1.469	179.1
1.223	179.4
1.565	179.1
1.714	181.9
1.329	172.3
1.343	173.6
1.12	178.7
1.275	183.2
1.165	173.6
1.162	177.7
0.992	179.5
0.993	183.9
1.444	180
1.358	178.2
1.367	175.4
1.1	180.8
1.162	179.1
1.229	177.5
1.232	179.4
1.207	179.9
0.993	182.7
1.273	179.5
1.358	176.3
1.197	171
1.137	174.8
1.032	171.8
1.28	169.5
1.552	171.8
1.516	171.3
1.525	175.4
1.413	173.5
1.58	173.6
1.437	175.3
1.495	178.3
1.621	176.2
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1.304	169.5
1.352	173.7
1.385	170
1.107	168.6
0.979	160.8
1.036	164.5
1.188	162.9
1.184	163.7
1.12	164.2
1.223	163.3

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135.4661321	28.4
136.9857152	28.34
136.5523328	28.27
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135.6313781	28.41
135.4622116	28.42
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135.8831963	27.64
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137.171973	27.23
137.3692134	27.22
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135.9024875	27.16
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141.4098131	26.57
142.096964	26.56

1.651	174.6	136.2684311	27.93	2.071	170.3	137.796957
1.477	179.3	135.4983288	27.94	1.88	172.7	136.8445673
1.735	180.7	135.4463252	27.95	2.205	173.5	136.5830783
1.334	184.4	135.6986053	27.98	1.764	176.8	135.7930238
1.295	179.1	135.5123672	28.01	1.594	172.1	137.0589052
1.439	183.3	135.564413	28.05	1.92	176.3	135.8831963
1.249	184.3	135.6843278	28.07	1.379	177.5	135.6843278
1.683	183.1	135.5454083	28.09	1.951	179.9	135.4661321
1.682	185.4	135.8643244	28.03	2.226	179.6	135.4803714
1.504	177.4	135.6986053	27.99	1.856	169.5	138.1714606
1.202	177.4	135.6986053	27.94	1.682	169.8	138.0276292
1.232	182	135.4704656	27.87	1.443	174.2	136.3768654
1.022	186.7	136.1424529	27.83	1.504	182.3	135.4859439
1.023	178.5	135.564413	27.86	1.365	170.1	137.8878733
1.185	182.6	135.5051412	27.92	1.426	176.1	135.9221983
0.832	182.8	135.5200067	27.97	1.118	176.7	135.8102214
0.892	189.5	136.9857152	27.99	1.094	184.3	135.6843278
1.488	187	136.2167669	28.01	1.817	178.6	135.5547035
1.577	182.5	135.4983288	27.93	1.795	178.2	135.5960285
1.41	183	135.5365272	27.87	1.655	177.5	135.6843278
1.072	187.9	136.4626721	27.75	1.42	181.2	135.4473567
1.278	180.9	135.4455	27.7	1.538	174.8	136.2167669
1.075	182	135.4704656	27.67	1.591	172.5	136.9142707
1.273	186.1	136.0052434	27.63	1.662	177.1	135.7439374
1.181	182.7	135.5123672	27.58	1.652	177.5	135.6843278
1.119	185.3	135.8458714	27.51	1.321	181.1	135.4463252
1.422	183.7	135.6073966	27.45	1.796	178.2	135.5960285
1.54	184	135.6439919	27.37	1.885	176.4	135.8643244
1.376	176.6	135.8278372	27.3	1.794	168.8	138.5230334
1.275	177	135.759882	27.2	1.65	172.5	136.9142707
1.208	178.3	135.5850754	27.11	1.452	167.8	139.0645196
1.781	177.4	135.6986053	27.06	1.954	168.9	138.471433
1.667	175.7	136.0052434	27.02	2.261	167.7	139.1212357
1.658	176.7	135.8102214	27.02	2.127	168.8	138.5230334
1.562	180.5	135.4488008	27	2.223	173.5	136.5830783
1.675	180.4	135.4506575	26.98	1.958	170.5	137.7078372
1.793	180.5	135.4488008	26.97	2.277	171.6	137.249547
1.473	180	135.4622116	26.95	2.037	170.4	137.7521729
1.539	182.4	135.4919297	26.93	2.214	176.4	135.8643244
1.722	179.9	135.4661321	26.93	2.191	169.8	138.0276292
1.826	178.4	135.5745369	26.94	2.132	170.7	137.6205085
1.644	174.4	136.3217962	26.92	1.916	167.2	139.411891
1.732	178.4	135.5745369	26.9	2.005	170.2	137.8421902
1.589	176.4	135.8643244	26.87	1.989	168.4	138.734051
1.357	172.7	136.8445673	26.79	1.679	165.4	140.557513
1.237	170.5	137.7078372	26.68	1.557	160.2	144.7927354
1.421	167.9	139.008273	26.57	1.685	162.3	142.9099119
1.471	166.1	140.0933217	26.48	1.735	158.4	146.6051528
1.559	169.5	138.1714606	26.42	1.795	161.3	143.7762629
1.31	165.7	140.355632	26.37	1.685	159.8	145.1792559
1.532	171.6	137.249547	26.36	1.925	161.2	143.8658923

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28.09	2.169	180	135.4622116	136.0530834	No
28.1	2.544	180.9	135.4455	135.882918	No
28.14	2.075	184.1	135.6570213	135.6012795	No
28.2	2.074	181.1	135.4463252	136.3648798	No
28.25	2.242	184.6	135.7284098	135.8630267	No
28.28	1.783	184.9	135.7762441	135.6859454	No
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28.22	2.492	186.2	136.0270567	136.1078341	No
28.17	2.266	180.7	135.4463252	136.6026211	No
28.12	2.019	178.1	135.6073966	136.431481	No
28.06	1.854	182.9	135.52806	135.7658014	No
28.04	1.657	185.8	135.9423289	136.492766	No
28.08	1.62	180	135.4622116	136.3852866	No
28.15	1.837	185.1	135.8102214	135.9486817	No
28.2	1.444	186.7	136.1424529	135.5903951	No
28.21	1.399	190.5	137.3692134	137.3190165	No
28.22	2.192	187.5	136.3491176	136.1921618	No
28.14	2.253	184.8	135.759882	135.7331931	No
28.06	2.003	183.8	135.6191797	135.9036498	No
27.98	1.705	187.3	136.2949008	136.131927	No
27.92	1.935	182.3	135.4859439	135.8673837	No
27.89	1.628	180	135.4622116	136.2458337	No
27.83	1.952	185.9	135.9628798	135.6966297	No
27.78	1.793	185.1	135.8102214	135.5357996	No
27.73	1.724	186.2	136.0270567	135.645202	No
27.66	2.113	183.7	135.6073966	135.6083266	No
27.55	2.178	183.5	135.5850754	136.2106786	No
27.46	2.13	177.1	135.7439374	136.8223596	No
27.35	1.921	179.7	135.475212	136.2523621	No
27.26	1.874	179.7	135.475212	136.8180564	No
27.22	2.495	177.3	135.7132992	136.9541777	No
27.17	2.549	176.8	135.7930238	136.946099	No
27.18	2.404	178.3	135.5850754	136.8577195	No
27.17	2.499	181	135.4457063	136.568822	No
27.17	2.483	179.4	135.4919297	136.3316621	No
27.16	2.718	181.2	135.4473567	136.2834692	No
27.15	2.325	179.9	135.4661321	136.369053	No
27.14	2.285	182.9	135.52806	135.7895241	No
27.13	2.525	180.2	135.4556091	136.2104372	No
27.15	2.617	178.2	135.5960285	136.4436492	No
27.1	2.319	176.2	135.9024875	137.3381261	No
27.07	2.409	178.3	135.5850754	136.3646877	No
27.04	2.343	176.5	135.8458714	136.9986485	No
26.94	1.992	174.3	136.3491176	137.9473949	No
26.81	1.864	170.2	137.8421902	140.9290549	No
26.71	2.139	171.9	137.1338452	139.6500182	No
26.62	2.073	167.4	139.2942101	141.8964335	No
26.54	2.238	169	138.4202926	139.8445341	No
26.49	2.082	169.5	138.1714606	141.6040362	No
26.49	2.175	169.7	138.0751192	140.0678271	No

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4.444

7/26/2019	19:21	26.54	0.708
7/26/2019	19:22	26.52	0.955
7/26/2019	19:23	26.51	0.968
7/26/2019	19:24	26.45	0.975
7/26/2019	19:25	26.42	0.878
7/26/2019	19:26	26.36	0.988
7/26/2019	19:27	26.28	0.683
7/26/2019	19:28	26.2	0.851
7/26/2019	19:29	26.1	0.672
7/26/2019	19:30	25.98	0.908
7/26/2019	19:31	25.87	0.677
7/26/2019	19:32	25.72	0.696
7/26/2019	19:33	25.58	0.957
7/26/2019	19:34	25.44	0.77
7/26/2019	19:35	25.31	0.722
7/26/2019	19:36	25.17	0.849
7/26/2019	19:37	25.06	0.862
7/26/2019	19:38	24.95	0.71
7/26/2019	19:39	24.83	0.547
7/26/2019	19:40	24.72	0.648
7/26/2019	19:41	24.61	0.547
7/26/2019	19:42	24.49	0.574
7/26/2019	19:43	24.38	0.606
7/26/2019	19:44	24.29	0.592
7/26/2019	19:45	24.22	0.573
7/26/2019	19:46	24.15	0.583
7/26/2019	19:47	24.07	0.633
7/26/2019	19:48	24	0.463
7/26/2019	19:49	23.93	0.733
7/26/2019	19:50	23.87	0.547
7/26/2019	19:51	23.8	0.446
7/26/2019	19:52	23.75	0.559
7/26/2019	19:53	23.7	0.616
7/26/2019	19:54	23.66	0.449
7/26/2019	19:55	23.61	0.461
7/26/2019	19:56	23.55	0.538
7/26/2019	19:57	23.48	0.52
7/26/2019	19:58	23.4	0.504
7/26/2019	19:59	23.34	0.503
7/26/2019	20:00	23.28	0.628
7/26/2019	20:01	23.24	0.547
7/26/2019	20:02	23.18	0.613
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7/26/2019	20:06	22.96	0.51
7/26/2019	20:07	22.91	0.457
7/26/2019	20:08	22.85	0.411
7/26/2019	20:09	22.79	0.35
7/26/2019	20:10	22.72	0.363
7/26/2019	20:11	22.66	0.352

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173.7	136.5220169	27.13
171.7	137.21054	27.13
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169	138.4202926	27.07
165.9	140.2234999	27.02
168.8	138.5230334	26.93
170.9	137.5349652	26.85
165.3	140.6257933	26.73
163.7	141.786421	26.58
168.5	138.6806025	26.44
176.2	135.9024875	26.26
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168.3	138.7879636	25.44
167.4	139.2942101	25.28
175.1	136.1424529	25.14
176.9	135.7762441	25
168.5	138.6806025	24.87
166.7	139.7144254	24.76
162.4	142.8262379	24.64
167.3	139.3528135	24.54
169.7	138.0751192	24.44
175	136.1668004	24.36
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170.2	137.8421902	24.2
169.2	138.3193881	24.12
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166	140.1581671	23.89
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170.8	137.577514	23.8
169.4	138.2203136	23.76
166.7	139.7144254	23.72
167.9	139.008273	23.67
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172.5	136.9142707	23.52
161.8	143.3363204	23.44
169.2	138.3193881	23.37
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1.192	159.9
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0.877	158.8
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0.897	151.2
0.907	152.7
0.896	157.4
0.821	152.6
0.913	155.7
0.928	156.5
0.966	155.8
0.961	159.3
0.925	157.7
0.971	159.7
0.849	162.1
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0.753	167.3
0.815	158.7
0.901	156.6
0.929	158.5
0.91	159.5
0.95	162.7
0.923	161.1
0.89	163.1
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0.812	167
0.845	165.4
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0.771	166
0.775	172.7
0.649	173.2
0.704	174
0.639	174.1

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1.262	168.8	138.5230334	26.35	1.676	160.9	144.1380905
1.695	173.8	136.4921301	26.37	1.965	164.8	140.9746448
1.568	166.5	139.8387928	26.36	1.784	159	145.9799608
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1.391	164.4	141.262737	26.3	1.828	155	150.5689831
1.63	162.6	142.6604859	26.23	1.843	152.3	154.2689366
1.167	163.6	141.8632814	26.14	1.397	155.2	150.3151193
1.336	161.8	143.3363204	26.04	1.487	156.1	149.2056183
1.215	163.3	142.096964	25.96	1.53	155.7	149.6921424
1.317	161.7	143.4232201	25.88	1.607	152	154.712722
1.292	161.8	143.3363204	25.8	1.496	154	151.8792052
1.271	159.6	145.3759529	25.68	1.438	152.1	154.5640391
1.394	165.5	140.4897269	25.57	1.677	156.6	148.6120398
1.292	165	140.8336095	25.46	1.667	154.1	151.7450728
1.258	166.2	140.0289626	25.35	1.624	155.9	149.4475739
1.396	167.7	139.1212357	25.25	1.76	158.1	146.9258206
1.449	166.1	140.0933217	25.21	1.629	156	149.3262707
1.09	164.8	140.9746448	25.11	1.436	158.1	146.9258206
1.093	165.2	140.6945686	24.97	1.299	159.2	145.7762909
0.979	163.3	142.096964	24.85	1.24	159.1	145.8778326
0.969	159.8	145.1792559	24.72	1.165	154.4	151.3468538
0.982	158.4	146.6051528	24.61	1.144	152.2	154.4161117
1.042	160.5	144.5088047	24.52	1.234	153.5	152.5604335
1.091	163.3	142.096964	24.48	1.229	154.3	151.4788997
1.012	167.5	139.23608	24.43	1.222	159.4	145.5749597
1.034	163.7	141.786421	24.35	1.131	157	148.1486618
1.059	162.7	142.5784051	24.28	1.271	158.2	146.8183282
1.014	161.4	143.6871825	24.21	1.309	157.1	148.034394
1.124	163.6	141.8632814	24.16	1.336	159.2	145.7762909
1.139	165.5	140.4897269	24.11	1.327	159.3	145.6753339
0.911	163.2	142.1758963	24.05	1.152	157.4	147.6953406
1.016	164.6	141.1176841	24	1.247	160	144.9848547
0.992	165.1	140.7638403	23.96	1.113	159.4	145.5749597
0.807	168.7	138.5750946	23.9	1.047	161.8	143.3363204
0.88	170.4	137.7521729	23.84	1.041	163.4	142.0185516
0.843	161.6	143.5106627	23.76	1.07	156.7	148.4952449
0.947	159	145.9799608	23.69	1.179	156	149.3262707
0.915	162.5	142.7430964	23.61	1.195	156.4	148.8475437
0.943	162.2	142.9941199	23.57	1.202	156.6	148.6120398
1.067	164.8	140.9746448	23.53	1.288	159	145.9799608
0.979	163.1	142.25535	23.5	1.186	157.2	147.9207527
0.981	165.7	140.355632	23.46	1.21	160.2	144.7927354
0.985	170	137.9340071	23.42	1.155	163.9	141.6342428
0.867	171	137.4928614	23.35	1.042	165.3	140.6257933
0.886	167.2	139.411891	23.29	1.063	162.2	142.9941199
0.837	168.6	138.6276173	23.22	0.974	163.5	141.9406579
0.79	170.5	137.7078372	23.16	1.012	165.7	140.355632
0.704	177.5	135.6843278	23.11	1.032	170.3	137.796957
0.679	179.9	135.4661321	23.05	0.889	171.5	137.2889944
0.661	179.3	135.4983288	22.97	0.879	173.2	136.6778973
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26.47	1.824	167.9	139.008273	140.4040986	No
26.51	2.338	172.3	136.9857152	138.2214941	No
26.5	2.225	169.9	137.9805921	141.4430975	No
26.45	2.353	164.3	141.3360215	145.1769492	No
26.43	2.11	165.1	140.7638403	143.8334455	No
26.35	2.253	162.6	142.6604859	146.9304764	No
26.25	1.742	163.3	142.096964	144.2218547	No
26.16	1.853	164.5	141.1899582	143.8880176	No
26.08	1.91	164.3	141.3360215	144.3019088	No
26.01	1.841	161.7	143.4232201	148.33097	No
25.91	1.79	162.8	142.4968525	145.9588677	No
25.79	1.853	163	142.3353263	147.1353228	No
25.69	2.01	165.7	140.355632	143.7502918	No
25.56	1.926	164	141.5589225	144.3881576	No
25.45	1.629	163.7	141.786421	143.659404	No
25.35	2.022	168.6	138.6276173	142.175228	No
25.34	2.034	164.7	141.0459134	143.078113	No
25.22	1.671	166.1	140.0933217	142.4548023	No
25.08	1.602	165.3	140.6257933	142.8033402	No
24.96	1.494	166.5	139.8387928	143.5876849	No
24.84	1.449	163.7	141.786421	146.6705625	No
24.73	1.437	161.3	143.7762629	148.7330831	No
24.66	1.556	162.4	142.8262379	148.0879519	No
24.62	1.533	163.8	141.7100752	146.3346706	No
24.57	1.439	164.9	140.9038772	142.1682952	No
24.49	1.541	165	140.8336095	146.4075649	No
24.43	1.604	164.9	140.9038772	144.2327665	No
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24.32	1.636	166.2	140.0289626	144.458724	No
24.27	1.572	167.9	139.008273	142.6436114	No
24.2	1.476	167	139.5314724	144.3478179	No
24.16	1.527	166.7	139.7144254	142.0475556	No
24.13	1.41	166.9	139.5919783	141.7487943	No
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23.86	1.404	163.4	142.0185516	146.223229	No
23.79	1.438	164.3	141.3360215	143.7510941	No
23.75	1.473	164	141.5589225	145.1044117	No
23.71	1.626	166.1	140.0933217	141.9630997	No
23.68	1.526	165.8	140.2893212	142.9490311	No
23.63	1.499	168.8	138.5230334	141.5890531	No
23.58	1.416	170.3	137.796957	138.8485869	No
23.5	1.404	171.6	137.249547	138.2801482	No
23.44	1.385	169.2	138.3193881	140.0243423	No
23.38	1.345	169	138.4202926	139.0933705	No
23.33	1.281	171	137.4928614	138.9934523	No
23.26	1.143	177.6	135.6704665	136.4436632	No
23.2	1.106	178.1	135.6073966	136.2196825	No
23.13	1.134	178.7	135.5454083	136.2397465	No
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7/26/2019	20:13	22.52	0.415
7/26/2019	20:14	22.46	0.368
7/26/2019	20:15	22.4	0.413
7/26/2019	20:16	22.35	0.363
7/26/2019	20:17	22.3	0.328
7/26/2019	20:18	22.25	0.347
7/26/2019	20:19	22.19	0.43
7/26/2019	20:20	22.15	0.464
7/26/2019	20:21	22.11	0.356
7/26/2019	20:22	22.07	0.328
7/26/2019	20:23	22.02	0.267
7/26/2019	20:24	21.98	0.302
7/26/2019	20:25	21.94	0.327
7/26/2019	20:26	21.89	0.234
7/26/2019	20:27	21.85	0.314
7/26/2019	20:28	21.8	0.278
7/26/2019	20:29	21.76	0.259
7/26/2019	20:30	21.73	0.28
7/26/2019	20:31	21.69	0.278
7/26/2019	20:32	21.65	0.239
7/26/2019	20:33	21.61	0.256
7/26/2019	20:34	21.57	0.262
7/26/2019	20:35	21.53	0.27
7/26/2019	20:36	21.49	0.259
7/26/2019	20:37	21.44	0.283
7/26/2019	20:38	21.4	0.267
7/26/2019	20:39	21.37	0.308
7/26/2019	20:40	21.33	0.287
7/26/2019	20:41	21.3	0.288
7/26/2019	20:42	21.28	0.33
7/26/2019	20:43	21.26	0.266
7/26/2019	20:44	21.24	0.293
7/26/2019	20:45	21.23	0.336
7/26/2019	20:46	21.21	0.363
7/26/2019	20:47	21.19	0.379
7/26/2019	20:48	21.17	0.403
7/26/2019	20:49	21.16	0.414
7/26/2019	20:50	21.15	0.383
7/26/2019	20:51	21.14	0.462
7/26/2019	20:52	21.12	0.402
7/26/2019	20:53	21.11	0.356
7/26/2019	20:54	21.1	0.418
7/26/2019	20:55	21.09	0.358
7/26/2019	20:56	21.08	0.319
7/26/2019	20:57	21.06	0.273
7/26/2019	20:58	21.03	0.238
7/26/2019	20:59	21	0.258
7/26/2019	21:00	20.96	0.185
7/26/2019	21:01	20.93	0.238
7/26/2019	21:02	20.9	0.201

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170.1	137.8878733	22.35
179.3	135.4983288	22.3
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166.2	140.0289626	21.88
174.9	136.1915717	21.83
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167.1	139.4714437	21.73
167.2	139.411891	21.68
167.8	139.0645196	21.64
171.4	137.328883	21.6
178.5	135.564413	21.56
176.9	135.7762441	21.52
176.2	135.9024875	21.48
178.8	135.5365272	21.44
183.4	135.5745369	21.4
175.7	136.0052434	21.35
178.8	135.5365272	21.31
173	136.743267	21.28
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176	135.9423289	21.21
168.8	138.5230334	21.19
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164.2	141.4098131	21.11
174.1	136.4050401	21.09
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0.627	171.3
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0.581	163.9
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0.428	166.2
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0.378	173
0.38	169
0.438	169.5
0.411	165.7
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0.437	157.8
0.495	156
0.434	156.4
0.506	160.5
0.545	160
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0.476	161
0.542	165
0.578	162.4
0.42	163.8
0.485	165
0.404	168.2
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0.509	174.2	136.3768654	21.78	0.681	168.5	138.6806025
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0.528	178	135.6191797	21.68	0.72	169.4	138.2203136
0.498	169.6	138.1230627	21.65	0.707	165.7	140.355632
0.597	168.5	138.6806025	21.64	0.678	161.8	143.3363204
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0.607	166.5	139.8387928	21.55	0.842	161.7	143.4232201
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22.98	1.123	175.8	135.9838512	136.7429844	No
22.92	1.129	173.8	136.4921301	138.4957116	No
22.87	1.192	175.4	136.0719483	137.4415345	No
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22.67	1.13	173.7	136.5220169	139.2033421	No
22.65	1.095	173	136.743267	139.6461103	No
22.61	1.028	170.9	137.5349652	141.7875548	No
22.56	1.046	169.6	138.1230627	143.6338193	No
22.5	0.916	168.6	138.6276173	141.5201955	No
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22.43	0.816	169.4	138.2203136	141.6519393	No
22.39	0.886	172	137.0961561	139.3635056	No
22.35	0.856	171.1	137.4512019	140.0795875	No
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22.2	0.88	174.2	136.3768654	137.5249694	No
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21.83	1.002	170.2	137.8421902	141.6814852	No
21.8	0.927	169.5	138.1714606	142.0975229	No
21.78	0.953	168.9	138.471433	142.7476	No
21.77	0.942	169.1	138.3696112	143.655818	No
21.75	1.121	168.7	138.5750946	144.244651	No
21.72	1.091	171.1	137.4512019	141.0439644	No
21.69	1.041	170.7	137.6205085	141.6617434	No
21.68	1.153	170.9	137.5349652	141.7127901	No
21.64	1.132	170.6	137.6639493	141.4246812	No
21.63	1.12	171.7	137.21054	139.9498278	No
21.63	1.088	174.6	136.2684311	138.956169	No
21.62	1.009	174.5	136.2949008	138.6273371	No
21.61	1.03	172.1	137.0589052	138.6279447	No
21.6	0.926	175.8	135.9838512	137.6704811	No
21.59	0.836	179.5	135.4859439	136.4753807	No
21.56	0.761	184.9	135.7762441	136.2320524	No
21.53	0.779	189	136.810367	136.9844722	No
21.51	0.781	191.2	137.6639493	139.076231	No
21.49	0.619	200.5	143.7762629	143.7786178	No
21.49	0.747	194.2	139.1784222	138.1747476	No
21.48	0.745	190.6	137.4099861	136.3965461	No

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7/26/2019	21:07	20.76	0.169
7/26/2019	21:08	20.75	0.133
7/26/2019	21:09	20.75	0.216
7/26/2019	21:10	20.73	0.253
7/26/2019	21:11	20.71	0.176
7/26/2019	21:12	20.69	0.143
7/26/2019	21:13	20.68	0.169
7/26/2019	21:14	20.67	0.192
7/26/2019	21:15	20.65	0.182
7/26/2019	21:16	20.64	0.163
7/26/2019	21:17	20.62	0.167
7/26/2019	21:18	20.62	0.21
7/26/2019	21:19	20.6	0.24
7/26/2019	21:20	20.59	0.238
7/26/2019	21:21	20.58	0.263
7/26/2019	21:22	20.58	0.238
7/26/2019	21:23	20.57	0.24
7/26/2019	21:24	20.56	0.287
7/26/2019	21:25	20.55	0.288
7/26/2019	21:26	20.55	0.381
7/26/2019	21:27	20.54	0.242
7/26/2019	21:28	20.52	0.281
7/26/2019	21:29	20.51	0.289
7/26/2019	21:30	20.49	0.273
7/26/2019	21:31	20.47	0.265
7/26/2019	21:32	20.45	0.256
7/26/2019	21:33	20.43	0.286
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7/26/2019	21:36	20.37	0.244
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7/26/2019	21:38	20.33	0.222
7/26/2019	21:39	20.31	0.168
7/26/2019	21:40	20.29	0.208
7/26/2019	21:41	20.27	0.206
7/26/2019	21:42	20.25	0.216
7/26/2019	21:43	20.23	0.245
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7/26/2019	21:46	20.19	0.328
7/26/2019	21:47	20.19	0.323
7/26/2019	21:48	20.2	0.316
7/26/2019	21:49	20.2	0.283
7/26/2019	21:50	20.2	0.291
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159.1	145.8778326	20.47
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164.7	141.0459134	20.42
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0.299	141.4
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0.289	162
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0.307	181.3
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0.487	159.5	145.4751667	20.86	0.615	154.5	151.2154981
0.421	165.6	140.4224336	20.83	0.547	156.9	148.2635581
0.419	165.1	140.7638403	20.8	0.56	153.8	152.1495751
0.428	161.4	143.6871825	20.78	0.576	157.4	147.6953406
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0.418	168	138.952495	20.7	0.479	158.8	146.1859844
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0.378	183.9	135.6313781	20.67	0.491	172.9	136.7766005
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0.35	195.7	140.0933217	20.62	0.541	186.2	136.0270567
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0.416	185.1	135.8102214	20.59	0.604	178.7	135.5454083
0.475	175.5	136.0492916	20.57	0.62	170.7	137.6205085
0.535	169.8	138.0276292	20.56	0.574	162.8	142.4968525
0.502	166.3	139.9650888	20.56	0.624	161.5	143.5986496
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0.46	161.1	143.9560723	20.54	0.582	155.3	150.1891937
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21.44	0.69	183.1	135.5454083	138.0820452	No
21.42	0.629	180	135.4622116	142.075993	No
21.4	0.574	177.2	135.7284098	139.1154473	No
21.4	0.532	170.1	137.8878733	150.0701981	No
21.38	0.49	156.2	149.0856146	180.2606058	Yes
21.37	0.542	136.4	189.898934	156.7814452	No
21.34	0.588	130.5	183.3515534	149.8375637	No
21.34	0.601	130.4	183.0874794	157.7774253	No
21.33	0.622	136.8	188.6095808	174.7334953	No
21.3	0.651	141.3	175.7860767	187.438799	Yes
21.3	0.618	147.4	162.4269132	175.2039443	Yes
21.27	0.578	147.6	162.0534901	174.9074882	No
21.25	0.601	148.1	161.1359522	176.1327205	Yes
21.26	0.603	153.2	152.9777221	173.4872981	No
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21.25	0.736	155.8	149.5695304	158.5589022	No
21.24	0.804	156.5	148.729472	156.8623195	No
21.21	0.84	155.4	150.0639356	162.855775	No
21.19	0.788	154.4	151.3468538	161.418279	No
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21.14	0.802	156.5	148.729472	154.8742826	No
21.12	0.807	153.4	152.6988115	162.6500263	No
21.09	0.799	156.3	148.9662571	151.8212901	No
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21.05	0.783	160.7	144.3223303	147.0445733	No
21.01	0.721	161.8	143.3363204	143.6770044	No
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20.93	0.685	163.1	142.25535	144.7123145	No
20.9	0.693	163.2	142.1758963	142.621796	No
20.88	0.661	164.5	141.1899582	141.4730773	No
20.86	0.666	163.8	141.7100752	144.8391877	No
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20.74	0.702	189.9	137.1338452	138.1022007	No
20.73	0.715	186.9	136.1915717	135.7068377	No
20.71	0.772	180.2	135.4556091	137.7089498	No
20.7	0.804	172	137.0961561	141.1976202	No
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20.65	0.764	159.9	145.0817692	166.0846327	No

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7/26/2019	22:04	20.26	0.48
7/26/2019	22:05	20.28	0.538
7/26/2019	22:06	20.29	0.563
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7/26/2019	22:08	20.29	0.542
7/26/2019	22:09	20.3	0.409
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7/26/2019	22:14	20.36	0.528
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7/26/2019	22:18	20.44	0.55
7/26/2019	22:19	20.45	0.472
7/26/2019	22:20	20.45	0.602
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7/26/2019	22:43	20.27	0.394
7/26/2019	22:44	20.24	0.365

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165.7	140.355632	20.18
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176.9	135.7762441	20.35
177	135.759882	20.37
163.8	141.7100752	20.39
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172.2	137.0220917	20.44
169.7	138.0751192	20.44
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178	135.6191797	20.41
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184.1	135.6570213	20.41
182.3	135.4859439	20.42
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178.6	135.5547035	20.46
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175.1	136.1424529	20.44
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177.7	135.6570213	20.4
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0.816	164.5	141.1899582	20.6	0.879	158.3	146.7114396
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0.846	170.2	137.8421902	20.65	1.009	164.3	141.3360215
0.695	171.1	137.4512019	20.66	1.021	164.5	141.1899582
0.815	173.3	136.6458601	20.66	1.102	166.3	139.9650888
0.719	173.7	136.5220169	20.68	1.151	167.3	139.3528135
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0.904	177.1	135.7439374	20.71	1.028	170.9	137.5349652
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0.891	175.5	136.0492916	20.74	1.192	169.2	138.3193881
0.994	177.7	135.6570213	20.77	1.237	169.3	138.2696225
0.832	175.5	136.0492916	20.79	1.17	169.4	138.2203136
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0.955	177.8	135.6439919	20.81	1.222	168.1	138.8971847
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0.825	174.9	136.1915717	20.82	0.996	167.5	139.23608
0.935	178.5	135.564413	20.8	1.123	171	137.4928614
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0.922	179.6	135.4803714	20.82	0.978	172.5	136.9142707
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20.79	1.246	172	137.0961561	139.3874645	No
20.79	1.034	172.3	136.9857152	139.1304697	No
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20.81	1.151	174.6	136.2684311	139.0802297	No
20.83	1.304	178.9	135.52806	136.8499379	No
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0.758	168.5	138.6806025	19.86	0.974	158.6	146.3943767
0.792	169.5	138.1714606	19.85	0.969	159.6	145.3759529
0.706	166.2	140.0289626	19.84	0.908	160	144.9848547
0.725	167.6	139.1784222	19.83	0.942	160.1	144.8885107
0.732	169.3	138.2696225	19.82	1.042	159.3	145.6753339
0.763	168.5	138.6806025	19.83	1.002	157.9	147.1426245
0.774	168.6	138.6276173	19.83	1.056	159.8	145.1792559
0.742	166.6	139.7763685	19.83	1.001	157.8	147.2519401
0.829	168.5	138.6806025	19.82	1.099	161.1	143.9560723
0.864	167.8	139.0645196	19.81	1.089	161.8	143.3363204
0.833	169.2	138.3193881	19.81	1.083	160	144.9848547
0.843	169.5	138.1714606	19.81	1.147	163.6	141.8632814
0.954	170	137.9340071	19.81	1.11	163.3	142.096964
0.811	169.6	138.1230627	19.82	1.182	162.7	142.5784051
0.907	169.7	138.0751192	19.83	1.028	164.3	141.3360215
0.924	172.2	137.0220917	19.84	1.141	165.3	140.6257933
0.837	175.2	136.1185285	19.85	1.204	167.4	139.2942101
0.963	173.6	136.5523328	19.87	1.142	168.4	138.734051
0.896	174	136.4336422	19.87	1.268	166.4	139.9016992
1.035	174.9	136.1915717	19.89	1.277	166	140.1581671
1.015	174.7	136.2423866	19.91	1.279	167.2	139.411891
1.031	173.6	136.5523328	19.92	1.211	167.2	139.411891
0.874	176.2	135.9024875	19.92	1.115	168.5	138.6806025
0.846	177.2	135.7284098	19.9	1.192	172.9	136.7766005
0.938	176.5	135.8458714	19.89	1.113	172.1	137.0589052
0.801	178.4	135.5745369	19.89	1.134	169.6	138.1230627

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20.66	1.018	177.4	135.6986053	137.1629873	No
20.62	1.034	177.2	135.7284098	137.3040043	No
20.6	1.05	175.2	136.1185285	140.1190127	No
20.57	1.012	176.1	135.9221983	137.0693825	No
20.54	1.108	177.1	135.7439374	138.3693913	No
20.52	1.147	177.5	135.6843278	136.8253089	No
20.51	1.239	178.7	135.5454083	136.7080542	No
20.49	1.205	177.9	135.6313781	137.0793724	No
20.47	1.207	179.7	135.475212	136.9663262	No
20.45	1.171	179.3	135.4983288	138.0204052	No
20.43	1.154	176.6	135.8278372	137.3537764	No
20.4	1.073	176.9	135.7762441	137.7193098	No
20.37	1.026	178	135.6191797	137.6701801	No
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20.02	1.103	171.2	137.4099861	142.2379937	No
19.99	1.109	170.5	137.7078372	142.5208214	No
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19.98	1.175	169.3	138.2696225	141.5526884	No
19.97	1.188	168.9	138.471433	143.665954	No
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19.96	1.173	171.2	137.4099861	141.0687665	No
19.95	1.233	172.1	137.0589052	141.466355	No
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19.97	1.162	170.2	137.8421902	140.52632	No
19.97	1.299	173.4	136.6142539	140.5454073	No
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193	138.5230334	19.71
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190.8	137.4928614	19.69
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187.2	136.2684311	19.68
188.7	136.7103661	19.68
191.2	137.6639493	19.67
188.2	136.5523328	19.67
193.7	138.8971847	19.65
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178.2	135.5960285	19.26
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19.89	1.102	185.2	135.8278372	135.7611083	No
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7/27/2019	0:34	19.03	0.514
7/27/2019	0:35	19.04	0.506
7/27/2019	0:36	19.05	0.558
7/27/2019	0:37	19.06	0.503
7/27/2019	0:38	19.06	0.524
7/27/2019	0:39	19.07	0.479
7/27/2019	0:40	19.07	0.562
7/27/2019	0:41	19.07	0.544
7/27/2019	0:42	19.06	0.468
7/27/2019	0:43	19.06	0.505
7/27/2019	0:44	19.05	0.486
7/27/2019	0:45	19.05	0.5
7/27/2019	0:46	19.05	0.55
7/27/2019	0:47	19.04	0.433
7/27/2019	0:48	19.04	0.483
7/27/2019	0:49	19.05	0.547
7/27/2019	0:50	19.05	0.562
7/27/2019	0:51	19.05	0.503
7/27/2019	0:52	19.04	0.483
7/27/2019	0:53	19.03	0.492
7/27/2019	0:54	19.01	0.455
7/27/2019	0:55	18.99	0.478
7/27/2019	0:56	18.97	0.467
7/27/2019	0:57	18.95	0.385
7/27/2019	0:58	18.92	0.427
7/27/2019	0:59	18.89	0.324
7/27/2019	1:00	18.86	0.333
7/27/2019	1:01	18.82	0.358
7/27/2019	1:02	18.78	0.359
7/27/2019	1:03	18.75	0.432
7/27/2019	1:04	18.73	0.311
7/27/2019	1:05	18.72	0.49
7/27/2019	1:06	18.73	0.545
7/27/2019	1:07	18.75	0.542
7/27/2019	1:08	18.76	0.509
7/27/2019	1:09	18.78	0.596
7/27/2019	1:10	18.79	0.478
7/27/2019	1:11	18.8	0.552
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7/27/2019	1:13	18.81	0.591
7/27/2019	1:14	18.82	0.707
7/27/2019	1:15	18.84	0.559
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7/27/2019	1:17	18.86	0.498

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177.5	135.6843278	19.02
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170.7	137.6205085	18.98
173.7	136.5220169	18.98
176.2	135.9024875	18.98
176	135.9423289	18.98
172.6	136.8792016	18.99
176.7	135.8102214	19.01
176.6	135.8278372	19.02
182.1	135.475212	19.03
175.9	135.9628798	19.04
179.3	135.4983288	19.03
170.7	137.6205085	19.02
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181	135.4457063	19.02
187	136.2167669	19.01
179.3	135.4983288	19.01
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179.7	135.475212	18.98
175.1	136.1424529	18.96
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173	136.743267	18.75
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193.8	138.952495	18.72
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173.7	136.5220169	18.82

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0.565	178.2
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0.685	182.7
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0.829	174.7
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0.858	172.2	137.0220917	19.4	1.051	164.7	141.0459134
0.929	171.5	137.2889944	19.4	1.132	167.7	139.1212357
0.897	172.8	136.810367	19.41	1.14	167.8	139.0645196
0.872	172.9	136.7766005	19.41	1.187	165	140.8336095
0.988	175.4	136.0719483	19.43	1.322	168	138.952495
0.981	175.3	136.0950271	19.45	1.105	167.8	139.0645196
0.956	175.8	135.9838512	19.46	1.225	168.8	138.5230334
0.926	177	135.759882	19.47	1.269	168.8	138.5230334
0.895	173.9	136.4626721	19.46	1.057	166.9	139.5919783
0.913	171.9	137.1338452	19.44	1.108	166.8	139.6529623
0.965	175.8	135.9838512	19.43	1.111	170.8	137.577514
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0.92	180.2	135.4556091	19.41	1.135	173.5	136.5830783
0.912	178.8	135.5365272	19.4	1.137	170.6	137.6639493
0.879	179.1	135.5123672	19.41	1.183	171.3	137.3692134
0.955	175.8	135.9838512	19.4	1.073	170.3	137.796957
0.896	177.3	135.7132992	19.4	1.099	171.5	137.2889944
0.924	177.7	135.6570213	19.41	1.227	169.1	138.3696112
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0.957	172.9	136.7766005	19.44	1.055	170	137.9340071
0.908	172	137.0961561	19.43	1.142	165.1	140.7638403
0.912	173.2	136.6778973	19.42	1.106	168.1	138.8971847
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0.69	168.4	138.734051	19.18	0.907	163.3	142.096964
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0.648	183.7	135.6073966	19.03	1.004	177.2	135.7284098
0.91	189.5	136.9857152	19.07	0.979	183.5	135.5850754
0.955	189.9	137.1338452	19.13	1.213	184.1	135.6570213
0.98	187.8	136.4336422	19.21	1.181	182.3	135.4859439
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1.089	182.9	135.52806	19.28	1.193	171.9	137.1338452
0.93	178.1	135.6073966	19.27	1.19	172.5	136.9142707
1.034	176.4	135.8643244	19.27	1.12	169.5	138.1714606
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1.025	175.5	136.0492916	19.23	1.194	168.4	138.734051
1.134	175.1	136.1424529	19.24	1.346	168.9	138.471433
1.043	168.9	138.471433	19.26	1.232	161.7	143.4232201
0.969	166.8	139.6529623	19.23	1.13	160.8	144.2299319
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19.56	1.036	177.4	135.6986053	137.6556877	No
19.55	1.102	176.6	135.8278372	138.0405667	No
19.54	1.239	177	135.759882	138.666591	No
19.53	1.215	175.1	136.1424529	139.956651	No
19.53	1.27	176.1	135.9221983	138.5670671	No
19.55	1.224	176.8	135.7930238	138.2418331	No
19.55	1.287	172.7	136.8445673	138.2861293	No
19.58	1.365	175.9	135.9628798	137.6460619	No
19.59	1.305	177.5	135.6843278	137.8147723	No
19.59	1.337	178.4	135.5745369	137.2405848	No
19.6	1.327	176	135.9423289	137.2056618	No
19.59	1.31	177.9	135.6313781	137.9176231	No
19.57	1.21	173	136.743267	138.5564485	No
19.55	1.21	177.5	135.6843278	137.3753154	No
19.54	1.289	175.1	136.1424529	137.7522396	No
19.53	1.254	179.3	135.4983288	136.4139636	No
19.52	1.302	178.2	135.5960285	136.5741113	No
19.53	1.16	179.8	135.4704656	136.1891937	No
19.53	1.266	179.2	135.5051412	137.2725166	No
19.53	1.305	180.7	135.4463252	136.4712447	No
19.54	1.262	178.8	135.5365272	136.5626474	No
19.56	1.31	180.9	135.4455	136.9514745	No
19.56	1.31	178.1	135.6073966	137.8347869	No
19.55	1.266	172.1	137.0589052	139.4854703	No
19.54	1.167	173.6	136.5523328	137.7542493	No
19.5	1.202	172.7	136.8445673	138.4707402	No
19.48	1.193	177.3	135.7132992	136.392199	No
19.44	1.176	176.6	135.8278372	137.9341712	No
19.43	1.212	178.4	135.5745369	136.8527601	No
19.39	1.108	175.7	136.0052434	137.9557693	No
19.35	1.181	171.3	137.3692134	139.6051084	No
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19.22	0.979	171.7	137.21054	139.119273	No
19.17	0.998	177.3	135.7132992	138.327737	No
19.15	1.093	180.4	135.4506575	136.5901314	No
19.15	1.043	184.9	135.7762441	135.6357747	No
19.16	1.049	186.8	136.1668004	135.7976751	No
19.19	1.247	192.9	138.471433	136.1822544	No
19.26	1.361	192	138.0276292	137.0029482	No
19.34	1.36	193.1	138.5750946	136.5490543	No
19.38	1.36	188.1	136.5220169	135.6652988	No
19.4	1.389	181.1	135.4463252	136.1023583	No
19.4	1.287	182.8	135.5200067	136.1637934	No
19.39	1.37	179.6	135.4803714	137.6748021	No
19.37	1.271	177.3	135.7132992	137.9105853	No
19.35	1.317	176.2	135.9024875	137.6365512	No
19.36	1.486	175.5	136.0492916	137.7139317	No
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19.34	1.323	166.8	139.6529623	141.4796725	No
19.32	1.296	168.1	138.8971847	140.978993	No

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7/27/2019	1:25	18.6	0.354
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7/27/2019	1:28	18.53	0.315
7/27/2019	1:29	18.5	0.402
7/27/2019	1:30	18.49	0.387
7/27/2019	1:31	18.47	0.337
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7/27/2019	1:33	18.45	0.398
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7/27/2019	1:37	18.44	0.413
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7/27/2019	1:39	18.44	0.367
7/27/2019	1:40	18.44	0.436
7/27/2019	1:41	18.43	0.328
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7/27/2019	1:45	18.38	0.288
7/27/2019	1:46	18.36	0.371
7/27/2019	1:47	18.35	0.492
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7/27/2019	1:49	18.34	0.44
7/27/2019	1:50	18.33	0.418
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7/27/2019	1:57	18.35	0.472
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167.6	139.1784222	18.44
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0.608	154.8
0.564	156.7
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0.763	151.9
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0.707	151.9
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149.2056183	18.42
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146.7114396	18.42
157.8499471	18.42
154.8621634	18.44
156.3989918	18.44
154.8621634	18.44
156.8753741	18.44
148.379085	18.45
157.6854758	18.45
160.5962459	18.46
159.0245589	18.46
162.8040494	18.46
158.0152438	18.46
159.0245589	18.47
156.7157803	18.47
153.5442409	18.47
149.0856146	18.46
146.1859844	18.45
147.2519401	18.44
151.7450728	18.44

0.771	164	141.5589225	19.18	1.082	161	144.0468045
0.785	157.7	147.3618674	19.13	0.814	157.7	147.3618674
0.58	158.2	146.8183282	19.06	0.849	156.8	148.379085
0.787	159.4	145.5749597	18.99	0.801	159.3	145.6753339
0.76	163.4	142.0185516	18.92	0.752	163.1	142.25535
0.679	162.8	142.4968525	18.86	0.774	163.2	142.1758963
0.719	162.4	142.8262379	18.82	0.872	159.8	145.1792559
0.718	160.6	144.4152874	18.79	0.866	160.3	144.6975271
0.701	163	142.3353263	18.77	0.898	160.2	144.7927354
0.761	160.9	144.1380905	18.74	0.842	161.6	143.5106627
0.72	165.2	140.6945686	18.71	0.882	160	144.9848547
0.818	160.2	144.7927354	18.69	0.889	160.7	144.3223303
0.781	158.1	146.9258206	18.67	0.824	157.3	147.8077356
0.762	155.2	150.3151193	18.66	0.95	153.3	152.8379067
0.843	152.8	153.5442409	18.66	1.035	152.4	154.1225109
0.896	155.8	149.5695304	18.65	0.951	154.5	151.2154981
0.874	157.9	147.1426245	18.64	0.997	156.8	148.379085
0.81	159.5	145.4751667	18.65	0.915	157.8	147.2519401
0.768	163.9	141.6342428	18.67	0.987	160.5	144.5088047
0.796	162.3	142.9099119	18.69	0.983	162.3	142.9099119
0.887	166.4	139.9016992	18.69	0.905	161	144.0468045
0.872	161.8	143.3363204	18.68	0.884	159.9	145.0817692
0.824	162.8	142.4968525	18.68	0.883	162.9	142.4158267
0.741	163.1	142.25535	18.67	0.85	160.5	144.5088047
0.79	159.5	145.4751667	18.67	0.958	158.9	146.0826775
0.798	162.9	142.4158267	18.64	0.858	160.5	144.5088047
0.769	160.9	144.1380905	18.63	1.057	160.9	144.1380905
0.708	164.1	141.484113	18.6	0.92	160.2	144.7927354
0.777	162.8	142.4968525	18.57	0.965	161.2	143.8658923
0.903	164.5	141.1899582	18.55	0.94	160.8	144.2299319
0.913	161.1	143.9560723	18.54	0.92	160.8	144.2299319
0.831	161.3	143.7762629	18.55	1.021	160.4	144.6028841
0.876	160.1	144.8885107	18.55	0.996	157.1	148.034394
0.931	153.9	152.0140384	18.56	1.081	152.7	153.6876994
0.873	155.2	150.3151193	18.56	1.136	151.5	155.4675767
0.953	150.6	156.8753741	18.56	1.007	154	151.8792052
0.891	151.7	155.1633342	18.55	0.987	153.4	152.6988115
0.885	156.6	148.6120398	18.56	1.071	154.5	151.2154981
0.822	159.6	145.3759529	18.56	1.12	159.1	145.8778326
0.895	153.9	152.0140384	18.57	0.963	156.9	148.2635581
0.81	156.6	148.6120398	18.58	1.161	153.6	152.4227699
0.963	152	154.712722	18.58	0.977	151.3	155.7749165
0.851	148.8	159.8890273	18.59	1.039	150.7	156.7157803
0.935	151.9	154.8621634	18.58	1.124	151.1	156.0853794
0.89	156.8	148.379085	18.59	1.078	152.7	153.6876994
0.986	154.5	151.2154981	18.59	1.101	153.2	152.9777221
0.853	157.8	147.2519401	18.59	0.968	157.2	147.9207527
0.974	161	144.0468045	18.58	0.998	160.3	144.6975271
0.735	161.3	143.7762629	18.57	1.065	158.2	146.8183282
0.917	162.9	142.4158267	18.56	1.121	161.4	143.6871825
1.031	157.3	147.8077356	18.56	1.184	157.2	147.9207527

19.28	1.154	168.5	138.6806025	143.0732215	No
19.22	1.054	162.4	142.8262379	147.9087845	No
19.14	0.975	162.3	142.9099119	149.112972	No
19.07	1.053	162.4	142.8262379	146.9416998	No
19	0.987	168.8	138.5230334	142.0664097	No
18.94	0.974	168.8	138.5230334	142.1416456	No
18.9	1.057	165.9	140.2234999	145.8002895	No
18.89	1.068	163.7	141.786421	145.2430847	No
18.86	0.998	164.9	140.9038772	144.2800064	No
18.84	1.035	166	140.1581671	144.5733226	No
18.82	0.995	167.3	139.3528135	142.5584496	No
18.81	1.102	164.4	141.262737	145.3748837	No
18.78	1.066	163.2	142.1758963	146.3118382	No
18.77	1.075	158.6	146.3943767	152.7540093	No
18.76	1.141	155.1	150.441715	152.6188967	No
18.74	1.224	157.3	147.8077356	151.2280857	No
18.75	1.196	162.1	143.0788632	146.5985855	No
18.77	1.122	161.8	143.3363204	146.7089328	No
18.78	1.119	165.2	140.6945686	143.707346	No
18.81	1.124	165.4	140.557513	142.6515957	No
18.82	1.064	165.7	140.355632	142.6442348	No
18.82	1.152	164.4	141.262737	144.5448838	No
18.81	1.151	167.2	139.411891	142.3975672	No
18.8	1.076	164.9	140.9038772	144.3601218	No
18.78	1.136	163.2	142.1758963	145.3964577	No
18.76	1.16	163.3	142.096964	145.2609969	No
18.73	1.063	165.7	140.355632	143.6012143	No
18.69	1.052	165.5	140.4897269	142.2001353	No
18.66	1.015	164.6	141.1176841	142.7060222	No
18.63	1.221	166.7	139.7144254	143.2307037	No
18.63	1.211	164.9	140.9038772	146.0257655	No
18.64	1.131	163	142.3353263	144.107377	No
18.63	1.186	162.1	143.0788632	145.2610394	No
18.66	1.206	158.8	146.1859844	152.7560234	No
18.65	1.163	158.5	146.4994658	151.5549548	No
18.66	1.256	156.8	148.379085	154.7826006	No
18.65	1.202	155.7	149.6921424	152.1505354	No
18.66	1.247	157.5	147.5835656	150.3739118	No
18.66	1.126	163.5	141.9406579	145.2979482	No
18.66	1.223	157.3	147.8077356	151.1953501	No
18.66	1.208	158.4	146.6051528	150.1047548	No
18.66	1.271	155.1	150.441715	152.9220234	No
18.66	1.245	155.1	150.441715	158.3101881	No
18.66	1.253	155.4	150.0639356	153.0531871	No
18.66	1.184	158	147.0339187	153.1095493	No
18.66	1.321	157	148.1486618	151.331072	No
18.66	1.145	161.5	143.5986496	147.3356817	No
18.65	1.251	166	140.1581671	145.8014748	No
18.65	1.144	167	139.5314724	144.1237502	No
18.65	1.202	166.3	139.9650888	142.7547247	No
18.65	1.415	161.4	143.6871825	148.4669844	No

7/27/2019	2:09	18.35	0.516
7/27/2019	2:10	18.36	0.573
7/27/2019	2:11	18.37	0.468
7/27/2019	2:12	18.37	0.485
7/27/2019	2:13	18.38	0.429
7/27/2019	2:14	18.38	0.445
7/27/2019	2:15	18.4	0.521
7/27/2019	2:16	18.4	0.452
7/27/2019	2:17	18.4	0.502
7/27/2019	2:18	18.4	0.555
7/27/2019	2:19	18.41	0.448
7/27/2019	2:20	18.4	0.431
7/27/2019	2:21	18.4	0.477
7/27/2019	2:22	18.38	0.5
7/27/2019	2:23	18.38	0.48
7/27/2019	2:24	18.38	0.444
7/27/2019	2:25	18.38	0.521
7/27/2019	2:26	18.39	0.486
7/27/2019	2:27	18.4	0.421
7/27/2019	2:28	18.39	0.343
7/27/2019	2:29	18.38	0.369
7/27/2019	2:30	18.37	0.377
7/27/2019	2:31	18.35	0.327
7/27/2019	2:32	18.33	0.26
7/27/2019	2:33	18.31	0.307
7/27/2019	2:34	18.28	0.387
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7/27/2019	2:36	18.23	0.268
7/27/2019	2:37	18.21	0.286
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7/27/2019	2:45	18.05	0.305
7/27/2019	2:46	18.03	0.292
7/27/2019	2:47	18.02	0.271
7/27/2019	2:48	18.02	0.263
7/27/2019	2:49	18.01	0.216
7/27/2019	2:50	18	0.332
7/27/2019	2:51	18	0.34
7/27/2019	2:52	17.99	0.352
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7/27/2019	2:55	18	0.34
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170.9	137.5349652	18.29
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169.9	137.9805921	18.31
177.5	135.6843278	18.31
170.8	137.577514	18.32
168.7	138.5750946	18.33
173.4	136.6142539	18.33
170.2	137.8421902	18.33
168.6	138.6276173	18.33
169.4	138.2203136	18.31
167.8	139.0645196	18.31
173.5	136.5830783	18.31
167.1	139.4714437	18.31
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169.4	138.2203136	18.32
171	137.4928614	18.31
167.3	139.3528135	18.3
176.3	135.8831963	18.29
169.8	138.0276292	18.27
173.1	136.7103661	18.25
176.4	135.8643244	18.22
169.3	138.2696225	18.2
172.9	136.7766005	18.17
172	137.0961561	18.15
179.5	135.4859439	18.13
163.1	142.25535	18.1
175	136.1668004	18.08
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189.2	136.8792016	18.05
181.6	135.4556091	18.03
179.2	135.5051412	18.01
170.5	137.7078372	17.99
171.9	137.1338452	17.97
176.2	135.9024875	17.95
175.7	136.0052434	17.94
183.5	135.5850754	17.93
179.4	135.4919297	17.92
178.7	135.5454083	17.92
169.4	138.2203136	17.92
171.6	137.249547	17.91
179.1	135.5123672	17.91
170.8	137.577514	17.92
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178.3	135.5850754	17.97
189.8	137.0961561	18.01

0.87	150.5
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0.744	153.5
0.787	157.7
0.713	159.3
0.861	156.5
0.799	166.9
0.694	162.7
0.882	163.8
0.986	161.9
0.793	167.3
0.81	167.3
0.638	162.8
0.766	162.8
0.844	161
0.846	161.2
0.785	154.9
0.736	160.8
0.674	161.3
0.626	166.6
0.607	167.7
0.569	168.8
0.462	168.1
0.528	172.1
0.541	167.6
0.664	168.3
0.568	173.3
0.598	169
0.49	166.5
0.513	167.2
0.527	169.4
0.496	176.1
0.529	173
0.472	168
0.481	173.3
0.402	166.6
0.438	171.8
0.53	166.2
0.567	164.9
0.545	168.1
0.517	170.4
0.606	168.3
0.605	167.5
0.538	166.9
0.699	169.9
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0.734	164.6
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0.879	176.6

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139.1212357	18.5
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139.1784222	18.41
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136.0719483	18.18
136.949775	18.21
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1.073	152.4	154.1225109	18.56	1.111	153	153.2595242
0.972	159	145.9799608	18.56	1.083	159.9	145.0817692
1.026	162.9	142.4158267	18.57	1.162	160	144.9848547
0.984	164.7	141.0459134	18.58	1.122	161.4	143.6871825
0.964	161.1	143.9560723	18.6	1.161	160.3	144.6975271
0.974	169.3	138.2696225	18.63	1.174	165.1	140.7638403
0.99	167.4	139.2942101	18.63	1.049	166.4	139.9016992
0.983	168	138.952495	18.63	1.234	166.7	139.7144254
1.087	171.5	137.2889944	18.65	1.331	163.3	142.096964
0.94	175	136.1668004	18.66	1.158	169.1	138.3696112
0.939	172.3	136.9857152	18.65	1.171	167.8	139.0645196
0.962	166.2	140.0289626	18.63	1.045	164.3	141.3360215
0.951	167.4	139.2942101	18.62	1.084	164.8	140.9746448
0.915	164.7	141.0459134	18.62	1.176	162	143.1641434
0.897	161.9	143.249962	18.62	1.247	162.2	142.9941199
1.056	163.7	141.786421	18.63	1.139	160.5	144.5088047
1.002	161.3	143.7762629	18.65	1.049	160.6	144.4152874
0.921	162.8	142.4968525	18.65	1.052	163.2	142.1758963
0.71	167	139.5314724	18.64	0.923	164.2	141.4098131
0.703	170.3	137.796957	18.62	0.915	166.3	139.9650888
0.733	172.9	136.7766005	18.6	0.875	168.4	138.734051
0.629	171.2	137.4099861	18.58	0.82	167.8	139.0645196
0.7	170.5	137.7078372	18.55	0.835	168.4	138.734051
0.721	174.3	136.3491176	18.53	0.796	171.2	137.4099861
0.751	171.8	137.171973	18.5	0.927	169.2	138.3193881
0.662	176.6	135.8278372	18.47	0.851	170.1	137.8878733
0.665	171.2	137.4099861	18.45	0.87	169.9	137.9805921
0.719	171	137.4928614	18.43	0.821	167.9	139.008273
0.701	167.6	139.1784222	18.4	0.779	167.4	139.2942101
0.668	175.7	136.0052434	18.39	0.815	169.7	138.0751192
0.586	178.2	135.5960285	18.38	0.755	169.8	138.0276292
0.538	177	135.759882	18.37	0.853	172.4	136.949775
0.697	173.3	136.6458601	18.36	0.724	173.1	136.7103661
0.632	174.1	136.4050401	18.34	0.755	172.3	136.9857152
0.668	169.5	138.1714606	18.34	0.674	169.2	138.3193881
0.652	173	136.743267	18.32	0.75	169.7	138.0751192
0.649	172.4	136.949775	18.3	0.85	169.1	138.3696112
0.708	173.9	136.4626721	18.31	0.93	169.6	138.1230627
0.697	169.7	138.0751192	18.3	0.867	170.3	137.796957
0.666	176	135.9423289	18.29	0.85	172.1	137.0589052
0.736	177	135.759882	18.29	0.872	169.6	138.1230627
0.748	168.7	138.5750946	18.28	0.936	167.7	139.1212357
0.782	167.8	139.0645196	18.28	0.779	169.8	138.0276292
0.822	174.1	136.4050401	18.29	1.077	168.8	138.5230334
0.789	169.7	138.0751192	18.29	1.038	168	138.952495
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0.984	176.6	135.8278372	18.31	1.035	169.9	137.9805921
0.866	177.1	135.7439374	18.33	0.991	174.1	136.4050401
0.946	179.4	135.4919297	18.36	1.201	176.6	135.8278372
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18.62	1.423	159.3	145.6753339	153.7881014	No
18.62	1.333	163	142.3353263	146.9630239	No
18.63	1.322	165	140.8336095	143.6347293	No
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18.68	1.333	165.2	140.6945686	144.3211926	No
18.71	1.223	168.3	138.7879636	139.1515083	No
18.7	1.33	168.6	138.6276173	139.3646606	No
18.71	1.29	171.9	137.1338452	139.4886274	No
18.74	1.462	169.7	138.0751192	140.3027537	No
18.75	1.301	174.6	136.2684311	137.6258697	No
18.74	1.285	173.7	136.5220169	138.3113096	No
18.72	1.235	171.9	137.1338452	140.6223635	No
18.71	1.288	168.7	138.5750946	140.2465053	No
18.71	1.302	169.1	138.3696112	141.8303452	No
18.71	1.253	166	140.1581671	141.6732631	No
18.72	1.438	163.4	142.0185516	144.1158989	No
18.74	1.331	162.7	142.5784051	143.6100084	No
18.74	1.242	166.6	139.7763685	141.6673313	No
18.72	1.086	169.3	138.2696225	139.5526289	No
18.7	1.036	169.5	138.1714606	139.0590237	No
18.68	1.041	174.8	136.2167669	137.4792203	No
18.66	0.998	174.8	136.2167669	138.3498299	No
18.64	0.986	175.2	136.1185285	137.5527899	No
18.62	1.031	174.5	136.2949008	137.2004626	No
18.6	1.061	175.6	136.0270567	138.1372368	No
18.56	0.878	174.9	136.1915717	136.7845428	No
18.54	0.966	173.6	136.5523328	137.7267567	No
18.52	1.029	175	136.1668004	137.9564678	No
18.5	0.951	172	137.0961561	140.0349683	No
18.49	0.943	174.8	136.2167669	137.1168692	No
18.49	0.852	175.9	135.9628798	136.2594464	No
18.47	0.876	180	135.4622116	136.5830314	No
18.46	0.967	177.2	135.7284098	136.9410826	No
18.45	0.903	176.7	135.8102214	136.3854392	No
18.45	0.937	177	135.759882	138.4937636	No
18.43	0.939	175.4	136.0719483	137.2810511	No
18.41	0.97	174.9	136.1915717	137.8127091	No
18.42	1.006	174.7	136.2423866	137.8737139	No
18.41	0.961	176.4	135.8643244	137.5885841	No
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18.39	1.03	178	135.6191797	137.0540792	No
18.39	1.071	173	136.743267	138.788181	No
18.4	1.093	172.6	136.8792016	138.4834185	No
18.4	1.18	174.8	136.2167669	137.1052582	No
18.41	1.101	173.7	136.5220169	138.417412	No
18.4	1.235	172.7	136.8445673	138.1741795	No
18.42	1.271	175.1	136.1424529	137.2858702	No
18.44	1.19	180.3	135.452927	135.9542386	No
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18.51	1.386	183.6	135.5960285	136.2085055	No

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0.759	168.2
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0.755	168.9
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188.9	136.7766005	17.79
190.4	137.328883	17.83
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182.9	135.52806	17.95
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1.46	185	135.7930238	18.18	1.652	176.4	135.8643244
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18.41	1.828	175.5	136.0492916	138.4017585	No
18.39	1.456	175.1	136.1424529	136.6094384	No
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18.39	1.69	178	135.6191797	137.3345935	No
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18.34	1.861	176.1	135.9221983	138.3362879	No
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18.09	1.624	181.6	135.4556091	136.0055289	No
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7/27/2019	6:19	17.66	0.443
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190	137.171973	17.75
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187.8	136.4336422	17.69
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208	152.1495751	17.65
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7/27/2019	6:45	18.14	0.726
7/27/2019	6:46	18.23	0.732
7/27/2019	6:47	18.33	0.66
7/27/2019	6:48	18.43	0.706
7/27/2019	6:49	18.51	0.539
7/27/2019	6:50	18.59	0.557
7/27/2019	6:51	18.68	0.555
7/27/2019	6:52	18.76	0.588
7/27/2019	6:53	18.84	0.628
7/27/2019	6:54	18.91	0.859
7/27/2019	6:55	19	0.679
7/27/2019	6:56	19.05	0.718
7/27/2019	6:57	19.11	1.034
7/27/2019	6:58	19.17	0.79
7/27/2019	6:59	19.24	0.876
7/27/2019	7:00	19.29	0.763
7/27/2019	7:01	19.36	0.618
7/27/2019	7:02	19.44	0.598
7/27/2019	7:03	19.52	0.555
7/27/2019	7:04	19.58	0.677
7/27/2019	7:05	19.64	0.811
7/27/2019	7:06	19.71	0.912
7/27/2019	7:07	19.79	0.638
7/27/2019	7:08	19.85	1.101
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7/27/2019	7:11	20	0.948
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191.8	137.9340071	17.86
191	137.577514	17.83
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199.7	143.0788632	17.77
199.6	142.9941199	17.75
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186.8	136.1668004	17.75
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183.4	135.5745369	17.77
191.8	137.9340071	17.77
182.8	135.5200067	17.78
191.2	137.6639493	17.82
195	139.6529623	17.87
195.3	139.8387928	17.9
181.3	135.4488008	17.92
182.6	135.5051412	17.93
194.2	139.1784222	17.98
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186.8	136.1668004	18.19
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190	137.171973	18.5
197.9	141.6342428	18.64
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190	137.171973	19.69
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187.8	136.4336422	20.67

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1.213	180.6
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1.228	186.8
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135.7930238	17.78
135.9628798	17.78
135.6313781	17.79
135.5454083	17.8
135.6191797	17.81
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136.0719483	17.89
135.4803714	17.92
135.8278372	17.94
135.9838512	17.96
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135.5547035	18.28
135.4473567	18.41
135.4506575	18.51
136.6142539	18.62
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135.5850754	19.16
135.4859439	19.22
135.4473567	19.26
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135.5960285	19.45
135.475212	19.51
135.5365272	19.6
136.1668004	19.66
135.9221983	19.71
135.5745369	19.77
135.5051412	19.84
136.0270567	19.92
135.6313781	19.99
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136.8445673	20.1
135.9628798	20.15
140.6945686	20.2
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0.889	183	135.5365272	17.88	1.074	179.9	135.4661321
0.757	187.5	136.3491176	17.86	0.9	180.3	135.452927
0.871	194.6	139.411891	17.83	1.031	183.7	135.6073966
0.84	194.1	139.1212357	17.81	1.087	185.1	135.8102214
0.918	188.5	136.6458601	17.8	1.119	184.5	135.7132992
1.094	182	135.4704656	17.79	1.233	175.6	136.0270567
0.976	190.8	137.4928614	17.8	1.246	181.2	135.4473567
1.065	191.6	137.8421902	17.82	1.445	182.1	135.475212
1.022	185.3	135.8458714	17.83	1.404	178.1	135.6073966
0.993	189.9	137.1338452	17.83	1.239	179.4	135.4919297
1.052	185.1	135.8102214	17.85	1.235	178.4	135.5745369
0.993	185.4	135.8643244	17.87	1.349	178.8	135.5365272
1.253	186.2	136.0270567	17.9	1.359	175.8	135.9838512
0.994	188.4	136.6142539	17.93	1.467	180.4	135.4506575
1.131	181.8	135.4622116	17.95	1.239	176.6	135.8278372
1.237	181.9	135.4661321	17.97	1.224	175.6	136.0270567
1.046	187.5	136.3491176	18	1.327	179.9	135.4661321
1.28	187.7	136.4050401	18.05	1.274	181.8	135.4622116
1.365	187.1	136.2423866	18.14	1.732	180.7	135.4463252
1.233	187.7	136.4050401	18.23	1.522	180	135.4622116
1.545	188.9	136.7766005	18.32	1.668	180.9	135.4455
1.318	190.7	137.4512019	18.4	1.679	181.7	135.458704
1.386	183.5	135.5850754	18.48	1.496	175.6	136.0270567
1.474	186.1	136.0052434	18.56	1.798	180.7	135.4463252
1.159	187.1	136.2423866	18.62	1.458	182.5	135.4983288
1.036	195.2	139.7763685	18.66	1.41	186.5	136.0950271
1.108	186.9	136.1915717	18.71	1.461	179.4	135.4919297
1.199	194.3	139.23608	18.77	1.393	185.9	135.9628798
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1.357	192.3	138.1714606	19.36	1.72	183.6	135.5960285
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17.95	1.175	185.4	135.8643244	136.1087488	No
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17.89	1.147	192.5	138.2696225	138.4379304	No
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17.86	1.6	184.4	135.6986053	135.7339035	No
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17.89	1.459	190.4	137.328883	137.0392551	No
17.9	1.445	185.7	135.9221983	135.6617462	No
17.89	1.45	187.9	136.4626721	136.5013205	No
17.9	1.464	185.7	135.9221983	135.6125433	No
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17.98	1.511	188.2	136.5523328	136.8460189	No
17.99	1.487	184	135.6439919	135.6416717	No
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18.11	1.644	190.2	137.249547	136.2013245	No
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18.68	1.594	189.2	136.8792016	135.8235945	No
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18.79	1.43	186.6	136.1185285	135.7991255	No
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18.9	1.816	188.9	136.7766005	136.6232617	No
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19.39	1.869	189.6	137.0220917	136.4571843	No
19.46	1.771	189.7	137.0589052	137.2078686	No
19.51	1.892	191	137.577514	136.83476	No
19.58	2.228	190.1	137.21054	136.1892524	No
19.66	2.177	190.4	137.328883	138.4052784	No
19.73	1.765	190.5	137.3692134	137.3646599	No
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20.05	2.556	186.4	136.0719483	135.9875246	No

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7/27/2019	7:22	20.44	0.948
7/27/2019	7:23	20.46	0.763
7/27/2019	7:24	20.52	0.825
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7/27/2019	7:26	20.68	0.761
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7/27/2019	7:32	21.03	1.089
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7/27/2019	7:34	21.09	0.737
7/27/2019	7:35	21.12	0.994
7/27/2019	7:36	21.11	1.064
7/27/2019	7:37	21.12	0.792
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7/27/2019	7:39	21.16	1.15
7/27/2019	7:40	21.16	0.774
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1.841	202.7	145.8778326	20.03	2.221	190.3	137.2889944
2.144	204.3	147.5835656	20.03	2.544	191.6	137.8421902
1.603	196.2	140.4224336	20.05	1.83	187.8	136.4336422
1.83	193.3	138.6806025	20.1	2.08	183.5	135.5850754
1.909	187.3	136.2949008	20.16	1.996	181	135.4457063
1.989	194.7	139.4714437	20.17	2.202	188.9	136.7766005
1.948	196.4	140.557513	20.2	2.234	187.6	136.3768654
1.63	201.5	144.6975271	20.2	2.017	191.8	137.9340071
1.749	193.8	138.952495	20.25	1.96	188.4	136.6142539
1.444	198.8	142.3353263	20.29	1.739	190.8	137.4928614
1.527	198.1	141.786421	20.33	1.733	189.6	137.0220917
1.766	198.7	142.25535	20.36	2.184	187.3	136.2949008
1.875	189	136.810367	20.39	2.179	180.4	135.4506575
1.69	190.3	137.2889944	20.45	2.069	183	135.5365272
1.601	192.9	138.471433	20.51	1.839	185	135.7930238
1.494	199.3	142.7430964	20.56	1.808	189.4	136.949775
2.034	196.9	140.9038772	20.59	2.404	189.2	136.8792016
1.633	200.7	143.9560723	20.59	1.848	191.6	137.8421902
1.53	201.4	144.6028841	20.61	1.846	190.4	137.328883
1.912	200.7	143.9560723	20.64	2.357	193.2	138.6276173
1.896	205.2	148.6120398	20.64	2.297	195.1	139.7144254
1.74	201.4	144.6028841	20.65	2.082	192.3	138.1714606
1.848	198.5	142.096964	20.69	1.934	191.9	137.9805921
2.168	208	152.1495751	20.71	2.549	198.8	142.3353263
1.459	205.7	149.2056183	20.72	1.695	197.4	141.262737
1.493	196.5	140.6257933	20.83	1.737	189.3	136.9142707
1.59	200.8	144.0468045	20.9	1.934	193.3	138.6806025
1.558	210.9	156.3989918	20.94	1.934	203.3	146.4994658
1.425	201.3	144.5088047	20.99	1.68	198.5	142.096964
1.754	204.3	147.5835656	21.03	2.07	198.2	141.8632814
1.801	203	146.1859844	21.03	2.21	195.3	139.8387928
2.202	203.7	146.9258206	21.02	2.48	194.1	139.1212357
2.029	200.1	143.4232201	21.04	2.499	190.2	137.249547
1.814	200.2	143.5106627	21.08	2.137	191.6	137.8421902
1.493	198.6	142.1758963	21.15	1.883	194.4	139.2942101
1.688	191.8	137.9340071	21.26	2.148	188.2	136.5523328
2.107	194	139.0645196	21.32	2.536	187.9	136.4626721
2.065	204.1	147.3618674	21.26	2.447	197.6	141.4098131
1.861	203.1	146.2898835	21.26	2.179	193.6	138.8423412
2.103	198.9	142.4158267	21.3	2.612	191.4	137.7521729
2.245	197.5	141.3360215	21.29	2.726	190.5	137.3692134
1.926	199.2	142.6604859	21.3	2.305	194.6	139.411891
1.992	204	147.2519401	21.36	2.255	194.4	139.2942101
2.269	201.6	144.7927354	21.38	2.291	194.2	139.1784222
2.168	200.4	143.6871825	21.38	2.667	193.9	139.008273
1.811	204	147.2519401	21.43	2.095	197.5	141.3360215
1.707	201.9	145.0817692	21.48	2.266	195.8	140.1581671
1.88	200.6	143.8658923	21.54	2.132	192.9	138.471433
2.149	206.9	150.6969261	21.55	2.701	199	142.4968525
2.083	195	139.6529623	21.55	2.424	190.4	137.328883

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20.11	2.397	201.4	144.6028841	141.5893637	No
20.12	2.768	201.9	145.0817692	143.3756702	No
20.15	2.063	195.8	140.1581671	137.815823	No
20.19	2.465	196	140.2893212	137.3092077	No
20.23	2.451	189.2	136.8792016	135.8674353	No
20.24	2.591	195.6	140.0289626	139.7306165	No
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20.31	2.293	196.3	140.4897269	137.9624202	No
20.34	1.953	198.9	142.4158267	141.5525796	No
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20.48	2.476	191.1	137.6205085	136.1711725	No
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20.65	2.142	199.2	142.6604859	141.4769201	No
20.69	2.158	201.9	145.0817692	142.0305356	No
20.71	2.546	202.5	145.6753339	141.1537093	No
20.71	2.481	205.1	148.4952449	143.8231786	No
20.72	2.302	201.3	144.5088047	141.7656676	No
20.76	2.377	205.1	148.4952449	139.6918047	No
20.77	2.909	207.1	150.9548471	147.9897131	No
20.78	1.983	208.5	152.8379067	144.4483886	No
20.89	1.836	197.4	141.262737	138.4980223	No
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21.06	2.489	205.9	149.4475739	143.4802904	No
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21.35	2.938	197.2	141.1176841	137.4037688	No
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21.36	2.878	201.1	144.3223303	140.8060952	No
21.35	3.139	199.4	142.8262379	140.1728786	No
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21.4	2.666	204	147.2519401	142.4678236	No
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21.41	3.109	202.1	145.2773166	142.1457352	No
21.45	2.46	205.2	148.6120398	145.1922502	No
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21.57	3.032	208.1	152.2858181	147.1243271	No
21.57	2.803	198.9	142.4158267	138.2924389	No

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7/27/2019	8:07	22.15	0.944
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7/27/2019	8:09	22.15	0.934
7/27/2019	8:10	22.2	1.205
7/27/2019	8:11	22.21	0.786
7/27/2019	8:12	22.23	0.993
7/27/2019	8:13	22.21	0.962
7/27/2019	8:14	22.27	0.838
7/27/2019	8:15	22.31	0.996
7/27/2019	8:16	22.34	0.674
7/27/2019	8:17	22.44	0.857
7/27/2019	8:18	22.48	0.94
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7/27/2019	8:20	22.6	0.742
7/27/2019	8:21	22.66	1.006
7/27/2019	8:22	22.68	0.824
7/27/2019	8:23	22.79	1.002
7/27/2019	8:24	22.8	0.91
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7/27/2019	8:26	22.8	0.933
7/27/2019	8:27	22.87	0.798
7/27/2019	8:28	22.86	1.034
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7/27/2019	8:35	23.19	0.805
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7/27/2019	8:44	23.7	0.942
7/27/2019	8:45	23.72	0.911
7/27/2019	8:46	23.73	0.967
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7/27/2019	8:48	23.71	0.728
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214	161.6837458	23.62
218.3	170.4972397	23.61
214.8	163.184934	23.57
214.3	162.2397397	23.58
213.8	161.3176459	23.68
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1.845	205.5	148.9662571	21.61	2.39	198.4	142.0185516
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1.435	205.3	148.729472	22	2.257	201.9	145.0817692
1.545	213.2	160.24088	22.05	2.097	209.1	153.6876994
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1.663	214.1	161.8681603	22.18	1.969	210.3	155.4675767
1.398	204.5	147.8077356	22.27	1.739	199.2	142.6604859
1.869	213.1	160.0645165	22.35	2.285	204.8	148.1486618
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1.784	209.3	153.9768314	22.5	2.18	204.3	147.5835656
1.573	217.4	168.49455	22.51	1.934	210.3	155.4675767
1.902	212.4	158.8542338	22.55	2.354	204.1	147.3618674
1.564	207.5	151.4788997	22.55	1.92	205.6	149.0856146
2.213	213.5	160.7752562	22.59	2.639	207	150.8255466
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1.527	215.1	163.7633675	22.61	1.986	209.2	153.8318952
1.877	205.6	149.0856146	22.71	2.187	200.7	143.9560723
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1.592	213.2	160.24088	22.89	1.809	207.5	151.4788997
1.517	213.4	160.5962459	22.97	1.771	209	153.5442409
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1.765	219.3	172.8296935	23.21	2.462	214.4	162.4269132
1.673	215.4	164.3504379	23.23	2.249	209.3	153.9768314
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2.201	210.3	155.4675767	23.38	2.526	203.1	146.2898835
1.514	212.2	158.5161218	23.38	2.109	205.4	148.8475437
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22.6	2.257	216.6	166.7876462	158.2383157	No
22.7	2.582	208.9	153.4015168	149.1140742	No
22.72	3.18	203.9	147.1426245	141.847604	No
22.75	2.35	214.2	162.0534901	149.3837578	No
22.83	2.091	233.2	178.5523232	186.7347238	Yes
22.89	2.236	214.6	162.8040494	156.5130326	No
22.97	2.085	219.6	173.55231	158.0275273	No
23.04	2.592	210.3	155.4675767	148.4454852	No
23.07	2.521	233.3	178.312062	185.4215797	Yes
23.09	1.961	213.9	161.5002424	155.1988391	No
23.16	2.293	212.6	159.1957351	152.5415187	No
23.22	2.569	218.4	170.7253164	157.5954217	No
23.16	2.731	220.3	175.2809825	166.8893838	No
23.18	2.484	217.1	167.8465446	164.028408	No
23.23	2.804	209.7	154.5640391	146.6590282	No
23.21	2.979	215.8	165.1468514	156.233223	No
23.24	2.679	212.4	158.8542338	154.43167	No
23.23	3.088	217.9	169.5961403	164.4574101	No
23.29	2.265	223.7	184.5985921	177.772797	Yes
23.32	3.156	214.1	161.8681603	150.0581406	No
23.32	2.296	214.8	163.184934	152.3698514	No
23.38	2.673	217.1	167.8465446	161.6063803	No
23.5	2.173	208.5	152.8379067	146.5330032	No
23.57	2.901	206	149.5695304	149.3427293	No
23.54	2.562	219.3	172.8296935	171.1569166	No
23.64	2.112	212.4	158.8542338	157.2880068	No
23.64	2.538	218.1	170.0444603	165.065824	No

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7/27/2019	9:18	24.78	0.875
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7/27/2019	9:21	24.91	0.919
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7/27/2019	9:23	24.95	0.838
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7/27/2019	9:26	25.15	0.682
7/27/2019	9:27	25.26	0.853
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7/27/2019	9:35	25.74	0.785
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2.014	205
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2.169	212.9	159.7144084	23.77	2.603	208.1	152.2858181
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1.575	224.2	186.1096044	23.77	1.957	217.3	168.2774801
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1.5	212.1	158.3483275	24.1	1.979	205.7	149.2056183
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2.053	206.4	150.0639356	24.29	2.593	202.5	145.6753339
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1.952	207.1	150.9548471	24.18	2.588	200.7	143.9560723
2.404	210.7	156.0853794	24.16	2.997	205.4	148.8475437
1.618	213.5	160.7752562	24.17	2.056	206.3	149.9393426
2.053	224.4	186.7249594	24.28	2.484	216	165.5509953
1.715	219.8	174.0400802	24.27	2.266	211.1	156.7157803
2.016	221.7	178.9252109	24.33	2.496	212	158.1813694
1.986	210.8	156.2417902	24.31	2.628	204.4	147.6953406
1.902	224.3	186.4164902	24.34	2.489	215.3	164.1537804
1.987	224.5	187.035022	24.35	2.278	217.1	167.8465446
1.707	221.5	178.3888034	24.38	2.103	214.2	162.0534901
1.628	211.8	157.8499471	24.53	1.822	202.1	145.2773166
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1.514	220.9	176.811543	24.62	1.895	212	158.1813694
1.917	213.6	160.955157	24.72	2.676	205.7	149.2056183
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1.601	236.1	172.0452245	25.14	1.911	229.3	188.9210494
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1.64	237.4	169.4174385	25.22	1.9	229.8	187.4756675
1.777	229.8	187.4756675	25.19	2.391	222.1	180.0143756
1.65	224.8	187.9748679	25.19	2.211	217.3	168.2774801
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1.964	237.4	169.4174385	25.24	2.317	229.2	189.2145397
1.542	228.4	191.6169031	25.23	2.065	220.8	176.5532489
1.811	234.9	174.6252563	25.26	2.058	229.2	189.2145397
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1.879	212	158.1813694	25.41	1.898	203.7	146.9258206
1.749	218.4	170.7253164	25.52	2.081	211	156.5569873
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23.69	2.051	204.1	147.3618674	144.6343963	No
23.84	2.724	203.3	146.4994658	142.5407913	No
23.8	3.148	204.4	147.6953406	148.0018681	No
23.71	3.169	216.6	166.7876462	158.5115671	No
23.68	2.689	222.7	181.6899539	176.4097419	Yes
23.69	2.311	223.3	183.4173207	175.4938346	Yes
23.83	1.877	223	182.5470487	171.7214804	No
23.96	2.23	212.8	159.540656	153.114228	No
24.01	2.799	214	161.6837458	153.9333298	No
24.04	2.263	214.5	162.6150149	154.922781	No
24.13	2.111	206.4	150.0639356	147.3928595	No
24.22	2.72	210.6	155.9297559	153.4448744	No
24.24	2.032	216.5	166.5789856	161.5161462	No
24.36	2.521	208.9	153.4015168	153.945114	No
24.25	2.934	222.4	180.8458047	168.9388473	No
24.23	3.005	209.1	153.6876994	150.3406508	No
24.19	3.709	207.9	152.0140384	149.2893343	No
24.14	3.102	210.3	155.4675767	150.1647029	No
24.13	3.467	213.7	161.1359522	153.1269358	No
24.17	2.35	213.2	160.24088	158.9064523	No
24.31	2.954	223.2	183.1257514	179.1435318	Yes
24.32	2.709	216.3	166.1647422	171.0282058	No
24.38	2.981	221.4	178.1226162	167.532807	No
24.36	2.984	212.6	159.1957351	155.9177402	No
24.39	2.725	221.3	177.8577632	175.1336394	Yes
24.4	2.795	225	188.6095808	172.8043137	No
24.45	2.541	221.5	178.3888034	170.2433231	No
24.61	2.427	212.7	159.3677662	151.2021471	No
24.66	2.764	222	179.7400211	171.2338437	No
24.71	2.15	219.2	172.5912057	165.8352203	No
24.78	2.975	212.7	159.3677662	159.6451397	No
24.72	3.392	212.8	159.540656	152.7434062	No
24.66	3.383	215.4	164.3504379	156.6350587	No
24.67	2.923	210.4	155.6208578	147.809188	No
24.78	2.029	213.4	160.5962459	161.2293392	No
25	1.905	212.7	159.3677662	158.5933943	No
25.15	1.583	220.4	175.5328989	164.1603468	No
25.21	2.071	225.8	191.2154206	177.4169404	Yes
25.2	2.255	234.4	175.7462142	181.0589119	Yes
25.16	1.902	217.3	168.2774801	162.172216	No
25.28	2.439	235.4	173.5316387	180.3900924	Yes
25.21	2.791	229.1	189.5095215	185.9349012	Yes
25.19	2.576	224.7	187.6599662	179.5746127	Yes
25.2	2.325	224.2	186.1096044	175.7839521	Yes
25.24	2.756	233.9	176.8952147	177.4004496	Yes
25.23	2.348	226.5	193.5866754	185.869568	Yes
25.26	2.439	236	172.2544374	181.1786021	Yes
25.31	2.185	240.8	163.294883	170.595131	No
25.39	2.614	212.3	158.684756	159.1888794	No
25.49	2.598	217.5	168.7126952	164.7139823	No
25.54	2.85	217.9	169.5961403	168.9940343	No

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7/27/2019	10:29	27.28	1.295
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7/27/2019	10:34	27.44	1.164
7/27/2019	10:35	27.46	1.218
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7/27/2019	10:37	27.54	0.842
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228.9	190.1039947	26.64
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233	179.0364331	26.51
223.4	183.7103804	26.63
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223.5	184.0049395	26.7
217.2	168.0614801	26.9
204.2	147.4724086	27.04
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218.4	170.7253164	26.69
217.9	169.5961403	26.62
229.9	187.1909456	26.59
242.9	160.0036074	26.41
234	176.6631365	26.42
232.8	179.5253688	26.38
225.9	191.5488631	26.4
229.3	188.9210494	26.47
238.6	167.137323	26.5
234.5	175.5198021	26.55
232.2	181.0216499	26.54
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224.5	187.035022	26.67
225.6	190.5537426	26.56
221.6	178.6563324	26.6
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237.5	169.2222095	27.14
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225.2	189.2509084	27.04
228.7	190.7045403	27.2
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205	148.379085	27.63
206.3	149.9393426	27.73
214	161.6837458	27.76
233.5	177.8350956	27.77
205.9	149.4475739	27.73
212.1	158.3483275	27.75
217.9	169.5961403	27.78
219.2	172.5912057	27.87
230.4	185.7886529	27.8

1.33	217.1
1.18	226.1
1.662	246
1.43	224.2
1.253	222.3
1.309	226.8
1.405	217.9
1.336	213.4
1.776	206.3
2.323	209.6
2.057	213.5
1.71	217.2
1.802	223.8
2.002	233.2
1.75	221.7
1.98	221.4
1.805	220.1
1.808	222.9
1.463	227.9
1.666	233.9
1.59	228.6
1.8	217.7
2.277	221.6
1.986	222.4
2.003	217.9
2.072	230.2
1.943	229.1
1.675	228.5
1.366	224.2
1.416	234.3
1.49	224.1
1.529	230.8
1.439	219.3
1.775	230.1
1.865	235.2
1.742	218.1
2.019	234.6
1.593	221.1
1.339	222.6
1.348	215.2
1.664	220.3
1.787	211.6
1.601	204.1
1.807	196.8
1.291	209
1.969	222
1.85	198.3
2.345	195.2
1.532	210.8
1.281	225.3
1.759	221.1

167.8465446	25.95
192.2210107	26.14
155.7529709	26.18
186.1096044	26.07
180.5672593	26.15
194.6299891	26.2
169.5961403	26.22
160.5962459	26.39
149.9393426	26.46
154.4161117	26.28
160.7752562	26.09
168.0614801	26.06
184.8977039	26.09
178.5523232	26
178.9252109	26.02
178.1226162	25.98
174.7809062	26
182.2598979	26.07
193.1689136	26.12
176.8952147	26.18
191.0071128	26.17
169.1522337	26.23
178.6563324	26.27
180.8458047	26.2
169.5961403	26.23
186.3453391	26.23
189.5095215	26.25
191.3112307	26.28
186.1096044	26.44
175.9737479	26.58
185.8042924	26.7
184.6919171	26.73
172.8296935	26.74
186.6257896	26.82
173.9658487	26.76
170.0444603	26.75
175.2945059	26.73
177.3320297	26.7
181.4071437	26.81
163.9580918	27.03
175.2809825	27.04
157.5218261	27.06
147.3618674	27.13
140.8336095	27.18
153.5442409	27.19
179.7400211	27.21
141.9406579	27.2
139.7763685	27.16
156.2417902	27.21
189.5740787	27.35
177.3320297	27.29

1.359	221	177.0711342	25.63	1.769	212.3	158.684756
1.376	226.9	194.9814553	25.82	1.607	219.8	174.0400802
1.951	250.3	150.9250156	25.87	2.601	244.9	157.1826166
1.618	230.9	184.4211537	25.79	1.985	221.3	177.8577632
1.462	226.7	194.2803784	25.85	1.791	220	174.5327325
1.795	230.2	186.3453391	25.9	2	222.7	181.6899539
1.603	223.9	185.1983516	25.92	1.871	216.1	165.7545685
1.583	218	169.8197457	26.06	1.932	211.4	157.1969778
2.293	209.6	154.4161117	26.11	2.606	206.3	149.9393426
2.641	216.2	165.9591491	25.92	3.491	208.7	153.1182603
2.526	217.5	168.7126952	25.75	3.168	210.7	156.0853794
1.97	223.8	184.8977039	25.73	2.517	217.5	168.7126952
2.014	230.1	186.6257896	25.77	2.593	224.4	186.7249594
2.26	239.3	165.8686538	25.73	2.87	233.2	178.5523232
2.048	226.8	194.6299891	25.74	2.618	221.6	178.6563324
2.338	228.2	192.2329492	25.71	2.947	222.4	180.8458047
2.369	224	185.5005447	25.73	2.761	217.3	168.2774801
2.15	228	192.8553266	25.8	2.742	223.6	184.3010071
1.752	233.5	177.8350956	25.85	2.13	228.7	190.7045403
2.118	236.1	172.0452245	25.91	2.414	231.7	182.3031224
2.044	234	176.6631365	25.92	2.513	228.7	190.7045403
1.942	222.1	180.0143756	25.95	2.515	217.3	168.2774801
2.388	226.5	193.5866754	25.97	3.291	220	174.5327325
2.558	226.2	192.5597384	25.94	2.987	219.9	174.2857928
2.546	225.5	190.2254851	25.97	2.97	220.8	176.5532489
2.429	234.6	175.2945059	26	2.96	231.2	183.6169505
2.168	234.6	175.2945059	26.03	2.843	227.1	195.6900033
2.061	231.9	181.7867003	26.06	2.499	227.9	193.1689136
1.868	228.1	192.5433417	26.2	1.95	225	188.6095808
1.684	237.7	168.8346381	26.33	2.145	232	181.5304128
1.778	227.9	193.1689136	26.43	2.114	223.9	185.1983516
2.039	237.1	170.0089535	26.44	2.454	230.7	184.9640411
1.859	226.8	194.6299891	26.45	2.176	221.4	178.1226162
2.075	233.6	177.5983781	26.53	2.616	228	192.8553266
2.114	241.1	162.802978	26.49	2.704	237.5	169.2222095
2.058	224.5	187.035022	26.5	2.486	218.9	171.8828066
2.474	238.6	167.137323	26.48	2.981	234	176.6631365
1.907	227.6	194.1193848	26.45	2.267	222.5	181.1257634
1.713	226.7	194.2803784	26.54	1.952	223.4	183.7103804
1.805	219	172.1177686	26.75	2.021	213.4	160.5962459
1.96	224	185.5005447	26.73	2.448	220.1	174.7809062
2.268	216.5	166.5789856	26.74	2.613	215.4	164.3504379
1.878	207.7	151.7450728	26.77	2.292	202.3	145.4751667
2.062	201.7	144.8885107	26.81	2.57	197.7	141.484113
1.633	215.8	165.1468514	26.83	1.897	212.7	159.3677662
2.145	226.7	194.2803784	26.87	2.823	220	174.5327325
2.44	204.2	147.4724086	26.84	2.743	198.1	141.786421
2.548	203.1	146.2898835	26.79	3.389	193.4	138.734051
1.753	213.9	161.5002424	26.84	2.306	207.9	152.0140384
1.615	227.7	193.8009328	27.01	1.944	223.8	184.8977039
2.322	226.2	192.5597384	26.97	2.696	222.4	180.8458047

25.61	1.972	217.1	167.8465446	172.5818485	No
25.82	1.907	225.7	190.8837175	187.8366352	Yes
25.83	2.879	248.7	152.5859038	153.5505263	No
25.75	2.359	229.7	187.7618297	181.8562386	Yes
25.83	2.003	222.8	181.9742025	183.2726877	Yes
25.85	2.479	228.4	191.6169031	187.5352374	Yes
25.9	2.091	222	179.7400211	176.1385	Yes
26.03	2.254	219.5	173.3102392	163.9186124	No
26.07	3.175	213.5	160.7752562	150.4418014	No
25.87	4.107	216	165.5509953	160.2283416	No
25.69	3.709	218.2	170.2702897	164.0746618	No
25.69	2.942	223.5	184.0049395	172.8170049	No
25.74	2.821	230.3	186.0662962	186.3598496	Yes
25.7	3.222	239.9	164.8158999	170.7442269	No
25.72	3.122	226.6	193.9326112	182.2186672	Yes
25.67	3.428	227.3	195.0846305	182.6816847	Yes
25.7	3.348	224.3	186.4164902	180.0269485	Yes
25.76	3.205	228	192.8553266	187.0843202	Yes
25.81	2.492	233.4	178.0729882	182.2114681	Yes
25.88	2.919	233	179.0364331	176.6908409	Yes
25.88	2.993	231.8	182.0442679	184.8491099	Yes
25.91	2.953	225.8	191.2154206	175.7361585	Yes
25.91	3.542	225.7	190.8837175	183.4526906	Yes
25.88	3.854	227.1	195.6900033	184.5612696	Yes
25.91	3.561	226.4	193.2425592	178.7578017	Yes
25.93	3.401	234.1	176.4322033	181.6330484	Yes
25.98	3.145	232.7	179.7716623	183.187117	Yes
25.99	2.903	233.9	176.8952147	187.9448114	Yes
26.13	2.515	228.5	191.3112307	189.4165077	Yes
26.26	2.349	232.2	181.0216499	171.6978268	No
26.35	2.501	227.7	193.8009328	187.2838997	Yes
26.33	3.071	234.2	176.202409	177.2217803	Yes
26.35	2.68	226.2	192.5597384	183.3892917	Yes
26.42	2.93	229.2	189.2145397	187.7997198	Yes
26.39	2.945	240	164.6434892	165.4360018	No
26.42	2.889	224.3	186.4164902	179.5532993	Yes
26.38	3.593	237.3	169.6136358	168.7119841	No
26.35	2.821	226.8	194.6299891	185.4570216	Yes
26.46	2.368	227.5	194.4394783	187.5256107	Yes
26.66	2.39	220.7	176.2962446	165.3546962	No
26.62	2.874	224.8	187.9748679	178.2902029	Yes
26.62	3.241	220.4	175.5328989	162.2618739	No
26.66	2.867	206.8	150.5689831	148.240298	No
26.68	3.127	201.8	144.9848547	144.286394	No
26.72	2.261	215.4	164.3504379	159.9356511	No
26.74	3.213	222.8	181.9742025	181.5970569	Yes
26.72	3.454	205.2	148.6120398	145.1617653	No
26.67	3.766	200.6	143.8658923	145.7871576	No
26.74	2.575	210.9	156.3989918	159.8380528	No
26.92	2.304	225.9	191.5488631	185.2159803	Yes
26.84	3.296	225.6	190.5537426	184.1315564	Yes

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7/27/2019	10:40	27.28	1.318
7/27/2019	10:41	27.34	1.226
7/27/2019	10:42	27.41	1.431
7/27/2019	10:43	27.48	1.186
7/27/2019	10:44	27.58	0.911
7/27/2019	10:45	27.75	1.118
7/27/2019	10:46	27.77	0.916
7/27/2019	10:47	27.8	0.715
7/27/2019	10:48	27.87	1.218
7/27/2019	10:49	27.72	1.593
7/27/2019	10:50	27.6	1.036
7/27/2019	10:51	27.55	1.062
7/27/2019	10:52	27.52	0.773
7/27/2019	10:53	27.47	1.163
7/27/2019	10:54	27.52	1.068
7/27/2019	10:55	27.68	1.177
7/27/2019	10:56	27.78	0.811
7/27/2019	10:57	27.84	1.076
7/27/2019	10:58	27.95	1.301
7/27/2019	10:59	28	1.327
7/27/2019	11:00	27.89	1.206
7/27/2019	11:01	27.85	1.174
7/27/2019	11:02	27.9	1.193
7/27/2019	11:03	27.99	1.27
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7/27/2019	11:05	27.76	1.74
7/27/2019	11:06	27.63	1.358
7/27/2019	11:07	27.72	1.109
7/27/2019	11:08	27.72	1.109
7/27/2019	11:09	27.74	1.139
7/27/2019	11:10	27.79	0.893
7/27/2019	11:11	27.99	0.604
7/27/2019	11:12	28.22	0.812
7/27/2019	11:13	28.36	0.79
7/27/2019	11:14	28.46	0.552
7/27/2019	11:15	28.62	0.764
7/27/2019	11:16	28.69	0.958
7/27/2019	11:17	28.65	0.899
7/27/2019	11:18	28.63	0.941
7/27/2019	11:19	28.61	1.021
7/27/2019	11:20	28.49	1.044
7/27/2019	11:21	28.34	1.188
7/27/2019	11:22	28.24	1.466
7/27/2019	11:23	28.06	1.114
7/27/2019	11:24	27.96	1.446
7/27/2019	11:25	27.86	1.231
7/27/2019	11:26	27.8	1.223
7/27/2019	11:27	27.88	1.062
7/27/2019	11:28	27.96	1.173
7/27/2019	11:29	28.03	1.032

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225.3	189.5740787	27.51
217	167.6326681	27.59
204.5	147.8077356	27.69
209.6	154.4161117	27.77
211.2	156.8753741	27.92
212.5	159.0245589	28.16
209.6	154.4161117	28.13
223.9	185.1983516	28.14
217.7	169.1522337	28.21
224.8	187.9748679	27.99
218.1	170.0444603	27.82
221.9	179.4670474	27.74
230	186.9076557	27.7
242.4	160.7556316	27.63
226.8	194.6299891	27.68
210.4	155.6208578	27.88
224.1	185.8042924	28.02
216.9	167.4198452	28.1
215.5	164.548069	28.23
201.9	145.0817692	28.26
224.4	186.7249594	28.12
222.2	180.290119	28.05
222.6	181.4071437	28.11
215.2	163.9580918	28.2
228.9	190.1039947	28.11
234.6	175.2945059	27.86
221.5	178.3888034	27.69
226.5	193.5866754	27.81
226.9	194.9814553	27.82
237.6	169.0279442	27.85
243.6	158.9827372	27.92
226.2	192.5597384	28.16
217.8	169.3736382	28.46
210.4	155.6208578	28.63
223.8	184.8977039	28.74
227.8	193.4841124	28.91
241.8	161.6837847	28.97
226.1	192.2210107	28.86
218.2	170.2702897	28.8
227.3	195.0846305	28.76
231.3	183.3515534	28.61
234.2	176.202409	28.43
232.4	180.5179243	28.31
245.3	156.6530324	28.09
238.7	166.9533691	27.99
236.2	171.8370419	27.86
230.1	186.6257896	27.79
230.2	186.3453391	27.9
245.6	156.2631643	28
248.4	152.9147416	28.08

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2.17	194.6
1.76	202.2
1.111	206.4
1.851	207.3
1.707	200.8
1.404	213.9
1.88	211.2
2.303	216
1.652	218.8
2.035	220.1
1.623	225.9
1.677	234.4
1.54	218.9
1.548	198.6
1.308	222.6
1.745	207.7
1.789	196.8
2.372	196.7
1.713	214.9
1.765	219.9
1.683	212.7
1.872	210.2
2.068	227.4
2.366	226.7
1.962	215.4
1.72	222.1
1.655	220.5
1.455	233.2
1.424	233.4
1.025	214.7
1.305	209.1
1.368	211.6
0.902	225.9
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1.325	229.9
1.529	224.7
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1.704	224.5
1.739	228.7
2.052	228.6
2.083	226.8
2.021	236.8
2.487	235.6
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1.833	221.1
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1.705	239.2
1.802	230.2

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145.3759529	27.27
150.0639356	27.45
151.2154981	27.65
144.0468045	27.59
161.5002424	27.62
156.8753741	27.68
165.5509953	27.52
171.6490075	27.4
174.7809062	27.31
191.5488631	27.31
175.7462142	27.28
171.8828066	27.34
142.1758963	27.48
181.4071437	27.58
151.7450728	27.68
140.8336095	27.79
140.7638403	27.75
163.3767931	27.59
174.2857928	27.59
159.3677662	27.68
155.3150699	27.76
194.7612235	27.69
194.2803784	27.53
164.3504379	27.39
180.0143756	27.51
175.7860767	27.53
178.5523232	27.56
178.0729882	27.64
162.994021	27.89
153.6876994	28.13
157.5218261	28.23
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163.184934	28.5
187.1909456	28.55
187.6599662	28.45
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187.035022	28.3
190.7045403	28.2
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194.6299891	27.96
170.6093072	27.81
173.1016948	27.76
176.8952147	27.65
177.3320297	27.59
175.5328989	27.69
166.0471971	27.78
186.3453391	27.88

2.169	222.2	180.290119	26.82	2.579	218.7	171.416365
2.147	221.1	177.3320297	26.78	2.706	213.5	160.7752562
2.182	213.1	160.0645165	26.84	2.731	203.2	146.3943767
2.762	200	143.3363204	26.9	3.28	194.1	139.1212357
2.194	205.7	149.2056183	26.96	2.632	201.5	144.6975271
1.596	213.6	160.955157	27.15	1.639	209.5	154.2689366
1.961	214.5	162.6150149	27.33	2.54	206.5	150.1891937
1.897	207.8	151.8792052	27.24	2.344	202.2	145.3759529
1.572	216.4	166.3713526	27.27	2.051	210.5	155.7749165
2.038	217.5	168.7126952	27.35	2.541	210	155.0123664
2.484	224.3	186.4164902	27.23	3.286	218.2	170.2702897
1.868	220	174.5327325	27.11	2.489	214.1	161.8681603
2.402	226.1	192.2210107	27.04	2.963	220.4	175.5328989
1.82	229.1	189.5095215	27.04	2.447	225.1	188.9294126
1.971	238.4	167.507983	27.04	2.497	234.2	176.202409
1.898	224.5	187.035022	27.11	2.366	217.8	169.3736382
1.849	207.4	151.3468538	27.22	2.19	200.6	143.8658923
1.446	226.7	194.2803784	27.31	1.897	222.5	181.1257634
1.865	210.1	155.1633342	27.39	2.524	207.5	151.4788997
2.243	205.4	148.8475437	27.5	2.604	198	141.7100752
2.664	203.8	147.0339187	27.42	3.333	197.6	141.4098131
2.238	221.7	178.9252109	27.25	2.445	216	165.5509953
1.959	223.3	183.4173207	27.28	2.596	220.1	174.7809062
1.983	216.2	165.9591491	27.41	2.386	212.6	159.1957351
2.237	216.4	166.3713526	27.49	2.768	212.9	159.7144084
2.432	232.7	179.7716623	27.44	3.127	228.8	190.403504
2.926	234.8	174.8472386	27.31	3.505	227.5	194.4394783
2.31	222.9	182.2598979	27.19	2.793	216.3	166.1647422
1.985	229.7	187.7618297	27.32	2.606	222.3	180.5672593
2.057	225.4	189.898934	27.32	2.528	221.7	178.9252109
1.925	237.3	169.6136358	27.34	2.294	232.7	179.7716623
1.651	235.8	172.6759748	27.42	2.157	233	179.0364331
1.009	218.2	170.2702897	27.68	1.613	219.7	173.7955882
1.512	215	163.5696028	27.9	2.022	211.6	157.5218261
1.56	215.9	165.3484246	27.96	1.982	215.6	164.7466785
1.096	226.8	194.6299891	28.04	1.464	225.5	190.2254851
1.348	219.7	173.7955882	28.19	1.639	215.4	164.3504379
1.671	234.8	174.8472386	28.23	1.96	231.7	182.3031224
1.882	230.8	184.6919171	28.14	2.272	224.7	187.6599662
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2.238	231.3	183.3515534	27.78	3.03	227.6	194.1193848
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2.36	227.2	195.4097096	27.45	2.721	222.1	180.0143756
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2.154	244.1	158.2758734	27.61	2.598	241.3	162.4791534
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26.72	2.992	209	153.5442409	155.9459259	No
26.79	3.884	200	143.3363204	142.4192956	No
26.86	3.202	206.8	150.5689831	148.4238025	No
27.06	2.267	212.5	159.0245589	155.5408508	No
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27.07	2.857	209.1	153.6876994	148.9295186	No
27.13	2.251	212.8	159.540656	167.2112158	No
27.19	2.85	215.3	164.1537804	162.4381674	No
27.08	3.665	222.8	181.9742025	177.5531607	Yes
26.96	2.794	218.2	170.2702897	169.5235901	No
26.87	3.537	225.6	190.5537426	180.5004658	Yes
26.88	2.738	228.5	191.3112307	189.2238632	Yes
26.87	2.727	236.1	172.0452245	170.0530595	No
26.96	2.666	220.7	176.2962446	180.730364	Yes
27.05	2.693	209.4	154.1225109	148.2523751	No
27.16	1.988	222.5	181.1257634	185.6543945	Yes
27.24	2.751	210.7	156.0853794	156.451788	No
27.35	3.433	204.1	147.3618674	148.9848243	No
27.26	3.819	205	148.379085	143.5723353	No
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27.13	2.77	223.7	184.5985921	178.1935347	Yes
27.27	2.772	216.4	166.3713526	166.4824485	No
27.34	3.371	218.7	171.416365	161.3397307	No
27.27	3.514	231.1	183.8836779	188.7600961	Yes
27.16	4.193	232.1	181.2753983	184.7154003	Yes
27.06	3.228	221.7	178.9252109	172.7909703	No
27.17	2.918	226.8	194.6299891	185.482535	Yes
27.15	2.878	225.6	190.5537426	184.8979192	Yes
27.17	2.873	236.2	171.8370419	174.2413914	No
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27.84	1.56	226	191.884056	190.3255103	Yes
27.99	1.99	215.7	164.946271	173.7037681	No
28.04	2.183	235.4	173.5316387	176.5062728	Yes
27.95	2.557	227.4	194.7612235	188.058215	Yes
27.86	2.458	218.3	170.4972397	165.3118238	No
27.79	2.991	226.3	192.9002508	188.6527628	Yes
27.71	2.987	230.9	184.4211537	187.3468598	Yes
27.59	3.298	231	184.1517432	186.170115	Yes
27.56	3.548	232	181.5304128	186.9466166	Yes
27.45	3.616	242.9	160.0036074	164.9667609	No
27.43	4.383	238.7	166.9533691	168.7623758	No
27.38	3.954	239.9	164.8158999	172.7450329	No
27.32	3.199	225.7	190.8837175	184.8454761	Yes
27.4	2.703	227	195.3347893	183.7837932	Yes
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27.56	3.057	235.6	173.1016948	174.1149737	No

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2.484	235.1	174.1845669	27.99	3.105	230.9	184.4211537
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1.861	219.7	173.7955882	28.28	2.274	215.7	164.946271
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27.59	3.688	240.3	164.1314071	164.2684043	No
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27.75	2.857	229.8	187.4756675	185.8429246	Yes
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27.85	3.178	232.6	180.0191816	187.5011338	Yes
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27.79	3.766	227.7	193.8009328	184.6090296	Yes
27.81	2.944	226.6	193.9326112	186.500636	Yes
27.84	3.445	232.9	179.2802945	183.9975839	Yes
27.81	3.026	232.1	181.2753983	184.958761	Yes
27.86	3.595	236.3	171.6298847	180.1366893	Yes
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27.95	3.268	222.7	181.6899539	176.68564	Yes
28.02	3.557	226.5	193.5866754	186.3895681	Yes
27.92	3.533	229.9	187.1909456	184.5598646	Yes
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28.46	3.093	209.8	154.712722	149.9209735	No
28.53	3.272	208.8	153.2595242	155.2152446	No
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7/27/2019	12:46	29.83	0.638
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7/27/2019	12:48	29.44	1.122
7/27/2019	12:49	29.37	1.233
7/27/2019	12:50	29.28	0.852
7/27/2019	12:51	29.24	0.754
7/27/2019	12:52	29.25	0.552
7/27/2019	12:53	29.35	0.432
7/27/2019	12:54	29.44	0.756
7/27/2019	12:55	29.49	0.797
7/27/2019	12:56	29.53	0.948
7/27/2019	12:57	29.54	1.218
7/27/2019	12:58	29.52	1.213
7/27/2019	12:59	29.46	0.756
7/27/2019	13:00	29.42	0.865
7/27/2019	13:01	29.4	0.696
7/27/2019	13:02	29.56	0.773
7/27/2019	13:03	29.71	0.616
7/27/2019	13:04	29.83	0.597
7/27/2019	13:05	29.84	0.927
7/27/2019	13:06	29.75	0.989
7/27/2019	13:07	29.68	0.818
7/27/2019	13:08	29.64	0.977
7/27/2019	13:09	29.52	0.958
7/27/2019	13:10	29.54	0.583
7/27/2019	13:11	29.58	0.909

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235.3	173.7482078	29.11
234.8	174.8472386	29.26
244.4	157.8605159	29.41
241.7	161.8412498	29.4
231.5	182.824721	29.42
219.9	174.2857928	29.45
217.6	168.9319213	29.47
223.2	183.1257514	29.5
231	184.1517432	29.43
232.4	180.5179243	29.22
238.5	167.3221929	29.11
251	150.2462872	29.1
242.3	160.9083592	29.07
216.6	166.7876462	29.11
229.1	189.5095215	29.3
215.9	165.3484246	29.45
223.2	183.1257514	29.44
223	182.5470487	29.56
231.5	182.824721	29.65
240.3	164.1314071	29.74
244.9	157.1826166	29.8
210.8	156.2417902	29.81
203.1	146.2898835	29.87
224.4	186.7249594	29.78
237.5	169.2222095	29.82
224.9	188.2914027	29.6
209.6	154.4161117	29.39
236.1	172.0452245	29.32
243.9	158.5564148	29.21
238.6	167.137323	29.16
234.9	174.6252563	29.17
226.4	193.2425592	29.28
261.6	143.1564895	29.39
251.9	149.4151502	29.43
255.7	146.3962542	29.45
234.1	176.4322033	29.45
232.6	180.0191816	29.42
256.5	145.8571712	29.37
241.2	162.6406568	29.32
237.4	169.4174385	29.3
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250.2	151.0243214	29.67
256.1	146.1226545	29.77
235.7	172.8883094	29.76
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247.8	153.5893653	29.4
239.4	165.6909983	29.41
254.9	146.9680947	29.47

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1.376	212.7
2.217	204.8
1.791	220.2
2.365	223.7
1.448	229.5
1.362	243.9
1.835	233.9
1.763	209.2
1.421	211
2.025	205.9
1.371	210.4
1.218	209.2
1.183	215.4
1.286	220.4
1.425	229.9
1.351	207.3
1.702	197.3
1.605	213.8
1.326	220
2.265	211.5
1.952	203
2.041	221
1.627	227.2
1.48	230.5
1.366	217.9
1.265	219.3
1.462	250.3
1.361	234.8
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1.483	242.1
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1.202	238.5
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1.783	219.2
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1.945	215.8
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1.473	235.9

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141.1899582	29.49
161.3176459	29.41
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146.1859844	29.03
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185.5124012	28.88
169.5961403	28.93
172.8296935	29.04
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174.8472386	29.22
153.0256028	29.24
181.1257634	29.23
179.1954466	29.18
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183.6169505	29.12
180.0143756	29.11
160.4181218	29.29
183.6169505	29.43
167.3221929	29.54
180.0143756	29.5
172.5912057	29.35
182.5470487	29.32
165.1468514	29.25
169.810806	29.16
191.9241395	29.21
172.4646859	29.26

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1.747	237.4	169.4174385	28.66	2.054	233.3	178.312062
1.153	233.9	176.8952147	28.86	1.578	231.4	183.0874794
1.618	233.9	176.8952147	29.03	2.188	228.6	191.0071128
1.598	237.6	169.0279442	28.96	2.042	233.1	178.7937782
1.387	221.7	178.9252109	28.97	1.692	218.7	171.416365
1.993	222	179.7400211	28.96	2.484	215.5	164.548069
1.711	217.9	169.5961403	28.95	2.268	216.9	167.4198452
2.453	211.2	156.8753741	28.92	3.386	203.4	146.6051528
2.071	223.6	184.3010071	28.86	2.764	218.3	170.4972397
2.759	230.1	186.6257896	28.71	3.353	224.1	185.8042924
1.738	236.4	171.4237479	28.65	2.179	232.5	180.2679334
1.608	249.3	151.9449052	28.7	1.977	246.6	155.008001
2.404	238.8	166.7703272	28.69	2.898	231.8	182.0442679
1.922	217	167.6326681	28.74	2.618	209.8	154.712722
1.653	217.3	168.2774801	28.93	2.177	212.1	158.3483275
2.492	215.1	163.7633675	28.97	3.053	207.7	151.7450728
1.843	216.1	165.7545685	28.88	2.127	213.1	160.0645165
1.36	216.7	166.9973396	29.02	1.889	209.3	153.9768314
1.307	225	188.6095808	29.13	1.781	220.9	176.811543
1.44	229.9	187.1909456	29.25	1.812	221.4	178.1226162
1.636	239.6	165.3383346	29.36	2.159	235.2	173.9658487
1.504	209.1	153.6876994	29.34	1.99	210.5	155.7749165
1.942	204.3	147.5835656	29.23	2.617	196.8	140.8336095
1.894	222.7	181.6899539	29.17	2.403	217.9	169.5961403
1.626	227	195.3347893	29.23	2.108	224	185.5005447
2.702	219.7	173.7955882	28.98	3.274	211.7	157.6854758
2.219	207.6	151.6116385	28.79	2.976	202.9	146.0826775
2.445	227.7	193.8009328	28.72	3.171	221	177.0711342
1.952	234.3	175.9737479	28.73	2.531	229.3	188.9210494
1.739	234.5	175.5198021	28.68	2.226	226.8	194.6299891
1.521	228.9	190.1039947	28.75	2.005	221.3	177.8577632
1.573	225.8	191.2154206	28.83	2.041	220.6	176.0405229
1.683	255.8	146.3270894	28.98	2.301	251.3	149.9641021
1.729	240.8	163.294883	29.06	2.133	237	170.2080831
1.782	253.5	148.0494963	29.07	2.415	249.8	151.4274771
2.291	231	184.1517432	29.07	2.69	223.8	184.8977039
2.373	228.1	192.5433417	29	2.914	222.1	180.0143756
1.749	246.1	155.627126	29.03	2.254	242.9	160.0036074
2.065	238.2	167.8823409	29	2.775	232.6	180.0191816
1.605	231.8	182.0442679	28.99	1.878	228	192.8553266
1.571	219.4	173.0693692	29.16	2.049	212.4	158.8542338
1.319	242.1	161.2161624	29.27	1.757	238	168.2604307
1.51	244	158.4157786	29.39	1.851	240.6	163.6269725
1.856	228.3	191.9241395	29.32	2.408	222.9	182.2598979
2.041	227.2	195.4097096	29.16	2.621	224.2	186.1096044
1.743	231	184.1517432	29.15	2.097	227.5	194.4394783
2.054	224.3	186.4164902	29.07	2.868	219.5	173.3102392
2.033	240.9	163.1300876	28.99	2.705	235.8	172.6759748
1.612	235.3	173.7482078	29.07	2.204	230.5	185.5124012
1.742	242.6	160.4525084	29.13	2.308	238.4	167.507983

28.49	2.639	235	174.4043676	170.4095009	No
28.52	2.417	237.4	169.4174385	176.1412969	Yes
28.71	1.893	231	184.1517432	181.688518	Yes
28.87	2.196	230.1	186.6257896	179.9238636	Yes
28.83	2.257	234.6	175.2945059	172.7345926	No
28.81	2.047	220.9	176.811543	176.2622759	Yes
28.78	2.8	217.5	168.7126952	170.1105108	No
28.78	2.562	220.8	176.5532489	166.3289183	No
28.75	3.535	208.9	153.4015168	158.688735	No
28.7	3.072	222.3	180.5672593	178.4950776	Yes
28.54	3.946	228.7	190.7045403	184.3866496	Yes
28.5	2.438	235.4	173.5316387	176.8380957	Yes
28.55	2.16	247.6	153.8193224	153.938902	No
28.53	3.496	236.1	172.0452245	171.6545422	No
28.6	2.864	215.4	164.3504379	160.7412329	No
28.81	2.53	215.3	164.1537804	168.1730791	No
28.83	3.565	216.1	165.7545685	157.5761097	No
28.75	2.719	218.3	170.4972397	166.1414235	No
28.88	2.154	213.1	160.0645165	164.3382787	No
29.01	1.994	223.9	185.1983516	178.1490707	Yes
29.13	2.032	222.9	182.2598979	176.244467	Yes
29.23	2.242	237.6	169.0279442	170.9194364	No
29.21	2.2	211.5	157.3589946	154.229976	No
29.08	2.883	204.3	147.5835656	143.9742542	No
29.04	2.664	222.5	181.1257634	174.8321749	No
29.1	2.296	226.6	193.9326112	181.147569	Yes
28.81	3.7	217.7	169.1522337	169.2828653	No
28.65	3.523	209.1	153.6876994	149.574103	No
28.57	3.627	226.8	194.6299891	179.9971064	Yes
28.58	2.972	232.5	180.2679334	179.7152304	Yes
28.52	2.513	232	181.5304128	180.6998788	Yes
28.63	2.211	225.3	189.5740787	178.0457886	Yes
28.69	2.314	225.1	188.9294126	183.332049	Yes
28.82	2.484	252.9	148.5451154	147.5931741	No
28.9	2.483	240	164.6434892	164.4413387	No
28.92	2.684	251.7	149.595865	149.7247076	No
28.91	3.11	226.7	194.2803784	181.6518534	Yes
28.84	3.253	224	185.5005447	182.9430864	Yes
28.9	2.521	243.2	159.5615734	155.6760167	No
28.88	2.83	234.6	175.2945059	173.5397825	No
28.87	2.207	230.5	185.5124012	181.0828521	Yes
29.04	2.437	218.6	171.184873	168.5321063	No
29.14	1.94	239.1	166.2266321	166.0294662	No
29.26	2.109	243	159.8555038	158.8718996	No
29.18	2.702	225.4	189.898934	181.7716806	Yes
29.04	2.929	228.6	191.0071128	186.3554376	Yes
29.01	2.41	232	181.5304128	180.4734755	Yes
28.92	3.084	225.2	189.2509084	172.7301945	No
28.87	2.976	239.3	165.8686538	164.8015584	No
28.94	2.575	233.7	177.3628294	179.2189367	Yes
29	2.56	241.4	162.3184643	161.848318	No

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7/27/2019	13:13	29.59	0.66
7/27/2019	13:14	29.68	0.643
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7/27/2019	13:16	29.76	0.709
7/27/2019	13:17	29.79	0.827
7/27/2019	13:18	29.75	1.014
7/27/2019	13:19	29.63	0.858
7/27/2019	13:20	29.61	0.843
7/27/2019	13:21	29.64	0.83
7/27/2019	13:22	29.72	0.542
7/27/2019	13:23	29.83	0.949
7/27/2019	13:24	29.75	0.719
7/27/2019	13:25	29.72	0.837
7/27/2019	13:26	29.73	1.115
7/27/2019	13:27	29.72	0.883
7/27/2019	13:28	29.79	0.521
7/27/2019	13:29	29.99	0.563
7/27/2019	13:30	30.19	0.781
7/27/2019	13:31	30.22	0.866
7/27/2019	13:32	30.12	0.54
7/27/2019	13:33	30.17	0.583
7/27/2019	13:34	30.29	0.683
7/27/2019	13:35	30.31	0.71
7/27/2019	13:36	30.32	0.58
7/27/2019	13:37	30.32	0.837
7/27/2019	13:38	30.19	0.799
7/27/2019	13:39	30.12	0.537
7/27/2019	13:40	30.12	0.755
7/27/2019	13:41	30.07	0.856
7/27/2019	13:42	30.04	1.049
7/27/2019	13:43	30.01	0.836
7/27/2019	13:44	29.96	0.852
7/27/2019	13:45	30.05	0.789
7/27/2019	13:46	30.14	1.02
7/27/2019	13:47	30.19	1.273
7/27/2019	13:48	30.19	1.26
7/27/2019	13:49	30.16	0.977
7/27/2019	13:50	30.07	0.685
7/27/2019	13:51	30.1	0.567
7/27/2019	13:52	30.11	0.617
7/27/2019	13:53	30.17	0.65
7/27/2019	13:54	30.16	1.087
7/27/2019	13:55	30.09	0.967
7/27/2019	13:56	30.08	0.857
7/27/2019	13:57	30.06	0.816
7/27/2019	13:58	30.17	0.793
7/27/2019	13:59	30.26	0.998
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7/27/2019	14:01	30.24	0.785
7/27/2019	14:02	30.26	1.085

266.5	141.6924026	29.48
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221.4	178.1226162	29.72
243	159.8555038	29.68
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246.8	154.7650203	29.51
239.8	164.9891752	29.55
238.7	166.9533691	29.64
227	195.3347893	29.76
237.1	170.0089535	29.68
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250.4	150.8262993	29.63
244.4	157.8605159	29.6
227.9	193.1689136	29.66
210.1	155.1633342	29.92
221.4	178.1226162	30.19
244.2	158.1366964	30.22
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228.4	191.6169031	30.07
216.3	166.1647422	30.24
224.8	187.9748679	30.28
252.3	149.0604651	30.25
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252.6	148.8003043	30.1
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246	155.7529709	29.99
240.5	163.7942737	29.93
240.9	163.1300876	29.89
258.6	144.5938692	29.89
248.2	153.1370917	29.83
215.8	165.1468514	29.96
201.2	144.4152874	30.11
186.8	136.1668004	30.19
192.7	138.3696112	30.23
206.8	150.5689831	30.24
248.8	152.4775331	30.13
267	141.6027124	30.12
266.2	141.7514553	30.11
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230.7	184.9640411	30.12
223.5	184.0049395	30.03
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217.4	168.49455	30.25
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230.3	186.0662962	30.26
212.4	158.8542338	30.27

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1.617	207.3
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1.676	226.1
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1.237	217.6
1.68	217
1.506	226.1
1.265	233.7
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1.657	235.7
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1.54	228.7
1.059	238.1
0.931	213
1.598	201.9
1.317	217
1.069	233.5
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1.29	238.9
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1.257	228.7
1.473	224.4
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1.952	186.8
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1.754	199.2
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1.271	251
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1.834	214.4
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1.51	220.8
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1.679	207.2
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1.847	210.8

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158.1366964	29.29
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157.8499471	29.42
192.2210107	29.37
190.403504	29.27
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167.6326681	29.5
192.2210107	29.39
177.3628294	29.38
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159.8890273	29.74
145.0817692	29.84
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177.8350956	29.81
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182.5632711	29.68
190.7045403	29.62
186.7249594	29.59
158.2758734	29.62
175.2945059	29.61
148.034394	29.69
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136.1668004	29.75
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162.1585863	29.72
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1.926	252	149.3256382	29.17	2.491	246.5	155.1304872
1.718	222.8	181.9742025	29.23	2.015	220.6	176.0405229
2.252	217.3	168.2774801	29.19	2.453	215.1	163.7633675
1.889	212.7	159.3677662	29.21	2.569	209.5	154.2689366
1.97	219.1	172.3538995	29.24	2.356	213	159.8890273
2.122	233	179.0364331	29.18	2.605	227.3	195.0846305
1.924	236.7	170.8114111	29.1	2.507	229.1	189.5095215
1.798	237.8	168.6422867	29.15	2.395	231.1	183.8836779
1.851	232.9	179.2802945	29.21	2.242	227.7	193.8009328
1.436	227.9	193.1689136	29.3	1.796	224.8	187.9748679
2.087	222.9	182.2598979	29.37	2.679	218.1	170.0444603
1.891	232.2	181.0216499	29.23	2.293	228.7	190.7045403
1.634	240.4	163.9624173	29.23	2.003	236.3	171.6298847
2.156	247.9	153.475345	29.24	2.729	243	159.8555038
2.132	242.4	160.7556316	29.23	2.728	238.5	167.3221929
1.399	223.8	184.8977039	29.32	1.86	219.6	173.55231
1.156	210.8	156.2417902	29.53	1.309	212.1	158.3483275
1.567	215.4	164.3504379	29.7	2.073	208.6	152.9777221
1.93	238.5	167.3221929	29.67	2.277	233.2	178.5523232
1.228	245.3	156.6530324	29.54	1.732	242.7	160.3021067
1.187	221.5	178.3888034	29.57	1.386	216.7	166.9973396
1.829	210.2	155.3150699	29.65	2.29	203.2	146.3943767
1.604	225	188.6095808	29.58	2.052	222.9	182.2598979
1.302	242.3	160.9083592	29.6	1.724	238.9	166.5881931
1.932	230.8	184.6919171	29.63	2.511	229	189.8060036
1.864	246.9	154.6445213	29.55	2.482	242.2	161.0618684
1.548	244.8	157.3167727	29.51	2.162	240.7	163.4605101
1.825	236.9	170.4081994	29.55	2.465	231.5	182.824721
1.671	236.2	171.8370419	29.48	2.014	232.1	181.2753983
1.955	234	176.6631365	29.45	2.258	231.6	182.5632711
1.795	250.2	151.0243214	29.5	2.405	245.8	156.0067
1.888	240.6	163.6269725	29.51	2.365	235.7	172.8883094
1.744	211.4	157.1969778	29.59	2.341	208.4	152.6988115
2.188	205.7	149.2056183	29.6	2.72	199.3	142.7430964
2.508	192.9	138.471433	29.57	2.924	184.3	135.6843278
2.293	192.9	138.471433	29.51	2.848	184	135.6439919
2.176	205	148.379085	29.48	2.612	198.7	142.25535
1.687	243.6	158.9827372	29.5	2.199	237	170.2080831
1.444	256.3	145.9889028	29.63	2.04	252.8	148.6296284
1.281	255.6	146.4659307	29.62	1.855	252.8	148.6296284
1.764	243.9	158.5564148	29.72	2.438	238.5	167.3221929
2.271	223.6	184.3010071	29.63	2.738	216.5	166.5789856
1.815	218.7	171.416365	29.53	2.413	214	161.6837458
1.74	231.7	182.3031224	29.51	2.193	225.1	188.9294126
1.991	246	155.7529709	29.59	2.626	243	159.8555038
1.777	210.2	155.3150699	29.7	2.203	202.8	145.9799608
1.963	207.6	151.6116385	29.72	2.469	202.3	145.4751667
1.757	214.7	162.994021	29.75	2.456	210	155.0123664
1.977	220.3	175.2809825	29.62	2.465	213.6	160.955157
1.929	218.1	170.0444603	29.66	2.788	211.8	157.8499471

29.02	2.776	258.2	144.8178344	145.3968598	No
29.04	2.682	250	151.2247092	153.0699732	No
29.1	2.473	224.8	187.9748679	175.2613451	Yes
29.06	3.112	220.5	175.7860767	167.2614678	No
29.08	2.935	213.5	160.7752562	155.3127982	No
29.1	2.827	219.2	172.5912057	167.0538725	No
29.05	2.947	231.1	183.8836779	181.5493945	Yes
28.96	2.81	233.5	177.8350956	178.7139609	Yes
29.03	2.653	234.6	175.2945059	171.4007617	No
29.04	2.664	230.7	184.9640411	181.1217232	Yes
29.16	2.069	225.9	191.5488631	179.257268	Yes
29.22	3.065	222.7	181.6899539	178.8179539	Yes
29.07	2.568	231.2	183.6169505	183.4890386	Yes
29.09	2.248	235.4	173.5316387	165.9208256	No
29.08	3.042	245.9	155.8794948	156.9878555	No
29.07	3.076	241.3	162.4791534	164.7066624	No
29.19	2.091	222.5	181.1257634	180.4723043	Yes
29.4	1.773	210	155.0123664	155.3746312	No
29.55	2.371	213.1	160.0645165	161.045062	No
29.49	2.673	235.6	173.1016948	173.6789382	No
29.35	1.83	240.6	163.6269725	158.3927929	No
29.4	1.738	220.5	175.7860767	174.2230183	No
29.49	2.777	209.4	154.1225109	153.2389895	No
29.42	2.411	224.4	186.7249594	181.6192537	Yes
29.42	1.874	237.9	168.4508857	163.5980283	No
29.46	2.822	231.6	182.5632711	186.1228007	Yes
29.38	2.769	244.9	157.1826166	157.4175032	No
29.36	2.315	241.1	162.802978	158.6204299	No
29.39	2.728	235.2	173.9658487	172.8872906	No
29.31	2.408	234.8	174.8472386	176.9028135	Yes
29.3	2.753	236	172.2544374	177.2703637	Yes
29.33	2.656	247.6	153.8193224	152.475191	No
29.34	2.633	237.3	169.6136358	166.2367199	No
29.43	2.708	211.6	157.5218261	155.7692587	No
29.45	3.316	208.3	152.5604335	144.4620288	No
29.43	3.734	193.4	138.734051	136.6223404	No
29.39	3.396	192.9	138.471433	137.069515	No
29.38	3.224	206.8	150.5689831	145.965976	No
29.39	2.243	235.7	172.8883094	162.9193267	No
29.55	2.118	254.1	147.5733027	146.6168827	No
29.51	1.977	253.3	148.2125295	147.2507834	No
29.61	2.576	243	159.8555038	160.1944954	No
29.46	3.203	221.7	178.9252109	174.5677367	No
29.36	2.695	219.4	173.0693692	167.7342364	No
29.37	2.452	227.8	193.4841124	178.8701204	Yes
29.46	2.745	244	158.4157786	157.1730191	No
29.55	2.679	208.2	152.4227699	151.2206228	No
29.57	2.932	207.1	150.9548471	152.5935226	No
29.59	2.62	216.5	166.5789856	163.2740392	No
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29.51	3.078	214.9	163.3767931	160.7476079	No

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7/27/2019	14:10	30.16	0.862
7/27/2019	14:11	30.24	0.503
7/27/2019	14:12	30.31	0.643
7/27/2019	14:13	30.27	0.611
7/27/2019	14:14	30.33	0.439
7/27/2019	14:15	30.5	0.43
7/27/2019	14:16	30.75	0.387
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7/27/2019	14:19	30.89	0.72
7/27/2019	14:20	30.93	0.817
7/27/2019	14:21	31.09	0.661
7/27/2019	14:22	31.12	0.633
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7/27/2019	14:28	30.37	1.198
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7/27/2019	14:34	30.55	0.748
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7/27/2019	14:41	30.93	0.419
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7/27/2019	14:46	29.81	0.537
7/27/2019	14:47	29.94	0.697
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7/27/2019	14:50	30.33	0.639
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251.8	149.5052253	30.42
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237.2	169.810806	30.95
235.4	173.5316387	30.89
239.9	164.8158999	30.83
222.8	181.9742025	30.87
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225.3	189.5740787	31.13
229.1	189.5095215	30.93
225.9	191.5488631	30.74
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241.6	161.9995159	30.53
244.7	157.451638	30.4
238.6	167.137323	30.28
238.2	167.8823409	30.22
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222	179.7400211	30.41
222.7	181.6899539	30.48
215.5	164.548069	30.54
236	172.2544374	30.51
236.3	171.6298847	30.41
224.3	186.4164902	30.51
242.7	160.3021067	30.76
245.9	155.8794948	30.99
238.1	168.0709172	31.04
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240.1	164.4719393	30.04
252.2	149.1482972	29.79
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2.408	216.3	166.1647422	29.71	2.828	211.4	157.1969778
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1.374	252.4	148.9731899	29.57	1.82	251.2	150.0575889
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2.106	239.7	165.1633188	29.71	2.592	235.5	173.3161361
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1.35	254.9	146.9680947	29.76	1.86	253.5	148.0494963
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1.491	225.2	189.2509084	30.22	1.9	219.2	172.5912057
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1.825	221.5	178.3888034	30.47	2.438	216.4	166.3713526
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1.786	244.3	157.9982448	29.94	2.433	240.8	163.294883
2.082	226.3	192.9002508	29.98	2.693	221.4	178.1226162
2.359	232.8	179.5253688	29.87	3.124	225.2	189.2509084
2.462	229.3	188.9210494	29.75	3.157	223	182.5470487
1.97	232	181.5304128	29.73	2.654	225.3	189.5740787
1.789	234.9	174.6252563	29.81	2.387	230.1	186.6257896
1.585	221.8	179.1954466	29.96	2.005	217.1	167.8465446
1.904	221.1	177.3320297	29.99	2.279	217.4	168.49455
1.72	218.2	170.2702897	29.99	2.39	214	161.6837458
1.772	233.2	178.5523232	29.93	2.466	229.2	189.2145397
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1.152	225.3	189.5740787	30	1.264	220	174.5327325
1.117	249.2	152.0502072	30.26	1.489	247.1	154.4054945
1.058	243.5	159.1263255	30.52	1.361	237.7	168.8346381
1.576	235.8	172.6759748	30.51	2.097	231.3	183.3515534
2.072	236.8	170.6093072	30.25	2.506	232.1	181.2753983
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1.737	238.1	168.0709172	29.53	2.23	233.8	177.1284437
1.626	248.8	152.4775331	29.35	2.311	245.3	156.6530324
1.277	251.1	150.1516501	29.27	1.681	250.9	150.341502
1.458	243.3	159.4157407	29.48	1.897	236.7	170.8114111
1.695	240.2	164.3012465	29.67	2.131	233.3	178.312062
1.621	219.9	174.2857928	29.75	1.958	213.6	160.955157
1.504	225.3	189.5740787	29.85	1.98	219.3	172.8296935
1.63	227.2	195.4097096	29.83	1.982	221.7	178.9252109
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29.45	3.198	230.9	184.4211537	183.978995	Yes
29.44	2.853	237.1	170.0089535	180.7754405	Yes
29.38	2.506	261.4	143.23924	142.6762421	No
29.4	2.04	254.7	147.1162438	148.4737323	No
29.5	1.847	276.7	142.0017483	142.6031477	No
29.51	2.977	239.6	165.3383346	169.623591	No
29.41	2.692	241.2	162.6406568	162.882216	No
29.54	2.026	256.1	146.1226545	149.5765832	No
29.53	2.403	252.9	148.5451154	149.2075237	No
29.5	1.873	238.2	167.8823409	170.9302657	No
29.59	1.275	243.8	158.6977847	160.0988418	No
29.85	1.368	232.3	180.7691609	173.4491611	No
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30.26	2.203	220.7	176.2962446	172.9071028	No
30.15	2.171	224	185.5005447	178.9760443	Yes
30.06	2.154	223.6	184.3010071	173.1542908	No
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30.36	1.959	219.7	173.7955882	165.0687664	No
30.3	2.633	219	172.1177686	173.1706406	No
30.07	2.909	222.7	181.6899539	175.376865	Yes
29.81	3.023	221.2	177.5942369	171.3724095	No
29.75	2.546	242.5	160.6036824	161.7179767	No
29.79	3.035	225.3	189.5740787	174.3432052	No
29.71	3.334	230.1	186.6257896	178.3936507	Yes
29.58	3.744	229.1	189.5095215	180.0738437	Yes
29.58	2.752	228.8	190.403504	179.5455698	Yes
29.64	2.704	233.8	177.1284437	184.782749	Yes
29.79	2.279	222.2	180.290119	172.0705637	No
29.79	2.919	221.1	177.3320297	173.4719715	No
29.79	2.679	219	172.1177686	163.8390846	No
29.73	2.712	233.7	177.3628294	183.2303878	Yes
29.73	2.483	226.7	194.2803784	180.9761518	Yes
29.86	1.568	227.2	195.4097096	180.4849166	Yes
30.11	1.655	253.9	147.7298938	157.9802818	No
30.34	1.507	243.6	158.9827372	163.7647713	No
30.27	2.311	235	174.4043676	177.2490373	Yes
30	2.969	234.4	175.7462142	175.8182134	Yes
29.96	1.297	227.3	195.0846305	183.6675127	Yes
30.05	3.002	223.6	184.3010071	173.9903683	No
29.66	3.045	241.2	162.6406568	162.9496189	No
29.35	2.734	239.5	165.5142265	174.2867419	No
29.2	2.624	248.5	152.8045061	156.4002639	No
29.16	1.85	253.6	147.9687897	151.5161749	No
29.35	2.079	239.7	165.1633188	164.3564022	No
29.51	2.405	238.1	168.0709172	171.1715762	No
29.58	2.418	218	169.8197457	170.9074411	No
29.67	2.245	224.3	186.4164902	174.3846521	No
29.68	2.347	228.6	191.0071128	177.9924771	Yes
29.7	2.478	220.2	175.0303206	174.8055643	No
29.6	2.384	254	147.6513318	150.3513964	No

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7/27/2019	14:58	30.61	0.419
7/27/2019	14:59	30.69	0.805
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7/27/2019	15:01	30.8	1.028
7/27/2019	15:02	30.81	0.535
7/27/2019	15:03	30.83	0.557
7/27/2019	15:04	30.75	0.467
7/27/2019	15:05	30.83	0.485
7/27/2019	15:06	30.88	0.75
7/27/2019	15:07	30.73	0.714
7/27/2019	15:08	30.68	0.522
7/27/2019	15:09	30.8	0.583
7/27/2019	15:10	30.78	0.593
7/27/2019	15:11	30.8	0.556
7/27/2019	15:12	30.76	0.609
7/27/2019	15:13	30.75	0.653
7/27/2019	15:14	30.71	0.592
7/27/2019	15:15	30.66	0.593
7/27/2019	15:16	30.62	0.599
7/27/2019	15:17	30.53	1.248
7/27/2019	15:18	30.24	1.063
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7/27/2019	15:21	30.03	0.806
7/27/2019	15:22	30.15	0.752
7/27/2019	15:23	30.21	0.543
7/27/2019	15:24	30.32	0.542
7/27/2019	15:25	30.46	0.528
7/27/2019	15:26	30.62	0.637
7/27/2019	15:27	30.78	0.578
7/27/2019	15:28	30.9	0.606
7/27/2019	15:29	30.9	0.841
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7/27/2019	15:31	30.92	0.831
7/27/2019	15:32	30.75	1.086
7/27/2019	15:33	30.49	0.817
7/27/2019	15:34	30.44	0.878
7/27/2019	15:35	30.38	0.617
7/27/2019	15:36	30.22	0.975
7/27/2019	15:37	30.14	0.679
7/27/2019	15:38	30.08	0.839
7/27/2019	15:39	29.95	0.928
7/27/2019	15:40	29.85	1.056
7/27/2019	15:41	29.73	0.651
7/27/2019	15:42	29.62	0.496
7/27/2019	15:43	29.56	0.53
7/27/2019	15:44	29.5	0.483

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224.6	187.3466876	30.61
217.1	167.8465446	30.7
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202	145.1792559	30.85
211.9	158.0152438	30.86
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221.6	178.6563324	30.83
232.6	180.0191816	30.65
224.4	186.7249594	30.58
223.7	184.5985921	30.71
229.9	187.1909456	30.68
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216.9	167.4198452	30.67
237	170.2080831	30.65
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234	176.6631365	30.51
231.6	182.5632711	30.44
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234.5	175.5198021	29.94
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228.8	190.403504	30.41
235.9	172.4646859	30.6
214.8	163.184934	30.78
218	169.8197457	30.94
206	149.5695304	30.96
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205.4	148.8475437	31
228.4	191.6169031	30.84
228.1	192.5433417	30.56
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227.2	195.4097096	30.44
230.9	184.4211537	30.26
213.6	160.955157	30.18
200	143.3363204	30.16
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192	138.0276292	30
208.8	153.2595242	29.92
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227.2	195.4097096	29.77
267	141.6027124	29.7

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1.086	242.9
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1.695	217.2
1.153	220.7
1.184	220.6
1.372	215.4
1.169	214.4
1.399	212.5
1.436	225.1
1.318	223.4
1.419	220.8
1.381	227.7
2.414	218.1
2.224	224.5
1.954	219
1.822	224.8
1.675	222.2
1.551	223.5
1.374	234.6
1.25	220.7
1.262	214
1.175	223.1
1.117	205.5
1.169	207
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2.129	208.7
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1.313	210.5
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1.127	256.1

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153.8318952	30.31
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141.1176841	30.33
150.3151193	30.3
172.6759748	30.37
160.0036074	30.34
181.6899539	30.42
157.6854758	30.45
168.0614801	30.24
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176.0405229	30.31
164.3504379	30.32
162.4269132	30.29
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183.7103804	30.25
176.5532489	30.25
193.8009328	30.21
170.0444603	30.14
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180.290119	29.74
184.0049395	29.86
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161.6837458	30.16
182.8356637	30.3
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150.8255466	30.53
148.729472	30.47
145.0817692	30.53
140.8336095	30.44
153.4015168	30.26
153.1182603	30.06
170.2702897	30.04
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166.5789856	29.93
145.5749597	29.85
143.9560723	29.81
141.7100752	29.69
136.1668004	29.59
143.4232201	29.5
155.7749165	29.44
184.5985921	29.43
146.1226545	29.43

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1.784	231.6	182.5632711	30.01	2.248	224.2	186.1096044
1.075	224.3	186.4164902	30.05	1.308	216.4	166.3713526
2.052	216.4	166.3713526	30.12	2.395	213.2	160.24088
1.664	213.9	161.5002424	30.18	1.992	207.5	151.4788997
2.069	203.3	146.4994658	30.1	2.395	196.5	140.6257933
1.309	209	153.5442409	30.07	1.82	203.1	146.2898835
1.436	242.5	160.6036824	30.17	1.792	237.6	169.0279442
1.239	242	161.3712442	30.17	1.564	240.4	163.9624173
1.348	228.9	190.1039947	30.24	1.924	222	179.7400211
1.651	219.2	172.5912057	30.24	2.204	217.7	169.1522337
1.955	228.5	191.3112307	30.04	2.475	223.6	184.3010071
1.333	225.1	188.9294126	30	1.637	225.1	188.9294126
1.34	227.3	195.0846305	30.1	1.695	223.9	185.1983516
1.377	226.8	194.6299891	30.11	1.808	221.7	178.9252109
1.384	225.3	189.5740787	30.07	1.649	217.7	169.1522337
1.529	220.5	175.7860767	30	1.909	212.6	159.1957351
1.625	233.7	177.3628294	30.02	1.971	227.5	194.4394783
1.42	235.7	172.8883094	30.06	1.787	229	189.8060036
1.433	228.8	190.403504	30.08	1.819	227.1	195.6900033
1.645	235.3	173.7482078	30.04	2.137	228.3	191.9241395
2.857	225.6	190.5537426	29.98	3.489	219.5	173.3102392
2.521	232.2	181.0216499	29.72	3.294	227	195.3347893
2.376	226.7	194.2803784	29.62	3.051	220.3	175.2809825
2.326	231.9	181.7867003	29.58	2.86	227.9	193.1689136
2.026	230.9	184.4211537	29.63	2.508	229.2	189.2145397
1.821	232.7	179.7716623	29.73	2.206	225.3	189.5740787
1.548	242.3	160.9083592	29.77	2.048	238.3	167.6946976
1.238	226.8	194.6299891	29.87	1.596	223.6	184.3010071
1.257	224.6	187.3466876	29.99	1.643	214.8	163.184934
1.45	229.5	188.3385084	30.13	1.641	223.7	184.5985921
1.246	207.5	151.4788997	30.21	1.452	205.6	149.0856146
1.365	217.3	168.2774801	30.32	1.623	208.5	152.8379067
1.624	209.4	154.1225109	30.23	2.137	203.1	146.2898835
2.041	206.1	149.6921424	30.29	2.637	200.5	143.7762629
2.037	201.8	144.9848547	30.17	2.754	196	140.2893212
2.455	216.5	166.5789856	30	3.279	210.3	155.4675767
2.39	215	163.5696028	29.81	3.015	209	153.5442409
2.056	225.8	191.2154206	29.82	2.421	218.7	171.416365
1.491	228.9	190.1039947	29.86	1.853	223.4	183.7103804
2.471	225.4	189.898934	29.76	2.968	220.8	176.5532489
1.657	205	148.379085	29.66	2.037	202.1	145.2773166
2.17	205.7	149.2056183	29.64	2.794	201.2	144.4152874
2.13	204	147.2519401	29.52	2.771	196.2	140.4224336
2.005	194.9	139.5919783	29.4	2.308	188.7	136.7103661
1.691	210.1	155.1633342	29.31	2.279	201.5	144.6975271
1.206	224.4	186.7249594	29.28	1.736	214	161.6837458
1.476	231.2	183.6169505	29.28	1.802	226.5	193.5866754
1.168	261	143.4102756	29.32	1.754	254.9	146.9680947

29.65	2.244	224.4	186.7249594	178.2067529	Yes
29.71	1.888	213.1	160.0645165	148.81543	No
29.8	1.742	220.4	175.5328989	164.5993719	No
29.84	2.497	228.5	191.3112307	181.6894166	Yes
29.86	1.494	220.8	176.5532489	174.9187966	No
29.96	2.903	217.7	169.1522337	162.0726681	No
30.02	2.294	214.3	162.2397397	157.5143803	No
29.95	3.072	204.9	148.2635581	143.3555498	No
29.91	2.06	205.3	148.729472	152.0411219	No
30.03	1.954	241.5	162.1585863	162.7769764	No
30.01	1.809	246.7	154.8861795	162.9813655	No
30.06	2.14	228	192.8553266	183.1389049	Yes
30.05	2.335	224	185.5005447	169.5213119	No
29.88	2.642	228.4	191.6169031	180.9232249	Yes
29.85	1.966	226.4	193.2425592	185.2200073	Yes
29.94	2.019	226.4	193.2425592	185.2305243	Yes
29.94	2.065	224.7	187.6599662	181.2741459	Yes
29.91	2.031	225	188.6095808	174.8663219	No
29.85	2.156	217.3	168.2774801	165.356554	No
29.89	2.265	234	176.6631365	182.7349509	Yes
29.93	1.928	234.3	175.9737479	176.8666404	Yes
29.94	2.04	228.1	192.5433417	185.4817627	Yes
29.89	2.38	233.5	177.8350956	184.0341042	Yes
29.85	3.992	225.8	191.2154206	179.1179283	Yes
29.59	3.683	230	186.9076557	184.230775	Yes
29.5	3.328	224.8	187.9748679	179.2997329	Yes
29.47	3.462	232.8	179.5253688	182.6096162	Yes
29.5	2.888	231.7	182.3031224	182.3614036	Yes
29.62	2.611	231.3	183.3515534	182.9156856	Yes
29.65	2.189	238.8	166.7703272	163.6564334	No
29.76	1.663	226	191.884056	182.3529519	Yes
29.89	1.762	218.9	171.8828066	175.6547178	Yes
30.03	1.88	228.1	192.5433417	182.0593625	Yes
30.1	1.72	208.7	153.1182603	153.1789264	No
30.21	1.884	216.3	166.1647422	160.4401698	No
30.12	2.513	207.3	151.2154981	149.6778492	No
30.17	2.911	204.8	148.1486618	148.3157241	No
30.03	3.038	202.4	145.5749597	143.7388323	No
29.88	3.657	217.5	168.7126952	166.7662456	No
29.72	3.507	213.9	161.5002424	165.6938614	No
29.71	3.035	225.2	189.2509084	176.5530786	Yes
29.75	2.149	229.4	188.6290418	186.9701043	Yes
29.66	3.609	226.1	192.2210107	179.3630806	Yes
29.6	2.389	206.7	150.441715	150.0466296	No
29.59	3.255	206.2	149.8154124	145.2283246	No
29.48	2.989	202.1	145.2773166	145.768037	No
29.39	2.856	195.5	139.9650888	137.6241935	No
29.33	2.561	209.3	153.9768314	149.1359014	No
29.31	1.74	217.6	168.9319213	171.3013179	No
29.31	2.053	236.1	172.0452245	189.3029819	Yes
29.33	1.927	261	143.4102756	144.5259343	No

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225.1	188.9294126	29.38
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202	145.1792559	29.51
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194.2	139.1784222	29.65
201.4	144.6028841	29.61
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214	161.6837458	30.73
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208	152.1495751	30.49
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246.6	155.008001	30.69
235	174.4043676	30.62
240.5	163.7942737	30.68
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227	195.3347893	30.01
215	163.5696028	29.66
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225.1	188.9294126	29.12
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225.5	190.2254851	29.01
232.2	181.0216499	29.05
233.8	177.1284437	29.14

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1.119	218.3
0.84	225.5
0.99	212.5
0.936	210.9
1.39	216.9
0.998	201.8
1.745	183.6
1.381	190.5
1.299	181.7
1.542	191
2.023	186.3
1.618	197.5
1.384	198.7
1.299	197.2
1.451	203.2
1.505	211.5
1.788	210
1.461	207
1.301	217.4
0.997	221.2
1.57	214.6
1.268	201.4
1.505	196.3
1.297	200.2
1.624	198
1.555	191.1
1.688	190.9
1.406	202
1.711	201.2
1.567	203.9
1.457	206.2
1.528	204.7
1.278	220
1.371	233.6
1.313	221.7
1.116	229.6
1.084	215.9
1.218	211.4
1.884	215.7
1.733	203.9
1.338	199.6
1.841	208.8
1.788	215.3
1.675	217.8
1.34	209.2
1.698	216.4
1.563	210.4
1.528	211.4
1.816	217.7

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170.4972397	29.21
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156.3989918	29.19
167.4198452	29.22
144.9848547	29.24
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135.458704	29.28
137.577514	29.3
136.0492916	29.3
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142.25535	29.33
141.1176841	29.46
146.3943767	29.63
157.3589946	29.74
155.0123664	29.69
150.8255466	29.63
168.49455	29.57
177.5942369	29.62
162.8040494	29.67
144.6028841	29.71
140.4897269	29.91
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141.7100752	30.15
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137.5349652	30.3
145.1792559	30.35
144.4152874	30.21
147.1426245	30.06
149.8154124	29.97
148.034394	29.94
174.5327325	30.01
177.5983781	30.23
178.9252109	30.22
188.0494405	30.26
165.3484246	30.03
157.1969778	29.87
164.946271	29.65
147.1426245	29.36
142.9941199	29.26
153.2595242	29.18
164.1537804	29.1
169.3736382	29.02
153.8318952	28.96
166.3713526	28.91
155.6208578	28.89
157.1969778	28.92
169.1522337	28.99

1.524	243.4	159.2706591	29.25	1.837	240	164.6434892
1.027	240.9	163.1300876	29.16	1.271	237.1	170.0089535
1.054	230	186.9076557	29.14	1.45	221.2	177.5942369
0.972	236.6	171.014516	29.11	1.144	228.1	192.5433417
0.834	223.4	183.7103804	29.09	1.237	215	163.5696028
0.897	214.7	162.994021	29.09	1.173	211.4	157.1969778
1.366	229.7	187.7618297	29.12	1.786	218.7	171.416365
0.992	211.8	157.8499471	29.14	1.295	202.3	145.4751667
1.852	192.4	138.2203136	29.16	2.436	185.3	135.8458714
1.48	205	148.379085	29.12	1.716	194.9	139.5919783
1.434	189.3	136.9142707	29.13	1.616	184.5	135.7132992
1.489	198	141.7100752	29.14	2.001	190.6	137.4099861
2.212	195.5	139.9650888	29.14	2.808	186.8	136.1668004
1.614	204.4	147.6953406	29.09	2.177	197.6	141.4098131
1.544	208	152.1495751	29.16	1.951	202.3	145.4751667
1.485	206.3	149.9393426	29.26	1.72	198.8	142.3353263
1.609	210.3	155.4675767	29.41	1.975	203.4	146.6051528
1.646	220.5	175.7860767	29.5	2.107	214.6	162.8040494
1.835	221	177.0711342	29.43	2.413	211.2	156.8753741
1.544	216.2	165.9591491	29.37	1.983	211.1	156.7157803
1.2	230.4	185.7886529	29.33	1.719	226.6	193.9326112
1.189	233	179.0364331	29.4	1.416	222.9	182.2598979
1.795	222.5	181.1257634	29.45	2.287	219.1	172.3538995
1.562	212.8	159.540656	29.49	1.789	203.7	146.9258206
1.689	202	145.1792559	29.65	2.002	195.1	139.7144254
1.614	208	152.1495751	29.73	1.831	201.4	144.6028841
1.704	204.3	147.5835656	29.82	2.308	196.5	140.6257933
1.827	198.6	142.1758963	29.85	2.229	191.3	137.7078372
1.832	198.4	142.0185516	29.92	2.352	189.4	136.949775
1.744	210.2	155.3150699	29.96	2.083	203.5	146.7114396
1.78	207.4	151.3468538	29.82	2.358	201.9	145.0817692
1.666	211.6	157.5218261	29.68	2.22	204.2	147.4724086
1.605	213.7	161.1359522	29.61	1.949	207.8	151.8792052
1.644	209.2	153.8318952	29.61	2.019	202.1	145.2773166
1.504	227.4	194.7612235	29.7	1.855	219.6	173.55231
1.402	237.5	169.2222095	29.94	1.91	233.5	177.8350956
1.591	228.7	190.7045403	29.96	1.984	221	177.0711342
1.254	234.8	174.8472386	30	1.603	231.3	183.3515534
1.254	225.8	191.2154206	29.8	1.407	221.8	179.1954466
1.314	219.9	174.2857928	29.64	1.665	209.2	153.8318952
1.993	223.1	182.8356637	29.46	2.66	216.7	166.9973396
1.795	215.3	164.1537804	29.22	2.274	208.1	152.2858181
1.473	210.7	156.0853794	29.12	1.768	203.5	146.7114396
1.785	218.4	170.7253164	29.07	2.47	209.6	154.4161117
2.027	223.7	184.5985921	29.01	2.585	216.9	167.4198452
1.944	229.6	188.0494405	28.94	2.447	222.9	182.2598979
1.463	222.7	181.6899539	28.9	1.769	217.5	168.7126952
1.961	229.1	189.5095215	28.86	2.444	222.1	180.0143756
1.873	221.9	179.4670474	28.86	2.2	213.6	160.955157
1.757	223.6	184.3010071	28.87	2.115	216.6	166.7876462
2.199	226.5	193.5866754	28.95	2.755	218.5	170.9545255

29.25	2.121	243.4	159.2706591	164.2706587	No
29.16	1.388	243.1	159.7081601	172.7168038	No
29.15	1.508	228.6	191.0071128	182.5209407	Yes
29.12	1.329	234.1	176.4322033	177.5764316	Yes
29.1	1.245	220.3	175.2809825	173.8084887	No
29.11	1.349	214.2	162.0534901	157.1510072	No
29.13	2.033	225	188.6095808	177.0961851	Yes
29.17	1.488	205.9	149.4475739	152.9698928	No
29.18	2.722	193.5	138.7879636	136.9343332	No
29.16	1.879	203.7	146.9258206	142.6298832	No
29.17	2.095	191.8	137.9340071	135.9263634	No
29.19	2.43	197	140.9746448	141.4757984	No
29.2	3.177	195	139.6529623	137.8399008	No
29.14	2.466	203.6	146.8183282	143.7610148	No
29.19	2.326	207.9	152.0140384	147.4860069	No
29.26	2.117	204.2	147.4724086	144.7168799	No
29.41	2.367	210.7	156.0853794	149.0406117	No
29.46	2.535	221.2	177.5942369	171.0601309	No
29.39	2.685	217.8	169.3736382	167.7332693	No
29.33	2.398	217.8	169.3736382	159.2675197	No
29.3	1.866	229.6	188.0494405	177.514266	Yes
29.38	1.666	226.1	192.2210107	177.2746628	Yes
29.43	2.67	226.1	192.2210107	176.5969268	Yes
29.44	2.35	211.5	157.3589946	150.7708498	No
29.61	2.427	201	144.2299319	141.8310165	No
29.67	2.297	208	152.1495751	149.5282673	No
29.77	2.645	202.5	145.6753339	144.6036697	No
29.78	2.751	200.7	143.9560723	141.0539204	No
29.87	2.727	195.5	139.9650888	141.3972266	No
29.92	2.61	210	155.0123664	154.3690138	No
29.78	2.63	205.1	148.4952449	148.0807025	No
29.66	2.483	212.9	159.7144084	153.4551512	No
29.59	2.511	215.2	163.9580918	159.0352022	No
29.58	2.513	208.5	152.8379067	149.8232952	No
29.67	2.099	223.1	182.8356637	184.0222063	Yes
29.89	1.969	236.5	171.2186266	169.915921	No
29.9	2.225	224.3	186.4164902	180.2763132	Yes
29.94	1.845	235.9	172.4646859	177.5106266	Yes
29.75	1.778	226.8	194.6299891	180.7375594	Yes
29.62	2.006	214.6	162.8040494	163.8397815	No
29.45	2.886	219.6	173.55231	177.5285159	Yes
29.26	2.555	214.3	162.2397397	156.7879564	No
29.16	2.183	210.7	156.0853794	150.5081823	No
29.12	2.764	216.4	166.3713526	165.309154	No
29.06	3.191	221.1	177.3320297	174.3244953	No
29	2.685	225.6	190.5537426	179.0865283	Yes
28.96	2.14	224.2	186.1096044	173.2909892	No
28.92	2.968	227.5	194.4394783	177.4652746	Yes
28.91	2.551	220.8	176.5532489	171.5671368	No
28.93	2.599	222.3	180.5672593	172.3268203	No
29	3.116	225.2	189.2509084	177.7054696	Yes

7/27/2019	16:36	28.93	0.84
7/27/2019	16:37	29.04	0.868
7/27/2019	16:38	29.11	0.699
7/27/2019	16:39	29.21	1.07
7/27/2019	16:40	29.28	1.001
7/27/2019	16:41	29.35	0.667
7/27/2019	16:42	29.51	0.911
7/27/2019	16:43	29.65	0.683
7/27/2019	16:44	29.72	0.681
7/27/2019	16:45	29.6	0.775
7/27/2019	16:46	29.51	0.792
7/27/2019	16:47	29.63	0.65
7/27/2019	16:48	29.8	0.735
7/27/2019	16:49	30.01	0.672
7/27/2019	16:50	30.22	0.586
7/27/2019	16:51	30.4	0.697
7/27/2019	16:52	30.45	0.815
7/27/2019	16:53	30.5	0.901
7/27/2019	16:54	30.56	0.904
7/27/2019	16:55	30.48	1.01
7/27/2019	16:56	30.34	0.829
7/27/2019	16:57	30.19	0.723
7/27/2019	16:58	30.05	0.954
7/27/2019	16:59	29.99	0.811
7/27/2019	17:00	29.9	0.887
7/27/2019	17:01	29.84	0.809
7/27/2019	17:02	29.75	0.91
7/27/2019	17:03	29.66	0.812
7/27/2019	17:04	29.65	0.712
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7/27/2019	17:06	29.75	0.756
7/27/2019	17:07	29.84	0.653
7/27/2019	17:08	29.89	0.715
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7/27/2019	17:10	29.93	0.749
7/27/2019	17:11	30.1	0.838
7/27/2019	17:12	30.26	0.703
7/27/2019	17:13	30.38	0.695
7/27/2019	17:14	30.44	0.859
7/27/2019	17:15	30.52	0.93
7/27/2019	17:16	30.59	0.878
7/27/2019	17:17	30.61	0.792
7/27/2019	17:18	30.61	0.753
7/27/2019	17:19	30.66	0.657
7/27/2019	17:20	30.63	0.751
7/27/2019	17:21	30.56	0.665
7/27/2019	17:22	30.6	0.602
7/27/2019	17:23	30.63	0.872
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7/27/2019	17:25	30.67	0.722
7/27/2019	17:26	30.57	0.887

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232.6	180.0191816	29.43
227.7	193.8009328	29.51
218.8	171.6490075	29.64
232.1	181.2753983	29.72
232.1	181.2753983	29.79
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223.4	183.7103804	30.19
229.8	187.4756675	30.28
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221	177.0711342	29.84
206.8	150.5689831	29.98
200.2	143.5106627	30.22
192.3	138.1714606	30.51
204.8	148.1486618	30.79
217.2	168.0614801	30.98
211.2	156.8753741	30.98
200.7	143.9560723	30.97
197.1	141.0459134	31.01
182.1	135.475212	30.86
198.5	142.096964	30.68
199.5	142.9099119	30.51
210.7	156.0853794	30.38
207.7	151.7450728	30.33
194.3	139.23608	30.19
197.9	141.6342428	30.12
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195.9	140.2234999	29.94
193.9	139.008273	29.96
180.4	135.4506575	30.04
204	147.2519401	30.18
202.9	146.0826775	30.32
220.7	176.2962446	30.37
216.9	167.4198452	30.28
198.8	142.3353263	30.35
199	142.4968525	30.56
212	158.1813694	30.79
213.7	161.1359522	30.94
204.1	147.3618674	30.98
200.9	144.1380905	31.05
199.8	143.1641434	31.14
216.9	167.4198452	31.18
207.8	151.8792052	31.2
216.2	165.9591491	31.27
215.6	164.7466785	31.2
222.5	181.1257634	31.09
222.5	181.1257634	31.12
218.1	170.0444603	31.11
196.5	140.6257933	31.14
228.5	191.3112307	31.14
227.1	195.6900033	31.02

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2.036	207.2
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1.531	213.8
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1.375	211.2
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1.669	221.4
1.565	207
1.399	201.2
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1.176	189.4
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1.202	204.8
1.205	212.3
1.373	197
1.36	190.6
1.756	178.6
1.565	190.5
1.723	188.7
1.555	196.3
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1.403	191.6
1.615	193.5
1.76	183.6
1.749	188.6
1.325	186.8
1.601	177.4
1.364	198.9
1.318	199
1.526	211
1.265	212
1.167	197
1.116	187.5
1.07	211.6
1.107	209.7
1.309	203.1
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1.264	208.6
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1.405	194.2
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151.0848301	29.41
160.7752562	29.46
161.3176459	29.56
146.3943767	29.73
156.8753741	29.89
177.8577632	29.96
178.1226162	29.76
150.8255466	29.63
144.4152874	29.73
139.9016992	29.92
136.949775	30.18
149.2056183	30.43
148.1486618	30.63
158.684756	30.64
140.9746448	30.62
137.4099861	30.64
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137.4099861	30.42
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170.2702897	30.42
158.3483275	30.35

1.692	217.2	168.0614801	29.05	2.304	210.4	155.6208578
2.166	227.1	195.6900033	29.16	2.749	219	172.1177686
1.57	221.4	178.1226162	29.23	1.984	212	158.1813694
2.267	218	169.8197457	29.32	2.772	211.8	157.8499471
2.232	226	191.884056	29.36	2.73	219.9	174.2857928
1.464	224.8	187.9748679	29.44	2.037	216.4	166.3713526
1.814	212.1	158.3483275	29.58	2.22	208.3	152.5604335
1.376	222.1	180.0143756	29.71	1.751	214.4	162.4269132
1.905	228.7	190.7045403	29.76	2.399	224.1	185.8042924
2.083	233.3	178.312062	29.59	2.527	229.4	188.6290418
1.738	216.3	166.1647422	29.48	2.153	210.7	156.0853794
1.487	211.4	157.1969778	29.56	1.945	202.3	145.4751667
1.601	199.5	142.9099119	29.72	2.053	190.8	137.4928614
1.545	193	138.5230334	29.93	1.675	187.3	136.2949008
1.251	206.3	149.9393426	30.11	1.602	199.6	142.9941199
1.564	209.5	154.2689366	30.28	1.94	200.8	144.0468045
1.633	215.2	163.9580918	30.28	1.923	206	149.5695304
1.819	200.6	143.8658923	30.26	2.169	191.7	137.8878733
1.658	196.5	140.6257933	30.25	2.145	186	135.9838512
2.212	185.8	135.9423289	30.12	2.645	179.6	135.4803714
1.993	193.8	138.952495	29.91	2.459	186.3	136.0492916
1.781	193.5	138.7879636	29.74	2.418	187.5	136.3491176
1.84	205.5	148.9662571	29.62	2.221	195.8	140.1581671
1.686	203.5	146.7114396	29.62	2.058	195.6	140.0289626
1.65	194.6	139.411891	29.52	1.932	189.1	136.8445673
1.63	199.3	142.7430964	29.46	2.149	193.2	138.6276173
2.051	190.6	137.4099861	29.41	2.492	184.7	135.7439374
1.775	196.2	140.4224336	29.32	2.383	187.2	136.2684311
1.492	192.9	138.471433	29.34	1.774	184.2	135.6704665
1.617	179.4	135.4919297	29.42	2.086	176	135.9423289
1.628	207.8	151.8792052	29.54	1.948	197.7	141.484113
1.361	205.7	149.2056183	29.65	1.757	196	140.2893212
1.517	215.2	163.9580918	29.71	1.984	209.3	153.9768314
1.567	216.2	165.9591491	29.69	1.854	208.6	152.9777221
1.429	200.1	143.4232201	29.72	1.845	195	139.6529623
1.673	198.5	142.096964	29.87	1.768	189.9	137.1338452
1.422	214.8	163.184934	29.98	1.746	206.6	150.3151193
1.659	211.6	157.5218261	30.07	1.882	203.4	146.6051528
1.739	208.6	152.9777221	30.06	2.13	200	143.3363204
1.828	196.8	140.8336095	30.06	2.155	189	136.810367
2.005	200.8	144.0468045	30.1	2.329	193.3	138.6806025
1.593	212.9	159.7144084	30.08	2.01	204.2	147.4724086
1.461	214.9	163.3767931	30.11	1.499	204.5	147.8077356
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1.795	219.9	174.2857928	30.14	2.22	211	156.5569873
1.562	213.5	160.7752562	30.1	2.075	208.4	152.6988115
1.379	221.2	177.5942369	30.11	1.705	213.1	160.0645165
1.81	217.1	167.8465446	30.13	2.158	208.2	152.4227699
1.954	197.1	141.0459134	30.15	2.259	188.6	136.6778973
1.716	220.5	175.7860767	30.13	2.053	215.4	164.3504379
2.132	217.6	168.9319213	30.08	2.588	208.4	152.6988115

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29.18	3.123	224.2	186.1096044	178.0937557	Yes
29.25	2.445	216.8	167.2080708	171.5086686	No
29.32	3.244	217.8	169.3736382	162.6008826	No
29.37	3.226	225	188.6095808	177.0551258	Yes
29.45	2.174	222.4	180.8458047	174.2348162	No
29.57	2.651	217.4	168.49455	153.1926786	No
29.68	2.056	221.1	177.3320297	170.7567608	No
29.72	2.812	230.2	186.3453391	185.4605659	Yes
29.55	2.98	232.6	180.0191816	178.2365153	Yes
29.46	2.294	215.9	165.3484246	162.5367006	No
29.55	2.259	209.3	153.9768314	149.4141037	No
29.68	2.379	198	141.7100752	140.9537838	No
29.89	2.247	194.9	139.5919783	137.4847925	No
30.04	1.92	208.6	152.9777221	147.5719357	No
30.21	2.212	206.3	149.9393426	153.6314708	No
30.21	2.338	211.3	157.0357721	157.2719381	No
30.17	2.661	198.7	142.25535	141.6711207	No
30.18	2.544	192.9	138.471433	138.766386	No
30.1	3.236	187.5	136.3491176	135.613154	No
29.92	2.885	191.4	137.7521729	138.616991	No
29.77	2.794	195.6	140.0289626	138.6893398	No
29.65	2.617	204	147.2519401	146.4248826	No
29.67	2.411	199.3	142.7430964	144.5346093	No
29.58	2.431	193.4	138.734051	138.3336821	No
29.51	2.361	197.1	141.0459134	140.44823	No
29.45	3.027	192.9	138.471433	136.3650795	No
29.38	2.657	194.6	139.411891	138.3980655	No
29.41	2.24	188.4	136.6142539	137.3292433	No
29.49	2.506	184	135.6439919	135.6458804	No
29.61	2.352	205.8	149.3262707	145.7577713	No
29.71	1.884	199	142.4968525	144.5186174	No
29.74	2.32	215.7	164.946271	162.6970388	No
29.7	2.313	214.9	163.3767931	161.1345214	No
29.72	2.024	200.8	144.0468045	141.5965384	No
29.86	2.382	198.8	142.3353263	139.5191948	No
29.97	1.871	212.8	159.540656	157.3008122	No
30.03	2.365	213.6	160.955157	154.9567425	No
30.01	2.535	208.1	152.2858181	147.4914483	No
30	2.736	199.3	142.7430964	139.7980133	No
30.03	2.909	202.8	145.9799608	142.0971007	No
30.05	2.287	211.4	157.1969778	156.8960961	No
30.09	1.84	213.6	160.955157	155.4794919	No
30.13	2.297	216.5	166.5789856	162.4266074	No
30.08	2.59	217.7	169.1522337	164.7897653	No
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30.05	1.89	222	179.7400211	174.3602123	No
30.07	2.558	216.3	166.1647422	164.1196292	No
30.1	2.719	196.4	140.557513	139.3820065	No
30.09	2.257	222.9	182.2598979	175.4295087	Yes
30.04	2.971	213.5	160.7752562	168.9172659	No

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7/27/2019	17:32	30.66	0.568
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7/27/2019	17:43	30.62	1.006
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7/27/2019	17:46	30.37	0.653
7/27/2019	17:47	30.44	0.686
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7/27/2019	17:57	30.34	0.548
7/27/2019	17:58	30.37	0.678
7/27/2019	17:59	30.42	0.441
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7/27/2019	18:03	30.2	0.931
7/27/2019	18:04	30.09	0.955
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7/27/2019	18:13	30.09	0.642
7/27/2019	18:14	30.06	0.643
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7/27/2019	18:16	29.94	0.698
7/27/2019	18:17	29.94	0.817

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224.2	186.1096044	31.28
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229.7	187.7618297	31.15
213	159.8890273	31.09
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220.6	176.0405229	31.29
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232.4	180.5179243	31.54
239.2	166.0471971	31.34
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206.7	150.441715	30.83
212.8	159.540656	30.87
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211.1	156.7157803	31.03
215.8	165.1468514	30.92
222.7	181.6899539	30.77
231.5	182.824721	30.66
219.3	172.8296935	30.64
233.4	178.0729882	30.69
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235.7	172.8883094	30.86
236.1	172.0452245	30.9
219.5	173.3102392	30.94
238.9	166.5881931	31.02
237	170.2080831	30.96
224.3	186.4164902	30.74
220.8	176.5532489	30.59
228.3	191.9241395	30.48
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211.1	156.7157803	30.45
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230.2	186.3453391	30.47
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221.5	178.3888034	30.55
222.2	180.290119	30.59
229.1	189.5095215	30.64
222.7	181.6899539	30.59
227.1	195.6900033	30.56
229.2	189.2145397	30.45
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230.1	186.6257896	30.36

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0.86	210.6
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0.811	212.6
0.947	231.3
1.386	231.5
1.387	202.7
1.749	202.2
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1.888	203.2
0.96	208.7
1.157	204.4
1.308	200.7
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1.529	218.7
1.365	219.2
1.243	225.2
1.141	223.7
1.146	235.2
1.063	223
0.839	234.4
1.066	237.7
0.726	238.2
0.974	229.9
1.234	238.4
1.601	222.4
1.401	221
1.725	221.4
1.517	217.5
1.652	210.9
1.503	210.7
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1.203	217.5
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1.143	230.2
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1.4	223.8

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185.8042924	30.34
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182.824721	30.54
179.1954466	30.44
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155.9297559	30.39
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159.1957351	30.6
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182.5470487	30.13
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180.0191816	29.97
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181.9742025	29.88
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1.468	218	169.8197457	30	1.541	211.6	157.5218261
1.504	218.8	171.6490075	30.07	1.738	214.6	162.8040494
1.67	212.8	159.540656	30.09	1.951	202.8	145.9799608
1.172	214.1	161.8681603	30.13	1.439	208.7	153.1182603
1.369	223.1	182.8356637	30.23	1.649	218.5	170.9545255
1.698	231.4	183.0874794	30.21	1.885	228.3	191.9241395
1.588	221.9	179.4670474	30.14	1.977	214.3	162.2397397
1.784	216.1	165.7545685	30.09	2.017	209.1	153.6876994
1.63	212.9	159.7144084	30.07	1.554	203.2	146.3943767
1.106	215.8	165.1468514	30.13	1.271	207.5	151.4788997
1.386	212.2	158.5161218	30.22	1.554	208.4	152.6988115
1.331	226.6	193.9326112	30.32	1.628	224.2	186.1096044
1.856	230.7	184.9640411	30.24	2.433	224.4	186.7249594
2.071	206.6	150.3151193	30.07	2.436	195.6	140.0289626
2.411	204.9	148.2635581	29.95	2.793	196.3	140.4897269
2.145	207.7	151.7450728	29.85	2.666	199.4	142.8262379
2.018	206.6	150.3151193	29.76	2.73	198.4	142.0185516
1.277	211.1	156.7157803	29.78	1.633	201.7	144.8885107
1.501	203.5	146.7114396	29.87	1.981	196	140.2893212
1.947	205.7	149.2056183	29.93	2.229	197.9	141.6342428
1.945	213.2	160.24088	29.9	2.518	206.4	150.0639356
1.96	207.6	151.6116385	29.87	2.473	198.1	141.786421
1.764	218	169.8197457	29.8	2.368	211.6	157.5218261
1.875	219.6	173.55231	29.76	2.338	214.6	162.8040494
1.534	226.5	193.5866754	29.72	1.935	218.8	171.6490075
1.515	224.4	186.7249594	29.75	1.845	217.5	168.7126952
1.32	234.2	176.202409	29.79	1.829	225.8	191.2154206
1.469	221.1	177.3320297	29.85	1.683	213.8	161.3176459
1.158	228.3	191.9241395	29.93	1.402	221.2	177.5942369
1.463	234.4	175.7462142	29.98	1.633	229.2	189.2145397
1.005	228.5	191.3112307	30	1.182	227.1	195.6900033
1.44	231.4	183.0874794	30.03	1.646	222.6	181.4071437
1.576	234.9	174.6252563	30	1.943	229.6	188.0494405
1.996	221.7	178.9252109	29.87	2.524	216.7	166.9973396
1.882	223.1	182.8356637	29.75	2.217	215.9	165.3484246
1.979	223.8	184.8977039	29.67	2.517	215.6	164.7466785
1.742	217.5	168.7126952	29.64	2.235	208.9	153.4015168
2.14	211.8	157.8499471	29.61	2.59	206.4	150.0639356
1.827	215.6	164.7466785	29.6	2.181	206.9	150.6969261
1.619	227.9	193.1689136	29.6	2.019	221.2	177.5942369
1.577	217.9	169.5961403	29.66	1.933	209.9	154.8621634
1.596	216.5	166.5789856	29.68	1.833	210.9	156.3989918
1.695	219.2	172.5912057	29.67	1.975	210.9	156.3989918
1.464	227	195.3347893	29.66	1.634	224.1	185.8042924
1.612	222.7	181.6899539	29.67	1.857	216.7	166.9973396
1.452	228.3	191.9241395	29.65	1.723	219.6	173.55231
2.146	227.4	194.7612235	29.64	2.617	219.7	173.7955882
1.515	214	161.6837458	29.57	2.064	206.5	150.1891937
1.727	224.8	187.9748679	29.55	2.086	219.3	172.8296935

29.96	2.872	202.7	145.8778326	142.98658	No
29.91	2.286	226.4	193.2425592	185.8674355	Yes
29.97	1.993	217.1	167.8465446	166.8381557	No
30.03	2.044	223.6	184.3010071	175.9919324	Yes
30.05	2.449	209.5	154.2689366	154.9423889	No
30.1	1.644	218.4	170.7253164	158.9889257	No
30.16	1.927	228.2	192.2329492	181.5790709	Yes
30.15	2.274	234.1	176.4322033	181.1516668	Yes
30.08	2.134	220.1	174.7809062	177.1660159	Yes
30.04	2.431	215.6	164.7466785	160.1168118	No
30.02	2.102	211.7	157.6854758	156.9482774	No
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30.18	1.846	216.7	166.9973396	158.9904159	No
30.28	1.732	230	186.9076557	185.9779233	Yes
30.18	2.719	229	189.8060036	180.1402297	Yes
30.01	3.063	204.7	148.034394	146.2970429	No
29.91	3.475	205.1	148.4952449	147.1363374	No
29.83	3.223	208.7	153.1182603	148.6747955	No
29.77	3.051	204.8	148.1486618	147.2924407	No
29.8	1.8	205.5	148.9662571	153.5658018	No
29.9	2.292	202	145.1792559	146.0970609	No
29.96	2.736	205.3	148.729472	144.8497044	No
29.91	2.9	212.3	158.684756	156.5143845	No
29.87	2.814	203.3	146.4994658	149.5656254	No
29.82	2.623	218.9	171.8828066	165.9761971	No
29.77	2.798	220.7	176.2962446	172.6593798	No
29.73	2.119	226.6	193.9326112	184.3278281	Yes
29.76	2.185	226	191.884056	178.2164851	Yes
29.78	1.948	233.2	178.5523232	179.8641666	Yes
29.84	1.946	222	179.7400211	175.7216695	Yes
29.92	1.504	229	189.8060036	179.538225	Yes
29.97	1.989	236.4	171.4237479	176.4601541	Yes
29.98	1.366	235.2	173.9658487	182.0484535	Yes
30	1.867	230.3	186.0662962	179.5684404	Yes
29.98	2.156	235.8	172.6759748	175.0976907	Yes
29.85	3.069	224.1	185.8042924	178.2962113	Yes
29.75	2.587	226	191.884056	175.4521178	Yes
29.68	2.864	224.3	186.4164902	179.9227845	Yes
29.64	2.568	216.9	167.4198452	168.6343219	No
29.63	3.077	214.4	162.4269132	155.2571637	No
29.64	2.572	216.8	167.2080708	158.5832583	No
29.65	2.242	227.9	193.1689136	186.4343829	Yes
29.7	2.204	219.6	173.55231	165.9170597	No
29.72	2.232	219.5	173.3102392	166.9345334	No
29.69	2.321	216.9	167.4198452	169.2282461	No
29.69	1.963	230.8	184.6919171	187.6669462	Yes
29.69	2.219	225.2	189.2509084	180.1506831	Yes
29.67	1.917	227.3	195.0846305	186.877948	Yes
29.67	3.014	225.9	191.5488631	184.9363885	Yes
29.62	2.243	210.9	156.3989918	157.527974	No
29.61	2.396	226.8	194.6299891	183.0820137	Yes

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7/27/2019	18:52	29.35	0.488
7/27/2019	18:53	29.35	0.43
7/27/2019	18:54	29.27	0.739
7/27/2019	18:55	29.23	0.808
7/27/2019	18:56	29.17	0.602
7/27/2019	18:57	29.16	0.566
7/27/2019	18:58	29.14	0.563
7/27/2019	18:59	29.12	0.5
7/27/2019	19:00	29.13	0.326
7/27/2019	19:01	29.12	0.513
7/27/2019	19:02	29.16	0.452
7/27/2019	19:03	29.2	0.547
7/27/2019	19:04	29.21	0.454
7/27/2019	19:05	29.18	0.501
7/27/2019	19:06	29.16	0.713
7/27/2019	19:07	29.11	0.597
7/27/2019	19:08	29.04	0.46

222.1	180.0143756	30.37
224.2	186.1096044	30.44
228.7	190.7045403	30.42
248.6	152.6948941	30.37
231	184.1517432	30.31
220.8	176.5532489	30.32
234.7	175.0703199	30.31
237.3	169.6136358	30.29
236.4	171.4237479	30.32
229.3	188.9210494	30.18
218.2	170.2702897	30.21
215.4	164.3504379	30.28
228.2	192.2329492	30.24
232.1	181.2753983	30.15
215.5	164.548069	30.18
214.4	162.4269132	30.27
227.2	195.4097096	30.46
226.5	193.5866754	30.47
219.2	172.5912057	30.54
221.7	178.9252109	30.56
216.6	166.7876462	30.55
199.5	142.9099119	30.63
214.1	161.8681603	30.7
222.5	181.1257634	30.61
203.1	146.2898835	30.61
234.8	174.8472386	30.49
222.3	180.5672593	30.3
221.6	178.6563324	30.25
217	167.6326681	30.12
214.7	162.994021	30
227.5	194.4394783	29.95
212.2	158.5161218	29.96
225.2	189.2509084	29.91
215.3	164.1537804	29.85
212	158.1813694	29.8
230.3	186.0662962	29.83
223	182.5470487	29.73
225.7	190.8837175	29.66
216.5	166.5789856	29.57
219	172.1177686	29.57
223.6	184.3010071	29.56
221.5	178.3888034	29.55
227.4	194.7612235	29.58
214.1	161.8681603	29.6
214.7	162.994021	29.67
209.8	154.712722	29.75
209.4	154.1225109	29.8
219.4	173.0693692	29.77
206.4	150.0639356	29.75
214.2	162.0534901	29.67
220.2	175.0303206	29.58

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1.236	217.5
1.174	221.9
1.159	236.1
1.104	229
1.211	214.8
1.351	223
0.857	230.7
1.609	222.5
1.371	223.1
1.184	207.8
1.347	210.2
1.437	226.1
1.315	217.3
1.124	211.8
0.685	219.3
0.778	229.6
0.755	223.4
0.871	218.8
0.813	225.2
0.785	223.4
0.664	206.4
0.814	214.1
0.899	224.7
0.882	206.9
1.202	226.9
0.939	214.9
1.046	216
1.474	215.4
1.3	206.6
1.045	210.8
0.964	211.2
1.457	215
1.498	210.1
1.14	208.9
1.024	217.5
1.55	210.7
1.484	214.6
1.243	207.1
1.201	214.1
1.158	213.2
0.963	217.7
0.859	212.1
1.1	209.1
0.889	205
0.991	203.8
0.962	202.1
0.913	210.1
1.529	198.6
1.264	206.7
0.931	208.7

159.1957351	29.8
168.7126952	29.83
179.4670474	29.83
172.0452245	29.82
189.8060036	29.79
163.184934	29.78
182.5470487	29.76
184.9640411	29.76
181.1257634	29.78
182.8356637	29.71
151.8792052	29.74
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192.2210107	29.72
168.2774801	29.67
157.8499471	29.68
172.8296935	29.74
188.0494405	29.87
183.7103804	29.91
171.6490075	29.94
189.2509084	29.97
183.7103804	29.97
150.0639356	30
161.8681603	30
187.6599662	29.92
150.6969261	29.92
194.9814553	29.82
163.3767931	29.7
165.5509953	29.64
164.3504379	29.56
150.3151193	29.45
156.2417902	29.38
156.8753741	29.37
163.5696028	29.37
155.1633342	29.34
153.4015168	29.31
168.7126952	29.31
156.0853794	29.28
162.8040494	29.23
150.9548471	29.2
161.8681603	29.18
160.24088	29.16
169.1522337	29.18
158.3483275	29.19
153.6876994	29.19
148.379085	29.24
147.0339187	29.27
145.2773166	29.26
155.1633342	29.22
142.1758963	29.15
150.441715	29.09
153.1182603	29.03

1.499	216.3	166.1647422	29.54	1.784	205	148.379085
1.527	221.2	177.5942369	29.56	1.728	212.3	158.684756
1.524	223.1	182.8356637	29.55	1.799	216.5	166.5789856
1.446	237.9	168.4508857	29.54	1.83	231.4	183.0874794
1.262	226.7	194.2803784	29.52	1.606	218.9	171.8828066
1.491	217.5	168.7126952	29.51	1.82	210	155.0123664
1.561	224.3	186.4164902	29.48	1.9	219.4	173.0693692
1.154	231.9	181.7867003	29.48	1.305	224.7	187.6599662
1.922	226.1	192.2210107	29.52	2.282	220.8	176.5532489
1.631	226.7	194.2803784	29.48	2.079	218.9	171.8828066
1.475	212.7	159.3677662	29.49	1.698	203.9	147.1426245
1.707	217.3	168.2774801	29.48	1.984	209.3	153.9768314
1.677	226.7	194.2803784	29.47	2.131	220.6	176.0405229
1.585	223.5	184.0049395	29.44	1.846	216.1	165.7545685
1.365	217.4	168.49455	29.42	1.636	208.3	152.5604335
0.886	215.6	164.7466785	29.44	1.044	212.9	159.7144084
1.007	224.6	187.3466876	29.53	1.155	219.1	172.3538995
0.969	220.4	175.5328989	29.57	1.095	213.1	160.0645165
1.198	219.1	172.3538995	29.59	1.34	210.1	155.1633342
1.07	223.4	183.7103804	29.62	1.21	216.9	167.4198452
0.961	220.3	175.2809825	29.61	1.24	212.6	159.1957351
1.109	206.3	149.9393426	29.61	1.117	198.8	142.3353263
1.2	214.7	162.994021	29.6	1.292	204.4	147.6953406
1.158	225.5	190.2254851	29.54	1.391	220.1	174.7809062
1.093	208.6	152.9777221	29.52	1.377	203.7	146.9258206
1.218	229	189.8060036	29.44	1.671	221.6	178.6563324
1.067	220.5	175.7860767	29.35	1.455	212.8	159.540656
1.16	220.8	176.5532489	29.29	1.454	210.8	156.2417902
1.57	221	177.0711342	29.24	2.173	215.4	164.3504379
1.566	212.5	159.0245589	29.15	1.843	206.1	149.6921424
1.06	219.9	174.2857928	29.09	1.428	210	155.0123664
1.23	217.4	168.49455	29.06	1.5	214.2	162.0534901
1.398	222	179.7400211	29.09	1.969	212.2	158.5161218
1.594	216.7	166.9973396	29.08	2.071	208.6	152.9777221
1.07	216.7	166.9973396	29.06	1.404	207.6	151.6116385
1.002	226.6	193.9326112	29.02	1.369	215.7	164.946271
1.481	219.4	173.0693692	29.03	2.069	212.5	159.0245589
1.622	225.2	189.2509084	29	1.985	219	172.1177686
1.395	217.9	169.5961403	29.01	1.536	213.6	160.955157
1.184	225.2	189.2509084	28.98	1.565	216.5	166.5789856
1.213	223.1	182.8356637	28.95	1.529	217.6	168.9319213
0.963	230.1	186.6257896	28.97	1.26	220.7	176.2962446
0.778	225.1	188.9294126	28.94	1.091	215.8	165.1468514
0.973	221.1	177.3320297	28.93	1.387	212.5	159.0245589
0.908	214	161.6837458	28.97	1.179	205.6	149.0856146
1.037	217.6	168.9319213	28.96	1.272	206	149.5695304
0.945	212.9	159.7144084	28.92	1.234	203.4	146.6051528
0.944	222.1	180.0143756	28.88	1.226	214.7	162.994021
1.474	204.9	148.2635581	28.8	1.925	198.6	142.1758963
1.299	215.3	164.1537804	28.79	1.559	211.1	156.7157803
0.985	223.6	184.3010071	28.74	1.226	213.4	160.5962459

29.61	2.018	213.3	160.4181218	163.4384845	No
29.65	1.824	220	174.5327325	172.7753231	No
29.64	2.123	224.8	187.9748679	179.8965593	Yes
29.61	2.013	237	170.2080831	169.0696209	No
29.59	1.653	226.2	192.5597384	185.0302329	Yes
29.59	2.08	217.6	168.9319213	165.8658111	No
29.56	2.186	226.3	192.9002508	179.275807	Yes
29.55	1.476	229.6	188.0494405	181.0060858	Yes
29.58	2.632	227	195.3347893	180.3309427	Yes
29.55	2.268	228.4	191.6169031	184.4799745	Yes
29.57	1.899	211.6	157.5218261	157.1649714	No
29.58	2.392	220.7	176.2962446	160.4799548	No
29.56	2.402	229.1	189.5095215	188.6937153	Yes
29.53	2.227	222.4	180.8458047	174.8280966	No
29.54	1.737	217.7	169.1522337	160.8632499	No
29.57	1.152	217.3	168.2774801	164.9294234	No
29.66	1.31	227.2	195.4097096	185.7899343	Yes
29.7	1.157	220	174.5327325	178.2236178	Yes
29.71	1.497	217.5	168.7126952	167.9393617	No
29.74	1.456	225.4	189.898934	179.8265862	Yes
29.73	1.307	221.3	177.8577632	171.2436861	No
29.73	1.363	209.2	153.8318952	146.3121291	No
29.73	1.552	211.6	157.5218261	158.6064205	No
29.66	1.57	224.9	188.2914027	183.4480302	Yes
29.64	1.549	210.1	155.1633342	149.2225881	No
29.56	1.817	227.2	195.4097096	184.5727575	Yes
29.47	1.629	220.7	176.2962446	169.8176963	No
29.42	1.66	216.4	166.3713526	169.2505917	No
29.37	2.512	223.3	183.4173207	168.3511695	No
29.28	2.194	212.2	158.5161218	155.5064604	No
29.24	1.515	215.8	165.1468514	169.9948569	No
29.22	1.691	218.6	171.184873	161.484884	No
29.25	2.199	219.7	173.7955882	172.7691635	No
29.24	2.448	214.3	162.2397397	159.8230441	No
29.22	1.566	214.1	161.8681603	157.5479661	No
29.18	1.466	222.6	181.4071437	178.4144684	Yes
29.19	2.238	214.3	162.2397397	167.681589	No
29.15	2.157	223.4	183.7103804	178.764111	Yes
29.18	2.109	218.3	170.4972397	162.0212825	No
29.15	1.783	226.5	193.5866754	172.4539557	No
29.13	1.82	223.4	183.7103804	174.077368	No
29.13	1.294	224	185.5005447	177.6157678	Yes
29.1	1.278	223.7	184.5985921	176.7964538	Yes
29.11	1.494	219.4	173.0693692	162.978112	No
29.14	1.251	212.7	159.3677662	155.5356166	No
29.13	1.439	214	161.6837458	155.0620231	No
29.08	1.536	211.7	157.6854758	151.4298472	No
29.05	1.515	220	174.5327325	167.810275	No
28.97	2.13	207	150.8255466	145.6698216	No
28.96	1.885	218.7	171.416365	158.3411915	No
28.92	1.509	220.9	176.811543	168.2614585	No

7/27/2019	19:09	28.98	0.428
7/27/2019	19:10	28.92	0.557
7/27/2019	19:11	28.86	0.418
7/27/2019	19:12	28.83	0.408
7/27/2019	19:13	28.79	0.452
7/27/2019	19:14	28.74	0.453
7/27/2019	19:15	28.7	0.334
7/27/2019	19:16	28.63	0.346
7/27/2019	19:17	28.6	0.326
7/27/2019	19:18	28.61	0.357
7/27/2019	19:19	28.59	0.347
7/27/2019	19:20	28.59	0.341
7/27/2019	19:21	28.59	0.279
7/27/2019	19:22	28.59	0.359
7/27/2019	19:23	28.53	0.343
7/27/2019	19:24	28.48	0.343
7/27/2019	19:25	28.45	0.38
7/27/2019	19:26	28.38	0.516
7/27/2019	19:27	28.32	0.391
7/27/2019	19:28	28.23	0.474
7/27/2019	19:29	28.13	0.418
7/27/2019	19:30	28.06	0.371
7/27/2019	19:31	28	0.382
7/27/2019	19:32	27.94	0.361
7/27/2019	19:33	27.89	0.501
7/27/2019	19:34	27.83	0.49
7/27/2019	19:35	27.78	0.453
7/27/2019	19:36	27.75	0.479
7/27/2019	19:37	27.73	0.334
7/27/2019	19:38	27.67	0.338
7/27/2019	19:39	27.61	0.397
7/27/2019	19:40	27.53	0.43
7/27/2019	19:41	27.5	0.32
7/27/2019	19:42	27.46	0.367
7/27/2019	19:43	27.41	0.411
7/27/2019	19:44	27.33	0.471
7/27/2019	19:45	27.25	0.392
7/27/2019	19:46	27.16	0.419
7/27/2019	19:47	27.06	0.408
7/27/2019	19:48	26.96	0.452
7/27/2019	19:49	26.88	0.38
7/27/2019	19:50	26.77	0.516
7/27/2019	19:51	26.66	0.487
7/27/2019	19:52	26.56	0.515
7/27/2019	19:53	26.5	0.404
7/27/2019	19:54	26.41	0.467
7/27/2019	19:55	26.29	0.414
7/27/2019	19:56	26.18	0.39
7/27/2019	19:57	26.08	0.378
7/27/2019	19:58	25.98	0.358
7/27/2019	19:59	25.88	0.436

218.9	171.8828066	29.51
227.6	194.1193848	29.44
229.2	189.2145397	29.36
227.3	195.0846305	29.34
221.4	178.1226162	29.29
236.7	170.8114111	29.2
234.6	175.2945059	29.16
240.6	163.6269725	29.08
222.4	180.8458047	29.05
225.7	190.8837175	29.07
216.3	166.1647422	29.08
219.1	172.3538995	29.1
218.4	170.7253164	29.13
213.6	160.955157	29.17
216.1	165.7545685	29.1
214.4	162.4269132	29.04
217.3	168.2774801	28.99
220.2	175.0303206	28.89
216	165.5509953	28.83
222	179.7400211	28.73
216.4	166.3713526	28.61
213.7	161.1359522	28.54
219.8	174.0400802	28.49
220.4	175.5328989	28.44
212	158.1813694	28.4
216.2	165.9591491	28.34
208.6	152.9777221	28.28
202.9	146.0826775	28.26
213	159.8890273	28.23
203.7	146.9258206	28.21
216.4	166.3713526	28.15
205.2	148.6120398	28.07
201.6	144.7927354	28.02
190.8	137.4928614	27.97
198.2	141.8632814	27.93
188.9	136.7766005	27.87
187.3	136.2949008	27.8
192.3	138.1714606	27.72
193.2	138.6276173	27.63
199.2	142.6604859	27.53
194.5	139.3528135	27.42
204.2	147.4724086	27.28
207.3	151.2154981	27.16
211.2	156.8753741	27.05
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196.8	140.8336095	26.7
201.1	144.3223303	26.53
193.7	138.8971847	26.39
193.3	138.6806025	26.28
203.8	147.0339187	26.19

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0.866	212.7
0.807	209.3
0.889	211.3
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0.717	220
0.957	220
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0.661	206.6
0.755	201.8
0.747	199.7
0.724	200.6
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1.056	201.4
0.822	196.9
0.851	200.6
1.057	198.8
0.823	195.4
0.99	200.5
0.901	202.2
0.738	199.4
0.642	201.4
0.685	197.6
0.852	196.5
0.901	194.9
0.76	195.9
0.679	193.2
0.594	195.2
0.674	194.6
0.634	196.8
0.766	191.3
0.551	190.2
0.51	186.4
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0.616	182.3
0.533	176.4
0.57	178
0.621	185.7
0.647	187.3
0.569	189
0.751	193.2
0.709	197.7
0.684	196.4
0.531	193.5
0.568	196.2
0.534	190.8
0.593	194
0.499	188.9
0.573	189.2
0.564	191.4

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153.9768314	28.89
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186.7249594	28.81
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149.6921424	28.69
150.3151193	28.68
144.9848547	28.67
143.0788632	28.67
143.8658923	28.67
139.3528135	28.65
144.6028841	28.59
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143.8658923	28.5
142.3353263	28.42
139.9016992	28.36
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145.3759529	28.2
142.8262379	28.12
144.6028841	28.07
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139.5919783	27.93
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140.8336095	27.71
137.7078372	27.65
137.249547	27.59
136.0719483	27.54
135.6073966	27.48
135.4859439	27.42
135.8643244	27.36
135.6191797	27.28
135.9221983	27.17
136.2949008	27.06
136.810367	26.98
138.6276173	26.86
141.484113	26.78
140.557513	26.72
138.7879636	26.69
140.4224336	26.59
137.4928614	26.47
139.0645196	26.34
136.7766005	26.22
136.8792016	26.13
137.7521729	26.04

0.923	220.5	175.7860767	28.69	1.143	213.6	160.955157
1.125	223.8	184.8977039	28.69	1.576	215.5	164.548069
0.911	226.2	192.5597384	28.66	1.062	218.6	171.184873
0.789	227.2	195.4097096	28.63	0.9	217.4	168.49455
1.068	224.9	188.2914027	28.61	1.133	217.3	168.2774801
0.87	238.4	167.507983	28.58	1.071	231.3	183.3515534
0.73	239.9	164.8158999	28.58	0.848	232.3	180.7691609
0.823	236.7	170.8114111	28.54	1.254	226.6	193.9326112
0.662	226.4	193.2425592	28.5	0.78	217.4	168.49455
0.707	226	191.884056	28.46	0.815	215.2	163.9580918
0.669	219.7	173.7955882	28.43	0.832	212.3	158.684756
0.701	218.7	171.416365	28.41	0.823	209.4	154.1225109
0.578	220.5	175.7860767	28.38	0.74	210	155.0123664
0.725	212.8	159.540656	28.33	1.015	204.3	147.5835656
0.744	212.5	159.0245589	28.29	1.117	205.8	149.3262707
0.712	211.9	158.0152438	28.22	0.982	205.5	148.9662571
0.806	213.4	160.5962459	28.2	1.067	208.8	153.2595242
0.956	213.3	160.4181218	28.16	1.227	204.5	147.8077356
0.778	212.5	159.0245589	28.1	0.976	202.3	145.4751667
0.815	216.7	166.9973396	28.04	1.206	208.7	153.1182603
0.963	216.4	166.3713526	27.97	1.154	208.5	152.8379067
0.723	209	153.5442409	27.89	0.888	204.7	148.034394
0.707	213.5	160.7752562	27.84	0.912	209.5	154.2689366
0.709	209.1	153.6876994	27.78	0.944	204.4	147.6953406
0.933	209.5	154.2689366	27.75	1.115	200.5	143.7762629
0.882	208.7	153.1182603	27.7	1.261	200	143.3363204
0.87	203.3	146.4994658	27.67	1.1	198.5	142.096964
0.774	202.3	145.4751667	27.6	0.947	197.8	141.5589225
0.639	204.4	147.6953406	27.57	0.832	199.1	142.5784051
0.65	201.8	144.9848547	27.54	0.951	195.5	139.9650888
0.694	201.2	144.4152874	27.47	0.904	200	143.3363204
0.824	200.7	143.9560723	27.44	1.105	194.8	139.5314724
0.631	194.3	139.23608	27.37	0.903	192.2	138.1230627
0.661	189.1	136.8445673	27.29	0.788	188.7	136.7103661
0.733	189.1	136.8445673	27.22	0.93	186.5	136.0950271
0.777	188.1	136.5220169	27.16	0.986	184.2	135.6704665
0.732	183.6	135.5960285	27.1	0.873	179.9	135.4661321
0.744	185.6	135.9024875	27.02	0.967	179.3	135.4983288
0.756	190.7	137.4512019	26.93	0.945	187.1	136.2423866
0.748	190.2	137.249547	26.83	0.943	190.7	137.4512019
0.779	189.4	136.949775	26.77	0.903	188.8	136.743267
0.862	198.2	141.8632814	26.67	1.116	193.9	139.008273
0.826	200	143.3363204	26.65	1.14	198.7	142.25535
0.916	201	144.2299319	26.63	1.078	198.2	141.8632814
0.776	196.9	140.9038772	26.62	0.921	196.2	140.4224336
0.787	196.9	140.9038772	26.52	0.955	196.9	140.9038772
0.74	195.6	140.0289626	26.39	0.921	193.6	138.8423412
0.741	199	142.4968525	26.28	0.988	197.8	141.5589225
0.669	194.9	139.5919783	26.17	0.893	193.6	138.8423412
0.708	194.3	139.23608	26.1	0.995	192.9	138.471433
0.811	195.1	139.7144254	26.03	0.916	191.2	137.6639493

28.87	1.305	221.3	177.8577632	165.4004406	No
28.88	1.793	223.8	184.8977039	174.644381	No
28.85	1.293	222.9	182.2598979	178.0817293	Yes
28.83	1.085	224.2	186.1096044	178.2414304	Yes
28.8	1.654	224.5	187.035022	172.9318178	No
28.78	1.32	238.9	166.5881931	177.0989768	Yes
28.77	1.036	238	168.2604307	173.8530748	No
28.73	1.408	231.6	182.5632711	175.7259318	Yes
28.7	1.005	224.9	188.2914027	173.0687641	No
28.67	0.966	219.9	174.2857928	174.2602462	No
28.64	1.046	216.3	166.1647422	160.9074853	No
28.64	1.086	216.8	167.2080708	160.2429096	No
28.6	0.844	214.3	162.2397397	161.3474129	No
28.55	1.207	211.3	157.0357721	151.858048	No
28.51	1.28	210	155.0123664	154.6770705	No
28.44	1.266	211.2	156.8753741	152.5780728	No
28.42	1.26	215.8	165.1468514	156.4997856	No
28.39	1.433	210.4	155.6208578	156.3978761	No
28.31	1.268	210.6	155.9297559	152.488105	No
28.27	1.517	213.8	161.3176459	160.907971	No
28.21	1.512	214.7	162.994021	157.7391412	No
28.13	1.2	211.8	157.8499471	151.3852062	No
28.1	1.165	215.4	164.3504379	158.4217893	No
28.04	1.247	210	155.0123664	154.581438	No
28.02	1.379	207	150.8255466	149.2130905	No
27.97	1.427	206.5	150.1891937	150.501427	No
27.95	1.306	207.9	152.0140384	145.4494129	No
27.9	1.151	204.8	148.1486618	142.936096	No
27.87	1.018	205	148.379085	147.4847854	No
27.87	1.135	201.9	145.0817692	142.8219138	No
27.8	1.162	204.7	148.034394	148.7391425	No
27.76	1.344	200.1	143.4232201	142.4518554	No
27.71	1.118	197.8	141.5589225	139.8503563	No
27.67	1.08	195.1	139.7144254	136.7799357	No
27.61	1.257	192.5	138.2696225	137.6025681	No
27.56	1.233	191.4	137.7521729	136.113757	No
27.51	1.231	187.6	136.3768654	135.8053465	No
27.43	1.302	188.4	136.6142539	136.2978642	No
27.32	1.268	194.5	139.3528135	137.060851	No
27.21	1.239	196.9	140.9038772	138.4140339	No
27.14	1.347	196	140.2893212	137.4640556	No
27.02	1.434	201.4	144.6028841	141.7428951	No
27.03	1.411	204.6	147.9207527	144.5728204	No
27.01	1.424	204.8	148.1486618	145.8815251	No
27.01	1.273	201	144.2299319	140.5725427	No
26.89	1.208	201.5	144.6975271	141.6381296	No
26.76	1.134	200.5	143.7762629	139.2994437	No
26.63	1.221	203.9	147.1426245	141.8606562	No
26.54	1.121	198.8	142.3353263	138.5270262	No
26.5	1.158	200.3	143.5986496	138.3168293	No
26.42	1.199	197.6	141.4098131	140.5411166	No

7/27/2019	20:00	25.79	0.392
7/27/2019	20:01	25.69	0.382
7/27/2019	20:02	25.6	0.26
7/27/2019	20:03	25.5	0.265
7/27/2019	20:04	25.39	0.303
7/27/2019	20:05	25.29	0.405
7/27/2019	20:06	25.18	0.335
7/27/2019	20:07	25.09	0.383
7/27/2019	20:08	25.02	0.372
7/27/2019	20:09	24.95	0.417
7/27/2019	20:10	24.89	0.307
7/27/2019	20:11	24.83	0.326
7/27/2019	20:12	24.76	0.347
7/27/2019	20:13	24.7	0.225
7/27/2019	20:14	24.63	0.23
7/27/2019	20:15	24.55	0.183
7/27/2019	20:16	24.48	0.183
7/27/2019	20:17	24.39	0.242
7/27/2019	20:18	24.29	0.131
7/27/2019	20:19	24.2	0.066
7/27/2019	20:20	24.12	0.109
7/27/2019	20:21	24.04	0.122
7/27/2019	20:22	23.94	0.139
7/27/2019	20:23	23.86	0.073
7/27/2019	20:24	23.79	0.062
7/27/2019	20:25	23.7	0.068
7/27/2019	20:26	23.62	0.062
7/27/2019	20:27	23.55	0.067
7/27/2019	20:28	23.48	0.1
7/27/2019	20:29	23.42	0.073
7/27/2019	20:30	23.35	0.104
7/27/2019	20:31	23.29	0.057
7/27/2019	20:32	23.24	0.027
7/27/2019	20:33	23.2	0.038
7/27/2019	20:34	23.13	0.038
7/27/2019	20:35	23.08	0.029
7/27/2019	20:36	23.03	0.024
7/27/2019	20:37	22.98	0.063
7/27/2019	20:38	22.93	0.107
7/27/2019	20:39	22.88	0.074
7/27/2019	20:40	22.84	0.106
7/27/2019	20:41	22.79	0.102
7/27/2019	20:42	22.74	0.134
7/27/2019	20:43	22.69	0.119
7/27/2019	20:44	22.65	0.134
7/27/2019	20:45	22.61	0.168
7/27/2019	20:46	22.58	0.147
7/27/2019	20:47	22.55	0.139
7/27/2019	20:48	22.52	0.186
7/27/2019	20:49	22.49	0.214
7/27/2019	20:50	22.47	0.146

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193	138.5230334	25.9
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198	141.7100752	25.33
202.8	145.9799608	25.25
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199	142.4968525	25.06
191.5	137.796957	24.99
191.2	137.6639493	24.92
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171.8	137.171973	24.56
162.3	142.9099119	24.46
190.8	137.4928614	24.36
181.2	135.4473567	24.27
175.4	136.0719483	24.16
157.3	147.8077356	24.06
175.4	136.0719483	23.96
177.2	135.7284098	23.87
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116.1	156.1345891	23.51
111.8	151.2247092	23.43
105	145.663343	23.35
65.44	156.4703183	23.28
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359.8	135.4704656	23.11
354	136.4336422	23.05
271.5	141.2825466	22.99
167.8	139.0645196	22.93
179.2	135.5051412	22.88
191.1	137.6205085	22.82
191.6	137.8421902	22.77
201.9	145.0817692	22.71
185.3	135.8458714	22.68
173.5	136.5830783	22.63
175	136.1668004	22.58
154.6	151.0848301	22.53
167.9	139.008273	22.5
166	140.1581671	22.46
153	153.2595242	22.43
148.8	159.8890273	22.41
161.9	143.249962	22.39

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0.391	184.7
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0.463	187.6
0.585	189.3
0.513	200.1
0.453	195.5
0.502	195.4
0.479	194.9
0.458	190.9
0.472	191
0.442	189.1
0.38	181.2
0.377	182.6
0.393	182.3
0.368	163.5
0.367	162.7
0.293	147.3
0.211	148.3
0.246	154.3
0.278	159.5
0.308	147.9
0.194	160.1
0.158	162.1
0.172	139.9
0.158	131.9
0.108	120.7
0.168	119.6
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0.168	110.5
0.077	78.74
0.04	59.1
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0.318	169.1
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137.577514	25.16
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0.616	191.1	137.6205085	25.74	0.795	186.8	136.1668004
0.604	200.1	143.4232201	25.62	0.784	195.8	140.1581671
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0.749	198	141.7100752	25.51	0.945	194.5	139.3528135
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0.723	201.2	144.4152874	25.45	0.894	197.5	141.3360215
0.676	198.7	142.25535	25.44	0.884	199.1	142.5784051
0.747	200.3	143.5986496	25.42	0.877	196.6	140.6945686
0.66	195.7	140.0933217	25.4	0.873	194.2	139.1784222
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0.61	190.3	137.2889944	25.33	0.772	187.1	136.2423866
0.547	190.7	137.4512019	25.25	0.757	185.8	135.9423289
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0.448	175.7	136.0052434	25.05	0.672	170	137.9340071
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0.32	153	153.2595242	24.82	0.497	152.2	154.4161117
0.245	157.7	147.3618674	24.67	0.407	151.9	154.8621634
0.277	165	140.8336095	24.53	0.443	158.4	146.6051528
0.32	171.5	137.2889944	24.43	0.509	165	140.8336095
0.357	154.3	151.4788997	24.33	0.5	154.2	151.6116385
0.26	163.7	141.786421	24.21	0.422	157.5	147.5835656
0.199	162.3	142.9099119	24.11	0.383	155	150.5689831
0.253	145	167.2080708	24.02	0.428	148.9	159.7144084
0.209	140.5	177.8577632	23.93	0.367	145.8	165.5509953
0.144	122	164.9891752	23.85	0.239	130	182.0442679
0.222	125.5	171.6298847	23.77	0.274	130.3	182.824721
0.192	111.8	151.2247092	23.69	0.286	116.7	156.9164217
0.221	114.1	153.7040237	23.61	0.311	116.6	156.7843776
0.155	98	142.366475	23.55	0.23	105.7	146.1226545
0.074	100.5	143.2813061	23.5	0.086	116.6	156.7843776
0.075	78.87	144.447059	23.45	0.151	108.3	148.0494963
0.082	97.5	142.2173074	23.41	0.167	111.2	150.6306288
0.086	114.2	153.8193224	23.37	0.142	124.9	170.4081994
0.072	162.2	142.9941199	23.34	0.189	156.5	148.729472
0.217	170.6	137.6639493	23.32	0.286	157.9	147.1426245
0.244	168.1	138.8971847	23.32	0.323	163	142.3353263
0.228	173.4	136.6142539	23.3	0.331	164.2	141.4098131
0.288	176	135.9423289	23.29	0.379	168.5	138.6806025
0.295	187.5	136.3491176	23.27	0.406	176.8	135.7930238
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0.368	173.5	136.5830783	23.29	0.513	170.4	137.7521729
0.402	173	136.743267	23.29	0.584	169.1	138.3696112
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0.42	163.4	142.0185516	23.33	0.66	162.3	142.9099119
0.404	159.1	145.8778326	23.33	0.605	160.4	144.6028841
0.473	156.1	149.2056183	23.31	0.659	156.4	148.8475437
0.457	151	156.2417902	23.29	0.629	151.8	155.0123664
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26.22	1.115	196.5	140.6257933	137.4629108	No
26.11	1.043	196.4	140.557513	137.0135699	No
26.01	1.026	200.6	143.8658923	142.1990332	No
25.93	1.062	200.5	143.7762629	138.8277244	No
25.89	1.107	202.7	145.8778326	139.6167216	No
25.86	1.125	202.8	145.9799608	143.3994151	No
25.87	1.116	205.1	148.4952449	141.8566182	No
25.86	1.087	205	148.379085	142.6788538	No
25.82	1.169	202.5	145.6753339	144.393224	No
25.81	1.062	200.3	143.5986496	141.3840452	No
25.77	1.109	200.1	143.4232201	139.8167924	No
25.77	1.009	195.2	139.7763685	137.0432263	No
25.68	0.943	195.5	139.9650888	136.6262092	No
25.62	0.975	193.2	138.6276173	135.7830516	No
25.58	0.963	188.2	136.5523328	135.6160123	No
25.49	0.835	183.2	135.5547035	137.8778216	No
25.38	0.852	183.5	135.5850754	138.8993345	No
25.23	0.665	168.2	138.8423412	153.3001407	No
25.03	0.614	162.7	142.5784051	150.1230371	No
24.86	0.657	171.2	137.4099861	143.5912547	No
24.75	0.718	176.1	135.9221983	139.9174297	No
24.64	0.729	167.8	139.0645196	153.0996291	No
24.51	0.699	167.8	139.0645196	142.5826114	No
24.41	0.653	167.8	139.0645196	143.071542	No
24.32	0.713	165.5	140.4897269	170.1688299	No
24.23	0.602	162.6	142.6604859	173.5150536	No
24.13	0.482	153.5	152.5604335	163.5535107	No
24.03	0.487	154.5	151.2154981	167.9127658	No
23.95	0.459	138.4	183.7103804	152.6225147	No
23.85	0.533	139.1	181.6899539	151.5289616	No
23.83	0.464	132.4	188.6290418	147.3691888	No
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23.74	0.311	137.2	187.3466876	147.0317473	No
23.7	0.326	141.1	176.2962446	146.662499	No
23.69	0.422	153.3	152.8379067	153.2985019	No
23.68	0.348	162.4	142.8262379	147.7166636	No
23.66	0.489	169.1	138.3696112	141.7374892	No
23.66	0.508	173.3	136.6458601	138.964722	No
23.64	0.5	174.2	136.3768654	138.454009	No
23.61	0.558	179.2	135.5051412	137.0409317	No
23.59	0.595	185.9	135.9628798	138.1715306	No
23.61	0.712	187.4	136.3217962	135.6823895	No
23.62	0.743	181.5	135.452927	137.3864867	No
23.62	0.799	181	135.4457063	137.4123225	No
23.63	0.85	175	136.1668004	147.1422127	No
23.66	0.92	178.4	135.5745369	142.1113853	No
23.67	0.882	175.7	136.0052434	144.0785544	No
23.68	0.954	173	136.743267	151.8106105	No
23.69	0.922	167.3	139.3528135	157.7143981	No
23.65	0.861	167.1	139.4714437	149.7980727	No

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7/27/2019	20:55	22.34	0.097
7/27/2019	20:56	22.31	0.068
7/27/2019	20:57	22.28	0.075
7/27/2019	20:58	22.25	0.123
7/27/2019	20:59	22.22	0.154
7/27/2019	21:00	22.18	0.233
7/27/2019	21:01	22.15	0.265
7/27/2019	21:02	22.13	0.272
7/27/2019	21:03	22.1	0.281
7/27/2019	21:04	22.08	0.251
7/27/2019	21:05	22.05	0.21
7/27/2019	21:06	22.02	0.227
7/27/2019	21:07	21.99	0.25
7/27/2019	21:08	21.97	0.297
7/27/2019	21:09	21.94	0.311
7/27/2019	21:10	21.91	0.283
7/27/2019	21:11	21.89	0.23
7/27/2019	21:12	21.87	0.273
7/27/2019	21:13	21.84	0.261
7/27/2019	21:14	21.81	0.286
7/27/2019	21:15	21.78	0.225
7/27/2019	21:16	21.76	0.202
7/27/2019	21:17	21.73	0.266
7/27/2019	21:18	21.7	0.221
7/27/2019	21:19	21.69	0.277
7/27/2019	21:20	21.67	0.263
7/27/2019	21:21	21.67	0.288
7/27/2019	21:22	21.67	0.274
7/27/2019	21:23	21.66	0.234
7/27/2019	21:24	21.66	0.17
7/27/2019	21:25	21.65	0.153
7/27/2019	21:26	21.63	0.175
7/27/2019	21:27	21.61	0.255
7/27/2019	21:28	21.6	0.355
7/27/2019	21:29	21.58	0.288
7/27/2019	21:30	21.58	0.242
7/27/2019	21:31	21.57	0.284
7/27/2019	21:32	21.55	0.272
7/27/2019	21:33	21.54	0.251
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7/27/2019	21:38	21.45	0.234
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7/27/2019	21:41	21.4	0.196

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161.5	143.5986496	22.02
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184.9	135.7762441	21.79
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158.4	146.6051528	21.61
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165.2	140.6945686	21.55
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166.1	140.0933217	21.51
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158	147.0339187	21.48
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0.162	138.9
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0.233	137.2
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0.365	143.9
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0.446	147.9
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0.561	163.6
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0.427	166.3
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0.435	162
0.475	157.4
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0.399	153.9
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0.245	152.7

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176.2962446	22.4
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143.0788632	21.84
152.0140384	21.82
143.1641434	21.81
147.6953406	21.8
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152.0140384	21.76
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145.2773166	21.71
142.1758963	21.69
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152.0140384	21.57
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0.192	137.7	185.8042924	22.79	0.369	132.6	189.2145397
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0.561	151.8	155.0123664	22.57	0.75	148.5	160.4181218
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0.492	157.9	147.1426245	22.52	0.69	153.7	152.2858181
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0.556	160.1	144.8885107	22.43	0.702	154.3	151.4788997
0.593	161.9	143.249962	22.4	0.798	157.5	147.5835656
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0.557	172.3	136.9857152	22.34	0.717	164.8	140.9746448
0.524	185.7	135.9221983	22.32	0.701	176.5	135.8458714
0.549	180	135.4622116	22.3	0.717	173.9	136.4626721
0.562	181.4	135.4506575	22.28	0.769	173.5	136.5830783
0.524	184.7	135.7439374	22.25	0.673	176.5	135.8458714
0.412	195	139.6529623	22.22	0.641	185	135.7930238
0.435	191.4	137.7521729	22.2	0.682	183.1	135.5454083
0.522	181.7	135.458704	22.19	0.653	175.7	136.0052434
0.504	175.8	135.9838512	22.17	0.681	170.2	137.8421902
0.49	173.3	136.6458601	22.16	0.679	167.5	139.23608
0.515	169.9	137.9805921	22.15	0.658	166.1	140.0933217
0.501	166	140.1581671	22.15	0.691	160.8	144.2299319
0.509	159.4	145.5749597	22.15	0.648	155.3	150.1891937
0.485	159.4	145.5749597	22.14	0.648	156.3	148.9662571
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0.393	157.9	147.1426245	22.09	0.532	153.9	152.0140384
0.444	164.1	141.484113	22.06	0.593	160.5	144.5088047
0.479	160.1	144.8885107	22.05	0.629	157.5	147.5835656
0.615	167.5	139.23608	22.05	0.76	162.8	142.4968525
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0.557	163.3	142.096964	22.06	0.79	160	144.9848547
0.546	158.9	146.0826775	22.04	0.704	154.6	151.0848301
0.552	162.3	142.9099119	22.01	0.724	158.2	146.8183282
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0.517	166.5	139.8387928	21.94	0.672	162.9	142.4158267
0.468	168.6	138.6276173	21.91	0.656	164.3	141.3360215
0.552	170.7	137.6205085	21.88	0.582	163.4	142.0185516
0.519	169.6	138.1230627	21.85	0.639	163.7	141.786421
0.507	165.9	140.2234999	21.82	0.642	160.4	144.6028841
0.492	161.8	143.3363204	21.79	0.563	159.7	145.2773166
0.368	163.7	141.786421	21.77	0.56	160.3	144.6975271
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23.46	0.65	162.2	142.9941199	142.0122263	No
23.38	0.626	159.8	145.1792559	161.3271588	No
23.31	0.76	156.3	148.9662571	175.6707295	Yes
23.26	0.616	149.1	159.3677662	165.9687346	No
23.15	0.556	141.8	174.5327325	187.7550112	Yes
23.05	0.611	144.1	169.1522337	173.0442598	No
22.97	0.752	147	163.184934	188.5951185	Yes
22.91	0.905	148.8	159.8890273	174.9309193	No
22.91	1.035	152.8	153.5442409	166.9148152	No
22.93	1.107	156.6	148.6120398	160.4047277	No
22.95	1.119	157.3	147.8077356	160.7614935	No
22.95	1.14	159.3	145.6753339	157.3957052	No
22.93	1.025	161.3	143.7762629	150.0363071	No
22.86	1.003	163.2	142.1758963	147.8650747	No
22.79	1.022	165.8	140.2893212	145.4726273	No
22.73	1.096	164.5	141.1899582	147.7774896	No
22.68	1.11	166.9	139.5919783	144.2267025	No
22.62	1.114	170.8	137.577514	141.9196158	No
22.59	1.059	175.3	136.0950271	138.7227388	No
22.57	0.927	183.1	135.5454083	135.9277783	No
22.55	0.958	182.3	135.4859439	135.8977548	No
22.52	1.035	182.4	135.4919297	135.9232941	No
22.49	0.954	182.9	135.52806	135.7341394	No
22.45	0.785	189.8	137.0961561	139.2624431	No
22.43	0.891	189.8	137.0961561	137.2369195	No
22.42	0.964	185.2	135.8278372	135.7302846	No
22.41	0.975	180.3	135.452927	136.8311154	No
22.41	1.007	178.5	135.564413	138.445259	No
22.4	0.957	176.3	135.8831963	138.727066	No
22.4	0.94	172.5	136.9142707	142.3115592	No
22.4	0.882	167.1	139.4714437	147.9847091	No
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22.38	0.86	161.9	143.249962	154.0287625	No
22.36	0.784	165.5	140.4897269	148.296032	No
22.33	0.848	169.7	138.0751192	142.4415874	No
22.33	0.948	170	137.9340071	146.6457697	No
22.33	1.039	173.5	136.5830783	141.2475994	No
22.34	1.031	171.6	137.249547	144.8111275	No
22.35	1.048	170.8	137.577514	145.0983823	No
22.32	0.928	166.7	139.7144254	149.4722814	No
22.27	1.001	168.3	138.7879636	145.769575	No
22.21	0.842	170.8	137.577514	140.903642	No
22.17	0.888	172	137.0961561	140.9246841	No
22.12	0.82	171.3	137.3692134	139.3964651	No
22.09	0.916	174.5	136.2949008	139.5517217	No
22.05	0.883	173.4	136.6142539	139.6888634	No
22.02	0.874	170.7	137.6205085	144.3534797	No
21.99	0.819	171.4	137.328883	145.6871589	No
21.97	0.753	172.1	137.0589052	144.9219862	No
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7/27/2019	21:53	21.1	0.062
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7/27/2019	22:22	20.69	0.051
7/27/2019	22:23	20.68	0.07
7/27/2019	22:24	20.67	0.064
7/27/2019	22:25	20.67	0.088
7/27/2019	22:26	20.66	0.107
7/27/2019	22:27	20.64	0.134
7/27/2019	22:28	20.63	0.144
7/27/2019	22:29	20.63	0.149
7/27/2019	22:30	20.62	0.151
7/27/2019	22:31	20.6	0.17
7/27/2019	22:32	20.59	0.191

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97.7	142.2756368	20.84
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178.3	135.5850754	20.72
153.6	152.4227699	20.71
177.2	135.7284098	20.69
161.3	143.7762629	20.68
180.3	135.452927	20.65
166.4	139.9016992	20.62
158.8	146.1859844	20.6
158.8	146.1859844	20.58
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169.3	138.2696225	20.5

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0.182	279.9
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0.156	302.6
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0.138	302.2
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0.126	309.9
0.074	340.4
0.061	48.92
0.114	89
0.102	72.78
0.119	93.4
0.084	96.8
0.109	90.4
0.095	97.3
0.062	121.9
0.08	111
0.127	132.2
0.065	143.7
0.099	134.4
0.08	104.7
0.095	117.1
0.088	136.8
0.133	139
0.127	150
0.127	146
0.167	162.6
0.193	152.5
0.23	151
0.267	146.5
0.276	157.4
0.257	156.2
0.307	158.8

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147.3423991	21.46
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142.6984082	21.48
141.5698857	21.46
143.0358082	21.43
156.6530324	21.42
145.5997344	21.41
147.4958051	21.4
146.8220309	21.4
184.8977039	21.4
195.7142115	21.43
175.0703199	21.44
154.4054945	21.45
157.7235069	21.45
161.5271173	21.46
166.0471971	21.45
159.5615734	21.44
165.3383346	21.44
167.3221929	21.44
191.884056	21.43
179.7400211	21.4
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144.6028841	21.33
190.0442754	21.28
141.3525134	21.24
148.6465969	21.19
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142.0271438	21.12
141.2801795	21.08
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164.8158999	21.05
150.437296	21.03
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170.0444603	21.04
194.7612235	21.03
145.4740121	21.03
157.451638	21.04
188.6095808	21.04
181.9742025	21.05
157.8499471	21.05
165.1468514	21.04
142.6604859	21.03
153.9768314	21.02
156.2417902	21.01
164.1537804	21
147.6953406	20.98
149.0856146	20.96
146.1859844	20.93

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0.19	229.2	189.2145397	21.68	0.264	212.8	159.540656
0.314	267.3	141.5541247	21.65	0.436	256.3	145.9889028
0.367	278.5	142.5268211	21.68	0.462	265.3	141.9522815
0.248	274.8	141.6027124	21.67	0.414	273.6	141.431807
0.213	282.6	144.2723744	21.64	0.335	280.9	143.4541915
0.304	304.3	169.2222095	21.65	0.453	303.2	167.137323
0.274	301	163.294883	21.67	0.428	309.8	181.5304128
0.175	302.6	166.0471971	21.68	0.32	306	172.6759748
0.191	295.2	155.008001	21.71	0.268	294.8	154.5246801
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0.198	307.9	176.8952147	21.77	0.274	305.9	172.4646859
0.142	311.3	185.5124012	21.79	0.262	311.7	186.6257896
0.201	312.3	188.3385084	21.8	0.316	309.7	181.2753983
0.288	308	177.1284437	21.81	0.392	307.4	175.7462142
0.283	311.1	184.9640411	21.81	0.413	307.8	176.6631365
0.277	312.4	188.6290418	21.81	0.401	308	177.1284437
0.247	312.8	189.8060036	21.8	0.362	305.2	171.014516
0.239	311.7	186.6257896	21.81	0.344	299.2	160.4525084
0.261	309.4	180.5179243	21.81	0.368	302.7	166.2266321
0.167	313.5	191.9241395	21.78	0.278	304.8	170.2080831
0.156	314.6	195.7142115	21.74	0.267	307.3	175.5198021
0.185	309	179.5253688	21.69	0.305	303.4	167.507983
0.118	320.9	176.811543	21.63	0.269	308.1	177.3628294
0.071	359.3	135.4983288	21.58	0.179	313.3	191.3112307
0.094	85.8	141.8363207	21.53	0.046	357.2	135.7284098
0.097	67.56	153.8656216	21.49	0.08	50.3	186.0662962
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0.121	96.7	142.0017483	21.37	0.099	88.1	141.4436643
0.138	96.8	142.0271438	21.33	0.092	83.5	142.4613373
0.105	91.4	141.2801795	21.29	0.042	81	143.4102756
0.078	109.8	149.3256382	21.26	0.05	112.5	151.9449052
0.093	111.6	151.0243214	21.23	0.061	117.3	157.7235069
0.158	130.1	182.3031224	21.23	0.149	130.6	183.6169505
0.107	139.8	179.7400211	21.25	0.154	124.3	169.2222095
0.138	138.3	184.0049395	21.26	0.182	126.7	174.1845669
0.131	111.2	150.6306288	21.28	0.151	103.5	144.7611164
0.141	115.8	155.7529709	21.31	0.174	105.7	146.1226545
0.113	137.5	186.4164902	21.33	0.18	123.8	168.2604307
0.415	137.9	185.1983516	21.36	0.265	129.8	181.5304128
0.249	149.5	158.684756	21.37	0.304	132	187.4756675
0.212	145.7	165.7545685	21.38	0.311	131.6	186.3453391
0.239	160.5	144.5088047	21.38	0.331	146.4	164.3504379
0.293	156.6	148.6120398	21.38	0.384	143.9	169.5961403
0.313	157.3	147.8077356	21.4	0.432	149.4	158.8542338
0.347	153.8	152.1495751	21.42	0.493	143.9	169.5961403
0.34	161.4	143.6871825	21.44	0.498	152.6	153.8318952
0.368	158	147.0339187	21.45	0.508	151.9	154.8621634
0.4	164	141.5589225	21.42	0.548	156.7	148.4952449

21.95	0.679	171.8	137.171973	150.1419291	No
21.94	0.592	172.7	136.8445673	143.1229609	No
21.92	0.539	176.9	135.7762441	141.0427886	No
21.89	0.356	206	149.5695304	162.0900594	No
21.85	0.444	254	147.6513318	143.0194176	No
21.88	0.477	262.1	142.9576428	144.7025376	No
21.88	0.411	273.5	141.4203824	141.5034489	No
21.89	0.421	281.9	143.9189973	143.9383204	No
21.94	0.569	305.1	170.8114111	165.8551911	No
22.02	0.541	313.6	192.2329492	158.1195028	No
22.1	0.501	305.1	170.8114111	156.9321064	No
22.15	0.399	295.5	155.3774631	149.7903739	No
22.16	0.28	297.4	157.8605159	183.0681503	Yes
22.16	0.322	298.4	159.2706591	179.2277885	Yes
22.15	0.314	299.5	160.9083592	178.7258021	Yes
22.13	0.367	300.6	162.6406568	172.5166496	No
22.11	0.433	300	161.6837847	169.5732156	No
22.1	0.462	299.2	160.4525084	176.2996407	Yes
22.08	0.432	298.3	159.1263255	177.291878	Yes
22.08	0.437	292	151.4274771	171.4301069	No
22.11	0.443	288.3	148.0494963	175.4077931	Yes
22.12	0.46	287.2	147.1911034	174.2885572	No
22.11	0.384	289.2	148.8003043	184.9551427	Yes
22.08	0.4	296.2	156.2631643	175.6132336	Yes
22.06	0.462	292.8	152.2626427	173.8520613	No
22.07	0.443	290.3	149.7788447	159.2617198	No
22.07	0.357	296.5	156.6530324	165.3910799	No
22.03	0.138	309.1	179.7716623	140.1829227	No
21.97	0.1	316	191.2154206	158.3055253	No
21.91	0.044	335.1	150.441715	142.0740276	No
21.85	0.068	69.62	151.612015	142.220708	No
21.78	0.048	359.1	135.5123672	142.283871	No
21.72	0.072	266.7	141.6552183	142.2817123	No
21.68	0.095	240.5	163.7942737	154.9476167	No
21.65	0.091	235.8	172.6759748	157.884756	No
21.64	0.095	185.8	135.9423289	179.3365766	Yes
21.62	0.087	182.3	135.4859439	167.4580594	No
21.61	0.135	156.3	148.9662571	175.9440691	Yes
21.6	0.095	143.5	170.4972397	146.4266037	No
21.6	0.107	134.2	194.1193848	153.0605013	No
21.61	0.142	147.5	162.2397397	169.7178943	No
21.64	0.206	137.2	187.3466876	175.2814342	Yes
21.65	0.286	121.9	164.8158999	159.9346951	No
21.66	0.268	127.7	176.4322033	165.2557555	No
21.67	0.353	143.9	169.5961403	146.7431639	No
21.69	0.381	163	142.3353263	153.0216777	No
21.75	0.485	168.1	138.8971847	152.272436	No
21.84	0.497	162.6	142.6604859	158.0213701	No
21.89	0.571	171.4	137.328883	145.4571681	No
21.96	0.651	165.2	140.6945686	147.7687546	No
21.98	0.688	167.8	139.0645196	143.6274436	No

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7/27/2019	22:34	20.55	0.178
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7/27/2019	22:37	20.53	0.152
7/27/2019	22:38	20.51	0.187
7/27/2019	22:39	20.5	0.154
7/27/2019	22:40	20.48	0.186
7/27/2019	22:41	20.47	0.203
7/27/2019	22:42	20.45	0.249
7/27/2019	22:43	20.44	0.22
7/27/2019	22:44	20.43	0.206
7/27/2019	22:45	20.41	0.202
7/27/2019	22:46	20.4	0.269
7/27/2019	22:47	20.39	0.271
7/27/2019	22:48	20.38	0.295
7/27/2019	22:49	20.38	0.297
7/27/2019	22:50	20.38	0.305
7/27/2019	22:51	20.39	0.287
7/27/2019	22:52	20.39	0.345
7/27/2019	22:53	20.4	0.327
7/27/2019	22:54	20.4	0.309
7/27/2019	22:55	20.41	0.354
7/27/2019	22:56	20.43	0.402
7/27/2019	22:57	20.47	0.387
7/27/2019	22:58	20.51	0.374
7/27/2019	22:59	20.55	0.372
7/27/2019	23:00	20.58	0.386
7/27/2019	23:01	20.61	0.377
7/27/2019	23:02	20.63	0.362
7/27/2019	23:03	20.65	0.254
7/27/2019	23:04	20.65	0.242
7/27/2019	23:05	20.66	0.33
7/27/2019	23:06	20.65	0.339
7/27/2019	23:07	20.63	0.328
7/27/2019	23:08	20.6	0.292
7/27/2019	23:09	20.57	0.31
7/27/2019	23:10	20.53	0.295
7/27/2019	23:11	20.49	0.263
7/27/2019	23:12	20.46	0.294
7/27/2019	23:13	20.42	0.284
7/27/2019	23:14	20.4	0.238
7/27/2019	23:15	20.38	0.263
7/27/2019	23:16	20.35	0.275
7/27/2019	23:17	20.33	0.237
7/27/2019	23:18	20.32	0.263
7/27/2019	23:19	20.3	0.288
7/27/2019	23:20	20.29	0.325
7/27/2019	23:21	20.27	0.233
7/27/2019	23:22	20.25	0.283
7/27/2019	23:23	20.24	0.277

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174.8	136.2167669	20.45
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157	148.1486618	20.43
175	136.1668004	20.42
180.1	135.458704	20.4
190.8	137.4928614	20.39
169.8	138.0276292	20.37
168.9	138.471433	20.35
171.1	137.4512019	20.34
184.4	135.6986053	20.34
181.3	135.4488008	20.32
200.5	143.7762629	20.32
207.2	151.0848301	20.32
187.2	136.2684311	20.33
186.7	136.1424529	20.34
170.9	137.5349652	20.36
180.4	135.4506575	20.36
170.9	137.5349652	20.36
179.4	135.4919297	20.36
170.4	137.7521729	20.37
180.3	135.452927	20.37
180.2	135.4556091	20.39
179.9	135.4661321	20.41
186.8	136.1668004	20.47
182.9	135.52806	20.53
177.4	135.6986053	20.59
176.5	135.8458714	20.62
172.5	136.9142707	20.64
175.6	136.0270567	20.66
170.6	137.6639493	20.66
166.4	139.9016992	20.65
151.6	155.3150699	20.65
146.2	164.7466785	20.63
138.8	182.5470487	20.6
134.1	193.8009328	20.57
132.7	189.5095215	20.53
140.6	177.5942369	20.49
137	187.9748679	20.45
143.6	170.2702897	20.41
144.4	168.49455	20.38
147.3	162.6150149	20.35
139.9	179.4670474	20.32
142.7	172.3538995	20.29
137.3	187.035022	20.27
135	194.6299891	20.25
133.1	190.7045403	20.23
138.8	182.5470487	20.22
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146.2	164.7466785	20.19
150	157.8499471	20.17

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0.347	152.4
0.324	151.6
0.29	166.2
0.314	167.6
0.269	175
0.268	166
0.346	166.3
0.41	166.7
0.349	175
0.321	176.4
0.359	182
0.381	190.2
0.387	181.6
0.436	174.9
0.429	172
0.443	167.6
0.408	168.5
0.433	169.9
0.485	164.4
0.441	169.8
0.562	165.8
0.634	169.5
0.585	173.6
0.599	169.9
0.631	174.1
0.483	171.2
0.498	166.1
0.495	166
0.442	160.9
0.368	159.7
0.424	146.9
0.427	143.2
0.401	140
0.394	139.2
0.401	136.9
0.364	136.8
0.369	143.8
0.38	143
0.326	152
0.362	146.4
0.304	143.2
0.323	144.2
0.293	136.8
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0.403	138.6
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0.406	146.6

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142.7430964	20.87
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138.6806025	20.7
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140.2893212	20.7
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136.5523328	20.8
137.9805921	20.87
136.4050401	20.93
137.4099861	20.96
140.0933217	20.98
140.1581671	21
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145.2773166	20.98
163.3767931	20.97
171.184873	20.93
179.1954466	20.86
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188.6095808	20.67
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171.6490075	20.57
154.712722	20.54
164.3504379	20.51
171.184873	20.48
168.9319213	20.45
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167.2080708	20.37
177.3320297	20.35
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0.353	165.4	140.557513	21.33	0.507	160.6	144.4152874
0.451	164.5	141.1899582	21.29	0.604	161.3	143.7762629
0.416	159.7	145.2773166	21.29	0.587	158.1	146.9258206
0.358	173.4	136.6142539	21.26	0.597	170.8	137.577514
0.395	175.3	136.0950271	21.23	0.56	172.5	136.9142707
0.343	179.5	135.4859439	21.19	0.532	172.8	136.810367
0.388	174.7	136.2423866	21.14	0.538	170	137.9340071
0.467	173.9	136.4626721	21.1	0.607	170.1	137.8878733
0.502	178.9	135.52806	21.08	0.736	172.7	136.8445673
0.435	181	135.4457063	21.06	0.599	174.5	136.2949008
0.446	180.6	135.4473567	21.02	0.628	174.8	136.2167669
0.429	188.9	136.7766005	21	0.649	179.9	135.4661321
0.446	192.4	138.2203136	21	0.679	182.9	135.52806
0.533	185.5	135.8831963	20.99	0.699	181.5	135.452927
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0.587	180.6	135.4473567	21.03	0.808	176.4	135.8643244
0.592	177.2	135.7284098	21.03	0.793	170.1	137.8878733
0.558	176.6	135.8278372	21.01	0.732	170.9	137.5349652
0.572	178.4	135.5745369	20.98	0.751	171.9	137.1338452
0.619	175.6	136.0270567	20.96	0.782	169.2	138.3193881
0.595	178	135.6191797	20.95	0.787	169.7	138.0751192
0.667	174.4	136.3217962	20.95	0.913	170.2	137.8421902
0.737	177.1	135.7439374	20.98	0.977	173.2	136.6778973
0.759	179.7	135.475212	21.06	1.004	174.3	136.3491176
0.744	178.7	135.5454083	21.13	0.951	174.4	136.3217962
0.703	181.5	135.452927	21.19	0.956	177.1	135.7439374
0.689	179.4	135.4919297	21.22	0.842	173.8	136.4921301
0.733	174.9	136.1915717	21.24	0.925	171.5	137.2889944
0.679	175.8	135.9838512	21.26	0.852	169.6	138.1230627
0.572	173.2	136.6778973	21.25	0.756	167.7	139.1212357
0.539	166.8	139.6529623	21.23	0.652	162.1	143.0788632
0.569	157.7	147.3618674	21.21	0.704	153.6	152.4227699
0.536	152.7	153.6876994	21.15	0.696	148	161.3176459
0.48	147.3	162.6150149	21.06	0.682	144.7	167.8465446
0.49	148.6	160.24088	20.98	0.622	145.9	165.3484246
0.47	147.5	162.2397397	20.9	0.639	144.3	168.7126952
0.48	148.6	160.24088	20.83	0.64	146.4	164.3504379
0.446	154.4	151.3468538	20.78	0.617	150	157.8499471
0.463	151.2	155.9297559	20.74	0.643	148.4	160.5962459
0.473	159.1	145.8778326	20.71	0.641	156.4	148.8475437
0.428	155.1	150.441715	20.69	0.623	149.7	158.3483275
0.416	149.5	158.684756	20.66	0.54	143.8	169.8197457
0.451	150.8	156.5569873	20.63	0.568	143.7	170.0444603
0.342	144.8	167.6326681	20.6	0.529	140.2	178.6563324
0.392	147.4	162.4269132	20.58	0.553	142.2	173.55231
0.431	143.4	170.7253164	20.57	0.598	139.8	179.7400211
0.488	147.4	162.4269132	20.58	0.682	143.4	170.7253164
0.398	151.9	154.8621634	20.58	0.572	144.5	168.2774801
0.471	149.1	159.3677662	20.55	0.679	144.1	169.1522337
0.487	155.6	149.8154124	20.54	0.708	147.8	161.6837458

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21.92	0.735	169.4	138.2203136	140.9831659	No
21.89	0.75	174.4	136.3217962	145.1997018	No
21.86	0.773	170.5	137.7078372	148.9167172	No
21.8	0.857	183.6	135.5960285	137.5968827	No
21.76	0.723	183.2	135.5547035	136.911606	No
21.68	0.666	181.4	135.4506575	136.4889932	No
21.59	0.672	180.5	135.4488008	138.0905475	No
21.51	0.74	180.6	135.4473567	138.1967668	No
21.46	0.863	184.4	135.6986053	137.3845636	No
21.43	0.729	182.9	135.52806	135.9015032	No
21.37	0.781	183	135.5365272	135.7443122	No
21.33	0.802	186	135.9838512	137.8723653	No
21.31	0.84	191.2	137.6639493	140.5206877	No
21.32	0.978	191.8	137.9340071	135.7650409	No
21.35	0.952	190.7	137.4512019	135.9165054	No
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21.36	0.978	180.6	135.4473567	137.0613407	No
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21.26	0.902	180.6	135.4473567	136.545226	No
21.22	0.99	178.8	135.5365272	138.3403387	No
21.2	1.039	178.1	135.6073966	136.7937138	No
21.2	1.115	178.5	135.564413	137.4772292	No
21.23	1.3	182	135.4704656	136.5148569	No
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21.39	1.278	182.5	135.4983288	136.3439642	No
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21.46	1.226	181.8	135.4622116	137.6220396	No
21.5	1.149	180.4	135.4506575	137.5730344	No
21.49	0.937	177.5	135.6843278	139.4002932	No
21.46	0.915	172.5	136.9142707	141.9777103	No
21.43	0.918	166.7	139.7144254	154.6191251	No
21.36	0.865	161	144.0468045	162.7342242	No
21.27	0.881	158.9	146.0826775	173.0510137	No
21.19	0.811	158.7	146.2898835	175.1993453	Yes
21.11	0.825	157.4	147.6953406	177.1883398	Yes
21.04	0.825	159.1	145.8778326	172.6987839	No
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20.89	0.79	157	148.1486618	169.7891055	No
20.87	0.818	156	149.3262707	166.9718171	No
20.84	0.774	151.9	154.8621634	180.4834008	Yes
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7/27/2019	23:32	20.24	0.407
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7/27/2019	23:35	20.24	0.356
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7/27/2019	23:37	20.23	0.37
7/27/2019	23:38	20.24	0.422
7/27/2019	23:39	20.24	0.429
7/27/2019	23:40	20.25	0.482
7/27/2019	23:41	20.25	0.419
7/27/2019	23:42	20.25	0.403
7/27/2019	23:43	20.25	0.37
7/27/2019	23:44	20.24	0.388
7/27/2019	23:45	20.24	0.436
7/27/2019	23:46	20.23	0.46
7/27/2019	23:47	20.23	0.365
7/27/2019	23:48	20.23	0.377
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7/27/2019	23:50	20.22	0.419
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7/27/2019	23:56	20.19	0.315
7/27/2019	23:57	20.18	0.293
7/27/2019	23:58	20.16	0.3
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7/28/2019	0:11	20.16	0.375
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146.4	164.3504379	20.04
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164	141.5589225	20.07
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0.536	144.1
0.469	144
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0.502	148.9
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0.705	169.6	138.1230627	20.56	0.932	163.8	141.7100752
0.713	167.3	139.3528135	20.54	0.977	162.2	142.9941199
0.811	164.6	141.1176841	20.52	0.945	158.7	146.2898835
0.747	167.8	139.0645196	20.5	0.917	163.3	142.096964
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0.699	166.5	139.8387928	20.48	0.932	161.9	143.249962
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0.497	176.7	135.8102214	20.43	0.612	172.4	136.949775
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0.475	168.8	138.5230334	20.38	0.622	162.6	142.6604859
0.537	166.8	139.6529623	20.37	0.59	159.1	145.8778326
0.478	167.3	139.3528135	20.36	0.741	159.8	145.1792559
0.689	159.1	145.8778326	20.37	0.815	150.9	156.3989918
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0.882	171.1	137.4512019	20.45	1.066	163.4	142.0185516
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0.551	186	135.9838512	20.46	0.683	178.8	135.5365272
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20.82	1.035	156.5	148.729472	162.4119334	No
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20.51	1.128	157.4	147.6953406	158.1519249	No
20.52	0.995	164.7	141.0459134	145.2287124	No
20.54	0.948	169.3	138.2696225	141.529737	No
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7/28/2019	0:59	19.8	0.358
7/28/2019	1:00	19.78	0.301
7/28/2019	1:01	19.78	0.344
7/28/2019	1:02	19.78	0.396
7/28/2019	1:03	19.78	0.383
7/28/2019	1:04	19.78	0.344
7/28/2019	1:05	19.77	0.379

177.6	135.6704665	20.07
179.4	135.4919297	20.07
179.8	135.4704656	20.06
167	139.5314724	20.06
156.8	148.379085	20.06
149.1	159.3677662	20.06
144.9	167.4198452	20.07
137.2	187.3466876	20.09
131.1	184.9640411	20.1
127.2	175.2945059	20.1
129.6	181.0216499	20.1
125.5	171.6298847	20.09
132.8	189.8060036	20.08
139.9	179.4670474	20.07
154.3	151.4788997	20.06
163.1	142.25535	20.05
161.1	143.9560723	20.05
170.1	137.8878733	20.04
177.4	135.6986053	20.03
192.1	138.0751192	20.02
175	136.1668004	20.01
180.8	135.4457063	19.99
186.3	136.0492916	19.97
175.6	136.0270567	19.95
171.8	137.171973	19.94
164.3	141.3360215	19.93
166.2	140.0289626	19.92
179	135.5200067	19.91
173.9	136.4626721	19.91
165.9	140.2234999	19.89
163.5	141.9406579	19.89
164.2	141.4098131	19.88
162.8	142.4968525	19.86
171.4	137.328883	19.85
174.8	136.2167669	19.83
174.1	136.4050401	19.81
180	135.4622116	19.79
172.8	136.810367	19.77
180.7	135.4463252	19.75
166.3	139.9650888	19.73
165.2	140.6945686	19.72
177.8	135.6439919	19.71
172.8	136.810367	19.71
173.6	136.5523328	19.7
169.9	137.9805921	19.7
169.5	138.1714606	19.69
175.8	135.9838512	19.68
164.1	141.484113	19.68
163.3	142.096964	19.69
166	140.1581671	19.69
172.1	137.0589052	19.68

0.489	176.4
0.448	168.9
0.417	163.9
0.524	162.6
0.436	160.3
0.432	152.1
0.433	140.6
0.372	138.9
0.362	139
0.383	129.5
0.385	130.4
0.457	131.2
0.462	133.7
0.501	142.6
0.526	146.3
0.381	149.9
0.368	159.8
0.372	160.8
0.399	164.2
0.344	177
0.357	173.4
0.33	169.1
0.297	164.1
0.355	163.4
0.363	158.6
0.362	156.6
0.379	160.6
0.308	165.3
0.331	164.6
0.322	158.5
0.356	157.1
0.416	152.9
0.387	161.8
0.351	161.3
0.353	162.3
0.36	168.4
0.362	169.7
0.374	167.2
0.476	165.3
0.514	160.4
0.549	162.1
0.527	159.7
0.476	161.3
0.458	164.3
0.485	159.7
0.453	158.2
0.517	160.8
0.564	157.3
0.565	157.6
0.502	158.7
0.501	166.4

135.8643244	20.26
138.471433	20.25
141.6342428	20.25
142.6604859	20.26
144.6975271	20.27
154.5640391	20.28
177.5942369	20.31
182.2598979	20.32
181.9742025	20.32
180.7691609	20.3
183.0874794	20.29
185.2375331	20.26
192.5433417	20.23
172.5912057	20.22
164.548069	20.21
158.0152438	20.21
145.1792559	20.22
144.2299319	20.22
141.4098131	20.22
135.759882	20.21
136.6142539	20.19
138.3696112	20.18
141.484113	20.17
142.0185516	20.16
146.3943767	20.15
148.6120398	20.16
144.4152874	20.16
140.6257933	20.15
141.1176841	20.14
146.4994658	20.14
148.034394	20.13
153.4015168	20.12
143.3363204	20.1
143.7762629	20.08
142.9099119	20.06
138.734051	20.04
138.0751192	20.01
139.411891	19.99
140.6257933	19.97
144.6028841	19.95
143.0788632	19.94
145.2773166	19.93
143.7762629	19.93
141.3360215	19.92
145.2773166	19.91
146.8183282	19.9
144.2299319	19.9
147.8077356	19.91
147.4724086	19.91
146.2898835	19.91
139.9016992	19.91

0.522	181.1	135.4463252	20.39	0.783	174.7	136.2423866
0.605	175.7	136.0052434	20.38	0.77	168.4	138.734051
0.656	173	136.743267	20.38	0.729	169.5	138.1714606
0.548	170.6	137.6639493	20.4	0.769	165.4	140.557513
0.421	165.9	140.2234999	20.42	0.635	161.3	143.7762629
0.477	162.5	142.7430964	20.44	0.679	153.7	152.2858181
0.547	152	154.712722	20.47	0.683	147.2	162.8040494
0.466	149	159.540656	20.49	0.611	145.3	166.5789856
0.467	146.2	164.7466785	20.48	0.581	140.6	177.5942369
0.441	139.8	179.7400211	20.47	0.63	135.6	192.5597384
0.5	139.5	180.5672593	20.45	0.646	132.8	189.8060036
0.564	140	179.1954466	20.41	0.773	133	190.403504
0.541	143.8	169.8197457	20.38	0.757	135	194.6299891
0.572	149.5	158.684756	20.36	0.783	143.4	170.7253164
0.631	158.9	146.0826775	20.36	0.766	150.9	156.3989918
0.575	161.1	143.9560723	20.36	0.613	153	153.2595242
0.475	162.7	142.5784051	20.37	0.618	158.9	146.0826775
0.6	170.9	137.5349652	20.37	0.676	163.5	141.9406579
0.495	171.3	137.3692134	20.37	0.64	166.4	139.9016992
0.407	181.6	135.4556091	20.36	0.572	173.3	136.6458601
0.37	178.6	135.5547035	20.34	0.591	166.8	139.6529623
0.438	175.5	136.0492916	20.33	0.537	165.6	140.4224336
0.445	174.5	136.2949008	20.32	0.492	168.3	138.7879636
0.512	169.4	138.2203136	20.32	0.587	161	144.0468045
0.488	167	139.5314724	20.31	0.609	159.6	145.3759529
0.518	165.9	140.2234999	20.32	0.601	159	145.9799608
0.447	168.7	138.5750946	20.33	0.594	162.1	143.0788632
0.428	174.8	136.2167669	20.33	0.543	164.1	141.484113
0.395	170.3	137.796957	20.32	0.546	164.4	141.262737
0.443	167.7	139.1212357	20.31	0.578	160.2	144.7927354
0.508	166.2	140.0289626	20.31	0.619	163.3	142.096964
0.501	161.5	143.5986496	20.3	0.673	156.7	148.4952449
0.504	168.1	138.8971847	20.28	0.637	163.1	142.25535
0.448	169.2	138.3193881	20.26	0.6	160.7	144.3223303
0.486	168	138.952495	20.24	0.601	162	143.1641434
0.508	173	136.743267	20.21	0.643	167.1	139.4714437
0.463	178.3	135.5850754	20.18	0.621	169.3	138.2696225
0.511	173.7	136.5220169	20.16	0.672	166.6	139.7763685
0.654	173	136.743267	20.14	0.784	165.4	140.557513
0.613	170.8	137.577514	20.12	0.869	163.3	142.096964
0.666	170.4	137.7521729	20.11	0.866	164.9	140.9038772
0.631	171.3	137.3692134	20.09	0.797	162.6	142.6604859
0.657	169.4	138.2203136	20.09	0.79	161.9	143.249962
0.651	172.9	136.7766005	20.08	0.788	164.7	141.0459134
0.655	170.7	137.6205085	20.07	0.764	164.4	141.262737
0.571	169.4	138.2203136	20.06	0.79	162.1	143.0788632
0.592	167.1	139.4714437	20.06	0.818	163.3	142.096964
0.695	166.1	140.0933217	20.06	0.882	159.4	145.5749597
0.635	168.3	138.7879636	20.07	0.909	160.2	144.7927354
0.651	166.9	139.5919783	20.07	0.828	162.6	142.6604859
0.616	174.3	136.3491176	20.06	0.858	165.5	140.4897269

20.48	0.9	181.8	135.4622116	135.8058757	No
20.48	0.944	175.8	135.9838512	137.1756643	No
20.48	0.941	175.2	136.1185285	138.004859	No
20.51	0.861	175.7	136.0052434	140.1033552	No
20.54	0.75	171.4	137.328883	144.2690937	No
20.56	0.758	163.9	141.6342428	152.24018	No
20.59	0.829	157.1	148.034394	165.6327134	No
20.61	0.74	154.7	150.9548471	173.9315568	No
20.6	0.754	152.4	154.1225109	177.3197897	Yes
20.59	0.764	146.5	164.1537804	182.0908566	Yes
20.56	0.861	142.4	173.0693692	183.620598	Yes
20.52	0.954	142.4	173.0693692	181.6165921	Yes
20.5	0.957	146.5	164.1537804	186.69977	Yes
20.48	0.962	152.8	153.5442409	170.3670814	No
20.47	1.009	156	149.3262707	154.6271595	No
20.48	0.889	160	144.9848547	149.3715476	No
20.5	0.818	164.8	140.9746448	144.4491027	No
20.51	0.871	169.2	138.3193881	140.3983571	No
20.51	0.739	173.6	136.5523328	138.5948327	No
20.49	0.7	175.5	136.0492916	136.4841176	No
20.47	0.69	175.6	136.0270567	136.99718	No
20.46	0.688	172.5	136.9142707	137.5717607	No
20.45	0.72	174	136.4336422	138.1540673	No
20.45	0.798	169.6	138.1230627	140.0781816	No
20.45	0.817	168.4	138.734051	142.1184437	No
20.47	0.83	166.9	139.5919783	144.0378805	No
20.49	0.754	171	137.4928614	141.5245519	No
20.48	0.677	173	136.743267	138.46167	No
20.48	0.708	172.2	137.0220917	139.1600125	No
20.47	0.752	169.1	138.3696112	142.6592342	No
20.47	0.814	168.7	138.5750946	143.0252446	No
20.46	0.817	167.4	139.2942101	146.7263061	No
20.44	0.821	172.8	136.810367	141.7464269	No
20.42	0.782	171.5	137.2889944	140.9367161	No
20.39	0.826	171.8	137.171973	140.3108293	No
20.36	0.803	174.5	136.2949008	137.8384504	No
20.33	0.797	177	135.759882	136.8480072	No
20.3	0.838	175.6	136.0270567	138.1301609	No
20.28	0.952	174.2	136.3768654	138.3432246	No
20.26	1.023	173.4	136.6142539	141.0606127	No
20.25	1.061	173.8	136.4921301	140.6073705	No
20.24	1.005	170.9	137.5349652	140.2377519	No
20.23	1.002	170.9	137.5349652	140.5142264	No
20.21	0.944	174.2	136.3768654	138.927717	No
20.19	0.974	174.3	136.3491176	140.5352885	No
20.18	1.001	172.6	136.8792016	141.5722414	No
20.18	0.97	171.4	137.328883	140.4455477	No
20.19	1.047	170.3	137.796957	143.7400325	No
20.2	0.998	171.3	137.3692134	143.2875179	No
20.19	1.073	171.2	137.4099861	142.1751287	No
20.19	0.972	175.1	136.1424529	138.4498622	No

7/28/2019	1:06	19.77	0.342
7/28/2019	1:07	19.76	0.364
7/28/2019	1:08	19.76	0.357
7/28/2019	1:09	19.76	0.374
7/28/2019	1:10	19.77	0.413
7/28/2019	1:11	19.78	0.466
7/28/2019	1:12	19.8	0.441
7/28/2019	1:13	19.81	0.439
7/28/2019	1:14	19.82	0.343
7/28/2019	1:15	19.83	0.337
7/28/2019	1:16	19.84	0.398
7/28/2019	1:17	19.85	0.346
7/28/2019	1:18	19.86	0.451
7/28/2019	1:19	19.88	0.34
7/28/2019	1:20	19.9	0.474
7/28/2019	1:21	19.92	0.542
7/28/2019	1:22	19.94	0.432
7/28/2019	1:23	19.95	0.407
7/28/2019	1:24	19.96	0.449
7/28/2019	1:25	19.97	0.445
7/28/2019	1:26	19.98	0.497
7/28/2019	1:27	20	0.474
7/28/2019	1:28	20.01	0.37
7/28/2019	1:29	20.02	0.461
7/28/2019	1:30	20.03	0.485
7/28/2019	1:31	20.03	0.467
7/28/2019	1:32	20.03	0.422
7/28/2019	1:33	20.04	0.542
7/28/2019	1:34	20.05	0.517
7/28/2019	1:35	20.06	0.5
7/28/2019	1:36	20.06	0.491
7/28/2019	1:37	20.07	0.621
7/28/2019	1:38	20.09	0.556
7/28/2019	1:39	20.1	0.512
7/28/2019	1:40	20.09	0.525
7/28/2019	1:41	20.08	0.518
7/28/2019	1:42	20.07	0.428
7/28/2019	1:43	20.05	0.348
7/28/2019	1:44	20.02	0.437
7/28/2019	1:45	19.99	0.413
7/28/2019	1:46	19.96	0.296
7/28/2019	1:47	19.92	0.308
7/28/2019	1:48	19.88	0.339
7/28/2019	1:49	19.85	0.503
7/28/2019	1:50	19.83	0.491
7/28/2019	1:51	19.82	0.453
7/28/2019	1:52	19.8	0.417
7/28/2019	1:53	19.78	0.382
7/28/2019	1:54	19.77	0.341
7/28/2019	1:55	19.75	0.39
7/28/2019	1:56	19.74	0.375

180.1	135.458704	19.68
177	135.759882	19.68
174.6	136.2684311	19.68
180	135.4622116	19.68
182.8	135.5200067	19.7
179.9	135.4661321	19.73
174.5	136.2949008	19.75
183.3	135.564413	19.77
181.2	135.4473567	19.79
191.3	137.7078372	19.81
184.8	135.759882	19.83
186.2	136.0270567	19.85
197.4	141.262737	19.87
184.4	135.6986053	19.89
185.6	135.9024875	19.92
191	137.577514	19.96
198	141.7100752	19.99
190.5	137.3692134	19.99
185.5	135.8831963	20
185.8	135.9423289	20.01
179.1	135.5123672	20.02
190.3	137.2889944	20.04
187.5	136.3491176	20.07
185.5	135.8831963	20.08
186	135.9838512	20.08
194.5	139.3528135	20.08
188.6	136.6778973	20.08
187	136.2167669	20.09
178	135.6191797	20.11
178.7	135.5454083	20.11
172.6	136.8792016	20.1
180.7	135.4463252	20.11
179.9	135.4661321	20.13
166.8	139.6529623	20.13
176.9	135.7762441	20.11
169.6	138.1230627	20.08
172.3	136.9857152	20.06
180.3	135.452927	20.03
166.3	139.9650888	19.99
174.6	136.2684311	19.95
183.7	135.6073966	19.91
185.9	135.9628798	19.87
173.1	136.7103661	19.83
169.1	138.3696112	19.79
176.2	135.9024875	19.78
175.4	136.0719483	19.77
180.6	135.4473567	19.76
190.8	137.4928614	19.75
188.9	136.7766005	19.74
192.2	138.1230627	19.73
191.6	137.8421902	19.73

0.523	169.3
0.482	169
0.456	164.7
0.528	172.1
0.6	168.7
0.602	169.2
0.649	176.3
0.559	173.1
0.579	175.8
0.668	177.2
0.552	174.7
0.598	178.8
0.626	178.2
0.708	178.1
0.734	179.3
0.753	180.9
0.568	179.4
0.576	175.4
0.658	176.6
0.671	178
0.598	179.3
0.711	178.6
0.695	176.7
0.751	176
0.613	174.1
0.638	177.9
0.736	171.4
0.784	175.5
0.755	173.7
0.737	173
0.695	169.2
0.807	171.9
0.804	169.9
0.701	163.6
0.628	166.2
0.593	164.3
0.613	160.8
0.574	165.4
0.576	156.6
0.431	159.4
0.517	174.5
0.437	173.3
0.575	164.6
0.648	162.8
0.751	166.8
0.722	172.1
0.657	167
0.642	181.1
0.644	175.9
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0.642	176.1

138.2696225	19.9
138.4202926	19.9
141.0459134	19.9
137.0589052	19.91
138.5750946	19.94
138.3193881	19.97
135.8831963	19.99
136.7103661	20.01
135.9838512	20.03
135.7284098	20.05
136.2423866	20.07
135.5365272	20.09
135.5960285	20.11
135.6073966	20.14
135.4983288	20.17
135.4455	20.21
135.4919297	20.24
136.0719483	20.24
135.8278372	20.25
135.6191797	20.25
135.4983288	20.27
135.5547035	20.3
135.8102214	20.32
135.9423289	20.33
136.4050401	20.32
135.6313781	20.32
137.328883	20.32
136.0492916	20.33
136.5220169	20.35
136.743267	20.36
138.3193881	20.35
137.1338452	20.36
137.9805921	20.37
141.8632814	20.37
140.0289626	20.34
141.3360215	20.3
144.2299319	20.28
140.557513	20.24
148.6120398	20.2
145.5749597	20.15
136.2949008	20.1
136.6458601	20.05
141.1176841	20.01
142.4968525	19.98
139.6529623	19.98
137.0589052	19.98
139.5314724	19.97
135.4463252	19.96
135.9628798	19.95
135.6073966	19.94
135.9221983	19.94

0.61	174.5	136.2949008	20.06	0.823	169.8	138.0276292
0.646	176.8	135.7930238	20.06	0.831	171.1	137.4512019
0.611	174.2	136.3768654	20.06	0.744	168.8	138.5230334
0.66	179.7	135.475212	20.08	0.885	174	136.4336422
0.725	175.9	135.9628798	20.12	0.987	171.9	137.1338452
0.766	175	136.1668004	20.16	0.976	168.5	138.6806025
0.703	178.5	135.564413	20.19	0.979	174.7	136.2423866
0.736	180.1	135.458704	20.21	0.932	174.3	136.3491176
0.646	183.7	135.6073966	20.23	0.906	175.2	136.1185285
0.676	184.7	135.7439374	20.25	0.995	178	135.6191797
0.74	180.2	135.4556091	20.27	0.927	174.4	136.3217962
0.707	183.7	135.6073966	20.29	0.958	176.8	135.7930238
0.874	183.1	135.5454083	20.32	1.046	177.8	135.6439919
0.758	184.7	135.7439374	20.35	1.123	178.9	135.52806
0.776	183.1	135.5454083	20.37	1.12	176.3	135.8831963
0.856	186.2	136.0270567	20.42	1.194	179.9	135.4661321
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19.95	1.146	184.1	135.6570213	136.6020439	No
19.95	1.09	181.9	135.4661321	136.8445087	No
19.93	1.129	173.9	136.4626721	139.9962187	No
19.91	1.089	175.1	136.1424529	140.3740764	No
19.89	0.979	179	135.5200067	135.9856752	No
19.85	0.99	176.7	135.8102214	137.1176383	No
19.83	1.015	174.9	136.1915717	137.4441147	No

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7/28/2019	2:50	19.25	0.28
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7/28/2019	2:52	19.21	0.361
7/28/2019	2:53	19.19	0.306
7/28/2019	2:54	19.17	0.243
7/28/2019	2:55	19.14	0.258
7/28/2019	2:56	19.12	0.225
7/28/2019	2:57	19.09	0.288
7/28/2019	2:58	19.07	0.26
7/28/2019	2:59	19.05	0.243
7/28/2019	3:00	19.02	0.234
7/28/2019	3:01	19	0.265
7/28/2019	3:02	18.98	0.18
7/28/2019	3:03	18.95	0.248
7/28/2019	3:04	18.93	0.186
7/28/2019	3:05	18.9	0.222
7/28/2019	3:06	18.88	0.204
7/28/2019	3:07	18.86	0.221
7/28/2019	3:08	18.84	0.231
7/28/2019	3:09	18.81	0.147
7/28/2019	3:10	18.78	0.152
7/28/2019	3:11	18.75	0.168
7/28/2019	3:12	18.72	0.225
7/28/2019	3:13	18.69	0.178
7/28/2019	3:14	18.65	0.229
7/28/2019	3:15	18.62	0.2
7/28/2019	3:16	18.59	0.268
7/28/2019	3:17	18.56	0.204
7/28/2019	3:18	18.52	0.215
7/28/2019	3:19	18.5	0.196
7/28/2019	3:20	18.47	0.185
7/28/2019	3:21	18.44	0.212
7/28/2019	3:22	18.42	0.204
7/28/2019	3:23	18.4	0.188
7/28/2019	3:24	18.38	0.196
7/28/2019	3:25	18.36	0.26
7/28/2019	3:26	18.35	0.254
7/28/2019	3:27	18.33	0.242
7/28/2019	3:28	18.32	0.263
7/28/2019	3:29	18.31	0.23
7/28/2019	3:30	18.3	0.218
7/28/2019	3:31	18.29	0.185
7/28/2019	3:32	18.28	0.217
7/28/2019	3:33	18.28	0.231
7/28/2019	3:34	18.29	0.273
7/28/2019	3:35	18.3	0.294
7/28/2019	3:36	18.31	0.331
7/28/2019	3:37	18.33	0.305
7/28/2019	3:38	18.35	0.281

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178.4	135.5745369	19.22
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167.4	139.2942101	19.14
169.2	138.3193881	19.12
173.3	136.6458601	19.09
170.9	137.5349652	19.06
166.3	139.9650888	19.03
164.2	141.4098131	19
168.5	138.6806025	18.97
177.1	135.7439374	18.95
175.4	136.0719483	18.92
173	136.743267	18.89
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163	142.3353263	18.78
157	148.1486618	18.76
163.4	142.0185516	18.74
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159.5	145.4751667	18.69
153.3	152.8379067	18.67
148.1	161.1359522	18.64
155.6	149.8154124	18.62
160.3	144.6975271	18.59
152.8	153.5442409	18.56
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156.5	148.729472	18.5
161.8	143.3363204	18.47
163.3	142.096964	18.44
162.7	142.5784051	18.41
162.2	142.9941199	18.38
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157.9	147.1426245	18.32
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162.4	142.8262379	18.23
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0.436	158.2
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0.332	144.1
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0.341	159.7
0.321	159.1
0.398	155.5
0.432	152
0.416	157.2
0.403	158.6
0.438	156.5
0.47	155
0.455	154.4
0.427	156.8
0.363	157.8
0.453	159.1
0.431	156.6
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0.556	154.5

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144.6028841	19.28
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143.9560723	19.13
142.0185516	19.1
143.4232201	19.07
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166.3713526	18.94
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179.1954466	18.84
169.1522337	18.8
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162.994021	18.69
155.1633342	18.66
150.0639356	18.63
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145.8778326	18.57
149.9393426	18.54
154.712722	18.53
147.9207527	18.51
146.3943767	18.49
148.729472	18.47
150.5689831	18.45
151.3468538	18.43
148.379085	18.42
147.2519401	18.41
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151.2154981	18.39
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0.756	172.2	137.0220917	19.57	0.923	165.1	140.7638403
0.71	171	137.4928614	19.55	0.895	162.9	142.4158267
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0.557	168	138.952495	19.49	0.722	163.5	141.9406579
0.561	169.7	138.0751192	19.45	0.74	165.1	140.7638403
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0.58	167.5	139.23608	19.38	0.792	162.9	142.4158267
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0.505	173.4	136.6142539	19.33	0.71	166.8	139.6529623
0.509	170.3	137.796957	19.3	0.618	164	141.5589225
0.462	172	137.0961561	19.28	0.629	165.1	140.7638403
0.496	172.6	136.8792016	19.25	0.659	167.1	139.4714437
0.476	170.5	137.7078372	19.23	0.643	163.2	142.1758963
0.523	164.4	141.262737	19.22	0.748	160.6	144.4152874
0.549	163	142.3353263	19.21	0.718	159	145.9799608
0.528	163	142.3353263	19.19	0.745	159.4	145.5749597
0.526	157.8	147.2519401	19.16	0.734	155.7	149.6921424
0.405	158.7	146.2898835	19.13	0.591	156.9	148.2635581
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0.485	153.1	153.1182603	18.99	0.599	153.6	152.4227699
0.593	152.7	153.6876994	18.94	0.688	154.5	151.2154981
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0.611	155.6	149.8154124	18.87	0.708	155.8	149.5695304
0.532	156	149.3262707	18.84	0.706	156.8	148.379085
0.563	160.4	144.6028841	18.81	0.679	158.7	146.2898835
0.51	161.3	143.7762629	18.77	0.634	160	144.9848547
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0.565	158.5	146.4994658	18.72	0.747	159.9	145.0817692
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0.6	162.7	142.5784051	18.7	0.734	161.8	143.3363204
0.574	164.1	141.484113	18.68	0.73	162.4	142.8262379
0.631	162	143.1641434	18.66	0.764	161.5	143.5986496
0.659	157.5	147.5835656	18.64	0.771	159	145.9799608
0.658	156.7	148.4952449	18.61	0.763	157.5	147.5835656
0.668	161	144.0468045	18.59	0.747	160.5	144.5088047
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0.584	163.1	142.25535	18.58	0.733	161.6	143.5106627
0.546	161.1	143.9560723	18.56	0.743	161.2	143.8658923
0.607	160.1	144.8885107	18.56	0.678	160.6	144.4152874
0.581	161.4	143.6871825	18.56	0.768	158.8	146.1859844
0.635	161.3	143.7762629	18.58	0.821	158.5	146.4994658
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0.754	159.3	145.6753339	18.64	0.879	155.1	150.441715
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19.79	0.964	179.4	135.4919297	136.5611683	No
19.76	1.093	177.2	135.7284098	137.3232429	No
19.74	1.084	176.1	135.9221983	138.3822237	No
19.72	1.074	174.8	136.2167669	139.5966736	No
19.7	1.081	173.4	136.6142539	140.8813071	No
19.68	0.982	172.6	136.8792016	140.8869662	No
19.64	0.934	172.7	136.8445673	140.8542114	No
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19.57	0.907	169.7	138.0751192	143.8136363	No
19.55	0.947	168.1	138.8971847	146.3800908	No
19.53	0.957	168.8	138.5230334	141.7877093	No
19.51	0.909	170.9	137.5349652	140.7290063	No
19.48	0.846	177	135.759882	137.9980317	No
19.46	0.834	172.6	136.8792016	140.0138047	No
19.43	0.796	173.5	136.5830783	138.8632712	No
19.42	0.824	173.5	136.5830783	139.0376827	No
19.4	0.869	173.7	136.5220169	140.5613913	No
19.4	0.852	169.4	138.2203136	144.5821175	No
19.38	0.9	168.4	138.734051	148.0597163	No
19.36	0.849	169	138.4202926	145.286084	No
19.35	0.894	163.2	142.1758963	151.7754566	No
19.3	0.727	158.3	146.7114396	151.5999902	No
19.25	0.685	156.7	148.4952449	159.1700691	No
19.21	0.829	151.5	155.4675767	171.2651041	No
19.17	0.814	154.8	150.8255466	161.7649942	No
19.13	0.796	157.4	147.6953406	154.8476977	No
19.08	0.867	158.7	146.2898835	157.2361695	No
19.05	0.884	159.4	145.5749597	153.9021618	No
19.02	0.92	161.3	143.7762629	152.7771089	No
18.99	0.903	160.1	144.8885107	149.0512526	No
18.96	0.891	162.2	142.9941199	145.7634168	No
18.93	0.894	163.5	141.9406579	144.1542098	No
18.91	0.882	164.5	141.1899582	143.998042	No
18.91	0.951	165.2	140.6945686	146.2798068	No
18.91	1.012	164	141.5589225	148.3016493	No
18.91	0.972	165.8	140.2893212	144.7050832	No
18.88	0.957	166	140.1581671	142.867142	No
18.86	1.009	165.7	140.355632	144.6005442	No
18.83	1.048	163.7	141.786421	146.9996005	No
18.8	1.045	161.9	143.249962	147.5629755	No
18.78	0.932	165.6	140.4224336	145.0677537	No
18.76	0.967	163.8	141.7100752	144.9270585	No
18.75	0.948	165.6	140.4224336	143.1193637	No
18.73	0.875	166.6	139.7763685	143.8327973	No
18.72	0.904	165.2	140.6945686	143.7506162	No
18.73	0.91	161.5	143.5986496	145.3280412	No
18.74	0.971	162	143.1641434	144.64286	No
18.75	1.022	158.9	146.0826775	149.2858141	No
18.77	1.04	161.4	143.6871825	143.9909941	No
18.78	1.071	159.5	145.4751667	147.8415142	No
18.8	0.998	162.2	142.9941199	145.8058412	No

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7/28/2019	3:40	18.39	0.398
7/28/2019	3:41	18.42	0.404
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7/28/2019	3:45	18.51	0.387
7/28/2019	3:46	18.52	0.347
7/28/2019	3:47	18.53	0.444
7/28/2019	3:48	18.54	0.494
7/28/2019	3:49	18.56	0.373
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7/28/2019	3:51	18.58	0.488
7/28/2019	3:52	18.58	0.43
7/28/2019	3:53	18.58	0.398
7/28/2019	3:54	18.57	0.438
7/28/2019	3:55	18.57	0.398
7/28/2019	3:56	18.57	0.419
7/28/2019	3:57	18.56	0.321
7/28/2019	3:58	18.56	0.379
7/28/2019	3:59	18.55	0.377
7/28/2019	4:00	18.55	0.373
7/28/2019	4:01	18.54	0.341
7/28/2019	4:02	18.52	0.382
7/28/2019	4:03	18.5	0.267
7/28/2019	4:04	18.48	0.32
7/28/2019	4:05	18.45	0.273
7/28/2019	4:06	18.43	0.264
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7/28/2019	4:25	18.22	0.353
7/28/2019	4:26	18.21	0.38
7/28/2019	4:27	18.2	0.307
7/28/2019	4:28	18.19	0.347
7/28/2019	4:29	18.19	0.328

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166.7	139.7144254	18.31
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166.3	139.9650888	18.39
165.7	140.355632	18.4
156.7	148.4952449	18.42
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166.8	139.6529623	18.43
152.7	153.6876994	18.44
160.1	144.8885107	18.46
159.6	145.3759529	18.47
157.7	147.3618674	18.48
168.6	138.6276173	18.48
172.9	136.7766005	18.48
162.8	142.4968525	18.47
163.6	141.8632814	18.47
167.7	139.1212357	18.47
173.3	136.6458601	18.46
165.1	140.7638403	18.46
180.1	135.458704	18.45
177.8	135.6439919	18.45
177.1	135.7439374	18.44
195	139.6529623	18.43
191.1	137.6205085	18.41
197.1	141.0459134	18.39
190.1	137.21054	18.37
184.7	135.7439374	18.34
177	135.759882	18.31
166.9	139.5919783	18.3
167.1	139.4714437	18.28
175.6	136.0270567	18.26
177.6	135.6704665	18.24
187.3	136.2949008	18.23
180.9	135.4455	18.2
179.2	135.5051412	18.18
167.4	139.2942101	18.16
178.6	135.5547035	18.15
163.6	141.8632814	18.14
173.9	136.4626721	18.14
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177.5	135.6843278	18.15
182.1	135.475212	18.15
176.7	135.8102214	18.15
186.1	136.0052434	18.15
175.4	136.0719483	18.15
178.1	135.6073966	18.14
185.2	135.8278372	18.14
180.5	135.4488008	18.13
182.8	135.5200067	18.13

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0.726	155.4
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0.695	151.6
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0.653	150.6
0.669	145.6
0.572	151.2
0.687	150.6
0.707	151.2
0.656	148.7
0.759	149.2
0.645	147.9
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0.637	154.7
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0.676	158.8
0.727	154.7
0.734	162.8
0.764	161.3
0.662	169.7
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0.549	172.3
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0.512	177.5
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0.606	170.5
0.564	164.2
0.592	165.1
0.504	164.9
0.544	166.4
0.481	174.6
0.513	171.1
0.538	172.6
0.674	168.4
0.641	166.6
0.663	166
0.591	166.4
0.71	168
0.704	165.6
0.626	168.8
0.699	171.2
0.639	170.6
0.651	175.5
0.621	178.2
0.751	175.9
0.708	170
0.686	172.4

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150.0639356	18.54
148.6120398	18.57
155.3150699	18.6
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156.8753741	18.65
165.9591491	18.67
155.9297559	18.68
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155.9297559	18.68
160.0645165	18.69
159.1957351	18.7
161.5002424	18.71
153.4015168	18.71
150.9548471	18.7
148.379085	18.69
152.5604335	18.69
146.1859844	18.69
150.9548471	18.68
142.4968525	18.67
143.7762629	18.66
138.0751192	18.66
135.458704	18.65
136.9857152	18.63
135.5547035	18.62
135.9628798	18.6
135.4983288	18.57
135.6843278	18.55
138.6806025	18.52
137.7078372	18.5
141.4098131	18.49
140.7638403	18.47
140.9038772	18.45
139.9016992	18.44
136.2684311	18.41
137.4512019	18.39
136.8792016	18.36
138.734051	18.34
139.7763685	18.33
140.1581671	18.33
139.9016992	18.32
138.952495	18.32
140.4224336	18.33
138.5230334	18.33
137.4099861	18.33
137.6639493	18.33
136.0492916	18.32
135.5960285	18.32
135.9628798	18.31
137.9340071	18.3
136.949775	18.3

0.68	161.5	143.5986496	18.68	0.812	157.3	147.8077356
0.795	160.3	144.6975271	18.72	0.984	156.4	148.8475437
0.777	163.8	141.7100752	18.76	1.02	158.3	146.7114396
0.855	161.1	143.9560723	18.79	1.071	155.9	149.4475739
0.894	158.7	146.2898835	18.81	0.983	154.6	151.0848301
0.822	156.3	148.9662571	18.83	0.949	153.8	152.1495751
0.785	156.3	148.9662571	18.85	0.964	153.8	152.1495751
0.859	156.2	149.0856146	18.85	0.904	154.7	150.9548471
0.826	157.9	147.1426245	18.84	0.949	154.2	151.6116385
0.917	156.5	148.729472	18.84	1.027	154.2	151.6116385
0.875	153.6	152.4227699	18.84	0.971	152.1	154.5640391
0.993	158.1	146.9258206	18.85	1.101	152.6	153.8318952
0.917	155.7	149.6921424	18.87	0.96	152.8	153.5442409
0.838	159.9	145.0817692	18.86	1.082	156.9	148.2635581
0.845	162	143.1641434	18.85	0.967	162.4	142.8262379
0.831	161.6	143.5106627	18.84	0.995	159.9	145.0817692
0.869	160.8	144.2299319	18.84	1.092	155.3	150.1891937
0.852	163.2	142.1758963	18.84	1.088	158.7	146.2898835
0.802	163.9	141.6342428	18.82	1.075	158.7	146.2898835
0.794	166.6	139.7763685	18.82	1.052	166.1	140.0933217
0.85	166.1	140.0933217	18.8	1.074	161.7	143.4232201
0.84	173.1	136.7103661	18.79	1.066	168.8	138.5230334
0.704	181.4	135.4506575	18.79	0.871	176.2	135.9024875
0.724	182.1	135.475212	18.77	0.865	174.3	136.3491176
0.691	188.6	136.6778973	18.75	0.867	179.2	135.5051412
0.697	188.7	136.7103661	18.73	0.811	182.1	135.475212
0.756	191.6	137.8421902	18.7	0.958	181.1	135.4463252
0.707	182.4	135.4919297	18.68	0.849	176.8	135.7930238
0.727	175.7	136.0052434	18.65	0.853	173	136.743267
0.762	176.7	135.8102214	18.62	0.923	170	137.9340071
0.768	171.2	137.4099861	18.62	0.855	167.4	139.2942101
0.726	169.6	138.1230627	18.61	0.852	166.5	139.8387928
0.611	169.4	138.2203136	18.59	0.834	168.6	138.6276173
0.686	172.3	136.9857152	18.57	0.832	167.1	139.4714437
0.668	178.1	135.6073966	18.55	0.778	172.1	137.0589052
0.666	179.1	135.5123672	18.52	0.814	172.6	136.8792016
0.728	176.2	135.9024875	18.5	0.854	173	136.743267
0.767	168.8	138.5230334	18.47	0.985	170	137.9340071
0.879	170.3	137.796957	18.46	0.959	166	140.1581671
0.821	168.7	138.5750946	18.46	1.031	166.4	139.9016992
0.821	167.7	139.1212357	18.45	0.926	166.1	140.0933217
0.932	173.2	136.6778973	18.46	1.066	167.3	139.3528135
0.799	171.2	137.4099861	18.46	1.015	168.4	138.734051
0.854	176.9	135.7762441	18.46	0.946	172.5	136.9142707
0.861	176.3	135.8831963	18.46	1.022	170.7	137.6205085
0.917	174.7	136.2423866	18.46	0.905	171.8	137.171973
0.831	179.8	135.4704656	18.45	1.02	172.8	136.810367
0.801	179.9	135.4661321	18.45	0.957	175.4	136.0719483
0.842	185	135.7930238	18.44	1.094	176.5	135.8458714
0.828	176.4	135.8643244	18.43	1.113	171.3	137.3692134
0.877	176.8	135.7930238	18.43	1.092	171.9	137.1338452

18.81	0.936	159.9	145.0817692	147.3628962	No
18.85	1.186	161.6	143.5106627	145.0880683	No
18.9	1.146	164.1	141.484113	144.186995	No
18.92	1.176	163	142.3353263	147.8654531	No
18.94	1.186	159.2	145.7762909	148.0190896	No
18.96	1.206	158.8	146.1859844	149.4890738	No
18.96	1.202	157	148.1486618	151.8576533	No
18.95	1.273	156.7	148.4952449	151.1163656	No
18.93	1.193	157.9	147.1426245	149.3925738	No
18.92	1.23	158.6	146.3943767	148.9809572	No
18.92	1.261	155.8	149.5695304	155.1847562	No
18.94	1.334	155.7	149.6921424	151.2104904	No
18.95	1.226	155.8	149.5695304	152.5281446	No
18.95	1.139	160.4	144.6028841	148.5271779	No
18.94	1.203	164	141.5589225	143.8932114	No
18.93	1.156	164.2	141.4098131	143.4370294	No
18.94	1.287	159.8	145.1792559	147.3691029	No
18.94	1.165	164.4	141.262737	144.1287614	No
18.92	1.127	163.5	141.9406579	144.5000523	No
18.91	1.132	166.5	139.8387928	139.7531007	No
18.89	1.243	169.4	138.2203136	142.0141613	No
18.89	1.166	171.4	137.328883	137.1918057	No
18.88	1.004	182	135.4704656	135.6139602	No
18.86	1.104	180.8	135.4457063	136.1384955	No
18.85	0.995	185.3	135.8458714	136.8476761	No
18.82	0.943	191	137.577514	136.4422416	No
18.79	1.026	189.4	136.949775	137.4581894	No
18.77	1.011	184	135.6439919	136.0449553	No
18.74	1.037	178.2	135.5960285	136.7932626	No
18.73	1.082	177.1	135.7439374	136.8029869	No
18.73	1.124	172.2	137.0220917	139.4264969	No
18.72	1.052	172.3	136.9857152	139.5492849	No
18.7	0.969	173.4	136.6142539	138.4447162	No
18.68	1.044	172.4	136.949775	138.0073311	No
18.66	1.022	178.1	135.6073966	136.3074084	No
18.62	1.075	176.6	135.8278372	136.3220677	No
18.6	1.002	179.3	135.4983288	136.2575243	No
18.57	1.03	173.3	136.6458601	138.6213254	No
18.56	1.236	171.9	137.1338452	138.321549	No
18.56	1.198	172.6	136.8792016	140.1245606	No
18.55	1.123	171.5	137.2889944	138.8947322	No
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18.57	1.126	173.4	136.6142539	138.0626996	No
18.56	1.144	178.9	135.52806	136.6721901	No
18.55	1.203	177.4	135.6986053	136.6809781	No
18.56	1.24	178.2	135.5960285	136.7708881	No
18.54	1.134	178.7	135.5454083	136.1005181	No
18.54	1.093	183	135.5365272	135.6853764	No
18.53	1.172	184	135.6439919	135.8574031	No
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18.51	1.185	177.7	135.6570213	136.3491627	No

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7/28/2019	4:31	18.17	0.361
7/28/2019	4:32	18.17	0.422
7/28/2019	4:33	18.16	0.334
7/28/2019	4:34	18.15	0.325
7/28/2019	4:35	18.14	0.365
7/28/2019	4:36	18.14	0.376
7/28/2019	4:37	18.14	0.39
7/28/2019	4:38	18.14	0.373
7/28/2019	4:39	18.15	0.443
7/28/2019	4:40	18.16	0.369
7/28/2019	4:41	18.17	0.46
7/28/2019	4:42	18.19	0.448
7/28/2019	4:43	18.21	0.445
7/28/2019	4:44	18.23	0.459
7/28/2019	4:45	18.25	0.385
7/28/2019	4:46	18.27	0.319
7/28/2019	4:47	18.28	0.392
7/28/2019	4:48	18.28	0.305
7/28/2019	4:49	18.29	0.4
7/28/2019	4:50	18.3	0.416
7/28/2019	4:51	18.3	0.306
7/28/2019	4:52	18.31	0.472
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7/28/2019	4:56	18.34	0.469
7/28/2019	4:57	18.35	0.432
7/28/2019	4:58	18.35	0.423
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7/28/2019	5:00	18.34	0.376
7/28/2019	5:01	18.34	0.326
7/28/2019	5:02	18.34	0.41
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7/28/2019	5:04	18.34	0.492
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7/28/2019	5:06	18.34	0.408
7/28/2019	5:07	18.35	0.377
7/28/2019	5:08	18.34	0.432
7/28/2019	5:09	18.33	0.362
7/28/2019	5:10	18.33	0.5
7/28/2019	5:11	18.33	0.358
7/28/2019	5:12	18.32	0.389
7/28/2019	5:13	18.32	0.416
7/28/2019	5:14	18.32	0.424
7/28/2019	5:15	18.32	0.496
7/28/2019	5:16	18.31	0.394
7/28/2019	5:17	18.31	0.405
7/28/2019	5:18	18.3	0.443
7/28/2019	5:19	18.3	0.457
7/28/2019	5:20	18.3	0.403

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184.6	135.7284098	18.12
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180.9	135.4455	18.12
194.5	139.3528135	18.11
184.4	135.6986053	18.11
169.8	138.0276292	18.1
179.1	135.5123672	18.1
178	135.6191797	18.11
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183.2	135.5547035	18.12
185.6	135.9024875	18.14
179.4	135.4919297	18.17
185.3	135.8458714	18.2
181.3	135.4488008	18.23
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191.2	137.6639493	18.29
180.1	135.458704	18.3
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182.3	135.4859439	18.32
186.4	136.0719483	18.32
185.4	135.8643244	18.33
186.1	136.0052434	18.33
192.3	138.1714606	18.33
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185	135.7930238	18.34
184.9	135.7762441	18.35
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177.8	135.6439919	18.35
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178.5	135.564413	18.33
179.5	135.4859439	18.32
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183.6	135.5960285	18.32
185.4	135.8643244	18.32
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175.5	136.0492916	18.31
174.5	136.2949008	18.3
177.5	135.6843278	18.29
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176.6	135.8278372	18.3
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177.4	135.6986053	18.29
175.4	136.0719483	18.28
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0.696	179.5
0.658	178
0.662	179.6
0.64	176
0.662	170.2
0.677	169.5
0.589	174.7
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0.816	184.3	135.6843278	18.42	1.003	178	135.6191797
0.772	187	136.2167669	18.41	1.005	181.3	135.4488008
0.83	182.6	135.5051412	18.41	0.989	178.6	135.5547035
0.913	176.6	135.8278372	18.41	1.029	173.4	136.6142539
0.842	175.8	135.9838512	18.42	1.06	171.5	137.2889944
0.907	177.3	135.7132992	18.43	0.873	174.6	136.2684311
0.935	180.4	135.4506575	18.44	0.987	176.2	135.9024875
0.896	181.2	135.4473567	18.45	1.005	175.5	136.0492916
0.991	185.6	135.9024875	18.49	1.114	177.4	135.6986053
0.918	186.2	136.0270567	18.53	1.213	176.9	135.7762441
1.009	187.6	136.3768654	18.58	1.086	179.7	135.475212
0.882	183.3	135.564413	18.61	1.081	179.1	135.5123672
0.969	194.2	139.1784222	18.66	1.121	184.1	135.6570213
0.768	192.2	138.1230627	18.7	1.137	187	136.2167669
0.806	185.4	135.8643244	18.72	0.87	182	135.4704656
0.79	184.3	135.6843278	18.72	0.917	177.7	135.6570213
0.868	183.3	135.564413	18.72	1.104	177.5	135.6843278
0.907	186.7	136.1424529	18.73	1.066	180.7	135.4463252
0.85	186	135.9838512	18.73	1.129	178	135.6191797
0.928	184	135.6439919	18.73	1.124	177.4	135.6986053
0.843	180.2	135.4556091	18.72	1.04	176.9	135.7762441
0.946	178.3	135.5850754	18.72	1.062	176.6	135.8278372
0.941	184.9	135.7762441	18.73	1.062	176.1	135.9221983
1.016	185.4	135.8643244	18.74	1.039	177.7	135.6570213
0.927	181	135.4457063	18.75	1.144	173.4	136.6142539
0.867	178.2	135.5960285	18.75	1.069	172.8	136.810367
0.823	178.8	135.5365272	18.74	0.982	174.1	136.4050401
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0.899	179.5	135.4859439	18.7	1.15	175.1	136.1424529
0.984	175.6	136.0270567	18.71	0.94	174.4	136.3217962
0.78	183.3	135.564413	18.71	1.178	176.9	135.7762441
0.891	180.2	135.4556091	18.72	1.274	174.3	136.3491176
0.816	174	136.4336422	18.72	1.112	171.8	137.171973
0.868	176.9	135.7762441	18.71	0.994	170.4	137.7521729
0.826	174	136.4336422	18.69	1.031	170.6	137.6639493
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0.908	178.3	135.5850754	18.67	1.095	173.5	136.5830783
0.877	185.4	135.8643244	18.67	1.188	176.1	135.9221983
0.922	181.7	135.458704	18.67	1.229	177.6	135.6704665
0.995	182.9	135.52806	18.67	1.108	178.5	135.564413
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0.885	181.2	135.4473567	18.66	1.072	175	136.1668004
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0.902	174	136.4336422	18.64	1.05	169.6	138.1230627
0.993	176.1	135.9221983	18.64	1.132	172.7	136.8445673
0.94	171.5	137.2889944	18.62	1.079	170.3	137.796957

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18.51	1.221	187.5	136.3491176	136.3869442	No
18.51	1.14	187.4	136.3217962	135.5920468	No
18.5	1.063	188.1	136.5220169	136.6246881	No
18.49	1.15	187.6	136.3768654	135.6751947	No
18.5	1.283	182.9	135.52806	137.0779776	No
18.51	1.142	179.8	135.4704656	136.7391683	No
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18.75	1.312	192.9	138.471433	137.040521	No
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18.81	1.197	189.4	136.949775	136.2330943	No
18.82	1.171	187.2	136.2684311	135.6764943	No
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18.83	1.27	186.9	136.1915717	135.6817321	No
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18.85	1.224	181.7	135.458704	136.0421594	No
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18.8	1.266	186	135.9838512	135.5176286	No
18.79	1.261	188.3	136.5830783	135.6629109	No
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18.76	1.219	180.3	135.452927	136.1128754	No
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18.73	1.212	176.9	135.7762441	137.2788962	No

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7/28/2019	5:41	18.07	0.342
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173.3	136.6458601	18.18
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171.9	137.1338452	18.01
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172.4	136.949775	18
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18.74	1.366	173.8	136.4921301	139.6689803	No
18.75	1.304	170.4	137.7521729	140.2038961	No
18.75	1.295	170.1	137.8878733	141.2484655	No
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18.74	1.193	171	137.4928614	140.8500176	No
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18.46	1.134	173.9	136.4626721	138.0124629	No
18.47	1.188	174.6	136.2684311	139.7701547	No
18.47	1.084	174.1	136.4050401	139.1691911	No
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18.41	1.223	178.3	135.5850754	136.4962834	No
18.43	1.348	175.6	136.0270567	138.2099281	No
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18.45	1.201	171.1	137.4512019	141.1069148	No
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171.6	137.249547	18.37
174.6	136.2684311	18.42
171.3	137.3692134	18.47
174.7	136.2423866	18.53
174.3	136.3491176	18.58
166.8	139.6529623	18.63
162.1	143.0788632	18.69
163.9	141.6342428	18.75
174.5	136.2949008	18.82
170.1	137.8878733	18.88
176.1	135.9221983	18.95
177.4	135.6986053	19.01
189.1	136.8445673	19.07
186	135.9838512	19.15
194.9	139.5919783	19.24
187.3	136.2949008	19.33
184.3	135.6843278	19.42
194.9	139.5919783	19.51
192	138.0276292	19.59
186.3	136.0492916	19.68
189	136.810367	19.76
193.1	138.5750946	19.83
184.8	135.759882	19.89
202.8	145.9799608	19.96
193.3	138.6806025	20.02
196.4	140.557513	20.08
192.7	138.3696112	20.12
191.8	137.9340071	20.18
189.5	136.9857152	20.24
191.8	137.9340071	20.3
184	135.6439919	20.36
189.6	137.0220917	20.43
190.7	137.4512019	20.49
188.2	136.5523328	20.56
179.3	135.4983288	20.59
186.3	136.0492916	20.65
185.6	135.9024875	20.69
193	138.5230334	20.7
194.6	139.411891	20.72
188.8	136.743267	20.75
187	136.2167669	20.85
190.2	137.249547	20.93
190.2	137.249547	20.96

0.687	165
0.67	168.6
0.598	167.7
0.62	166.4
0.721	166.1
0.684	169.8
0.754	166.6
0.716	163.9
0.589	170.9
0.644	168.8
0.599	170.9
0.698	167.8
0.622	164.4
0.602	165.3
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0.462	155.6
0.497	163.7
0.604	167.2
0.623	168.3
0.824	169.5
0.959	178.1
0.833	176.1
1.085	175.9
0.993	176.9
1.036	177.5
1.004	182.4
1.185	181.2
1.016	184.4
1.039	186.3
1.086	187
0.977	185.2
1.067	186.6
0.999	184.5
1.176	184.7
1.067	185.5
1.22	192.1
0.959	181.1
1.246	181.3
1.142	179.7
0.994	178
1.199	181.5
1.201	180.4
1.198	173.7
1.05	179.1
1.275	188.7
1.47	189.4
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1.242	185.3
1.088	185
1.206	187.8
1.158	187.9

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138.0276292	18.37
139.7763685	18.41
141.6342428	18.44
137.5349652	18.48
138.5230334	18.51
137.5349652	18.55
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141.262737	18.61
140.6257933	18.63
146.0826775	18.65
149.8154124	18.68
141.786421	18.71
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135.6986053	19.55
136.0492916	19.6
136.2167669	19.65
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136.1185285	19.77
135.7132992	19.82
135.7439374	19.87
135.8831963	19.9
138.0751192	19.95
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135.4488008	20.06
135.475212	20.11
135.6191797	20.17
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136.5220169	20.29
135.5123672	20.33
136.7103661	20.34
136.949775	20.36
136.8445673	20.38
135.8458714	20.43
135.7930238	20.5
136.4336422	20.55
136.4626721	20.58

1.037	169.2	138.3193881	18.37	1.093	167.8	139.0645196
0.873	170.4	137.7521729	18.39	1.086	169	138.4202926
0.943	169.1	138.3696112	18.41	0.981	167.7	139.1212357
0.918	169.6	138.1230627	18.42	1.042	168.2	138.8423412
0.928	170.6	137.6639493	18.45	1.023	167.9	139.008273
0.971	171.6	137.249547	18.47	1.048	170.2	137.8421902
0.925	169.8	138.0276292	18.5	1.02	168.9	138.471433
0.927	169.1	138.3696112	18.52	1.07	166.2	140.0289626
0.807	169.6	138.1230627	18.54	0.868	167.2	139.411891
0.774	170.5	137.7078372	18.56	0.96	167.9	139.008273
0.798	167.5	139.23608	18.58	0.931	168.9	138.471433
0.693	171.7	137.21054	18.6	0.964	167.8	139.0645196
0.716	166	140.1581671	18.6	0.904	166.8	139.6529623
0.811	165	140.8336095	18.6	0.905	164.6	141.1176841
0.654	161	144.0468045	18.6	0.782	161.6	143.5106627
0.556	160.3	144.6975271	18.61	0.716	159.5	145.4751667
0.743	165.3	140.6257933	18.62	0.785	163.8	141.7100752
0.712	168.2	138.8423412	18.65	0.877	167.5	139.23608
0.787	166.6	139.7763685	18.69	0.884	164	141.5589225
1.062	177.8	135.6439919	18.75	1.116	170.6	137.6639493
1.033	180.1	135.458704	18.82	1.358	176.3	135.8831963
1.023	182.6	135.5051412	18.91	1.217	179.6	135.4803714
1.18	186	135.9838512	19.01	1.489	180.3	135.452927
1.278	186.5	136.0950271	19.11	1.422	178.7	135.5454083
1.412	184.3	135.6843278	19.21	1.485	178	135.6191797
1.302	192.1	138.0751192	19.28	1.473	182	135.4704656
1.37	187.6	136.3768654	19.35	1.661	180.7	135.4463252
1.333	187	136.2167669	19.41	1.442	180.6	135.4473567
1.314	189.5	136.9857152	19.45	1.572	182.7	135.5123672
1.186	192.3	138.1714606	19.49	1.53	184.5	135.7132992
1.407	187.9	136.4626721	19.53	1.487	181.2	135.4473567
1.198	190.7	137.4512019	19.57	1.493	185	135.7930238
1.536	190.5	137.3692134	19.62	1.61	180	135.4622116
1.643	195.6	140.0289626	19.67	1.727	184.8	135.759882
1.363	189.3	136.9142707	19.69	1.605	182.9	135.52806
1.212	193.1	138.5750946	19.73	1.574	184.9	135.7762441
1.23	190.7	137.4512019	19.78	1.393	180.4	135.4506575
1.549	191.2	137.6639493	19.82	1.708	181.8	135.4622116
1.605	187.9	136.4626721	19.88	1.656	182.3	135.4859439
1.442	185.5	135.8831963	19.93	1.578	179.9	135.4661321
1.473	186.5	136.0950271	19.97	1.71	179.7	135.475212
1.567	188.5	136.6458601	20.01	1.765	179.2	135.5051412
1.603	183.7	135.6073966	20.04	1.772	176.6	135.8278372
1.521	185.5	135.8831963	20.08	1.626	179.1	135.5123672
1.56	190	137.171973	20.1	1.879	181.9	135.4661321
1.685	192.4	138.2203136	20.12	2.105	184.6	135.7284098
1.68	193.8	138.952495	20.14	2.291	184.5	135.7132992
1.552	189.9	137.1338452	20.18	1.764	184.7	135.7439374
1.406	191.2	137.6639493	20.23	1.597	181.4	135.4506575
1.59	193.8	138.952495	20.26	1.939	185.9	135.9628798
1.594	192.5	138.2696225	20.29	1.76	185.4	135.8643244

18.48	1.377	173.3	136.6458601	138.4864818	No
18.49	1.223	174.3	136.3491176	138.2674263	No
18.51	1.157	174.4	136.3217962	138.526236	No
18.52	1.231	175.5	136.0492916	138.078615	No
18.55	1.212	172.6	136.8792016	138.7587916	No
18.57	1.201	178.6	135.5547035	137.1846365	No
18.59	1.201	175.8	135.9838512	139.208236	No
18.62	1.235	173.6	136.5523328	139.4801725	No
18.64	1.102	175.5	136.0492916	138.0798665	No
18.66	1.088	174.8	136.2167669	137.8768937	No
18.68	1.083	175.3	136.0950271	138.1529229	No
18.68	0.936	174	136.4336422	137.8954915	No
18.69	0.982	173.5	136.5830783	139.355746	No
18.68	1.055	171.3	137.3692134	140.5575123	No
18.67	0.864	167.1	139.4714437	144.179752	No
18.68	0.745	165.5	140.4897269	145.4055872	No
18.69	0.903	171.2	137.4099861	140.1042976	No
18.71	0.982	171.5	137.2889944	138.8445464	No
18.76	1.032	172.3	136.9857152	139.0113632	No
18.81	1.213	177.7	135.6570213	136.7945018	No
18.89	1.331	179.1	135.5123672	135.948466	No
18.99	1.292	185.4	135.8643244	135.7228905	No
19.1	1.575	186	135.9838512	136.7479091	No
19.21	1.627	188.1	136.5220169	135.9278951	No
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19.37	1.699	189.7	137.0589052	137.1573732	No
19.44	1.694	188.2	136.5523328	136.3245441	No
19.5	1.654	188.5	136.6458601	135.8530051	No
19.55	1.709	191	137.577514	136.3394352	No
19.59	1.58	192.8	138.4202926	137.1691553	No
19.64	1.876	193	138.5230334	135.874437	No
19.68	1.644	192.6	138.3193881	138.8356788	No
19.72	1.845	189.5	136.9857152	136.8063317	No
19.77	2.071	193.6	138.8423412	138.0225738	No
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19.83	1.587	194.2	139.1784222	137.5901162	No
19.87	1.604	190.6	137.4099861	136.333475	No
19.91	2.044	192.1	138.0751192	136.6272422	No
19.95	2.111	191.3	137.7078372	135.766955	No
20.01	1.909	187	136.2167669	135.99765	No
20.06	1.815	188	136.4921301	136.118592	No
20.1	2.043	189.7	137.0589052	136.0384979	No
20.13	2.043	186.3	136.0492916	135.8638949	No
20.16	1.954	187.2	136.2684311	135.7393056	No
20.17	2.146	192.7	138.3696112	136.3127397	No
20.2	2.218	193.7	138.8971847	137.355383	No
20.24	2.482	193.9	139.008273	137.7305631	No
20.29	2.073	192.4	138.2203136	136.3667302	No
20.33	1.91	193.7	138.8971847	136.2810994	No
20.36	2.223	196.8	140.8336095	137.149641	No
20.39	2.055	192.3	138.1714606	136.9615415	No

7/28/2019	7:03	20.25	0.675
7/28/2019	7:04	20.29	0.822
7/28/2019	7:05	20.35	0.797
7/28/2019	7:06	20.39	0.758
7/28/2019	7:07	20.42	0.903
7/28/2019	7:08	20.45	1.007
7/28/2019	7:09	20.49	0.912
7/28/2019	7:10	20.53	0.708
7/28/2019	7:11	20.58	0.959
7/28/2019	7:12	20.64	0.802
7/28/2019	7:13	20.68	0.979
7/28/2019	7:14	20.73	0.789
7/28/2019	7:15	20.78	0.781
7/28/2019	7:16	20.82	0.912
7/28/2019	7:17	20.88	0.815
7/28/2019	7:18	20.94	0.878
7/28/2019	7:19	20.96	0.825
7/28/2019	7:20	21.01	0.767
7/28/2019	7:21	21.07	0.705
7/28/2019	7:22	21.17	0.775
7/28/2019	7:23	21.23	0.704
7/28/2019	7:24	21.27	0.78
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7/28/2019	7:29	21.59	0.655
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7/28/2019	7:37	22.03	0.591
7/28/2019	7:38	22.11	0.657
7/28/2019	7:39	22.17	0.726
7/28/2019	7:40	22.2	0.571
7/28/2019	7:41	22.22	0.668
7/28/2019	7:42	22.29	0.627
7/28/2019	7:43	22.4	0.647
7/28/2019	7:44	22.43	0.909
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7/28/2019	7:46	22.47	0.594
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7/28/2019	7:52	22.55	0.714
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191.6	137.8421902	21.16
195.3	139.8387928	21.18
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193.2	138.6276173	21.36
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202.1	145.2773166	21.63
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201.3	144.5088047	21.78
194.5	139.3528135	21.83
194.2	139.1784222	21.98
193.9	139.008273	22.05
195.5	139.9650888	22.09
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190.3	137.2889944	22.23
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194.6	139.411891	22.47
199.1	142.5784051	22.57
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189.1	136.8445673	22.68
186.4	136.0719483	22.72
197.9	141.6342428	22.77
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205	148.379085	23.17
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188.8	136.743267	23.44
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1.539	186.5
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1.203	191.3
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1.356	194.2
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0.972	187.5
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0.773	188.2
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1.169	194
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0.984	189.9
0.935	187.3
1.41	182.1
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1.076	194.2
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1.4	195.5	139.9650888	20.32	1.766	186.4	136.0719483
1.618	192.4	138.2203136	20.34	1.904	185.3	135.8458714
1.426	195.2	139.7763685	20.38	1.764	186.2	136.0270567
1.549	193.1	138.5750946	20.41	1.973	187.5	136.3491176
1.679	195	139.6529623	20.44	2.199	188.9	136.7766005
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1.855	195.4	139.9016992	20.51	2.118	186.4	136.0719483
1.627	198.9	142.4158267	20.53	2.044	188.1	136.5220169
1.698	195	139.6529623	20.57	1.869	188.6	136.6778973
1.688	192.8	138.4202926	20.62	1.885	187.2	136.2684311
1.899	197.9	141.6342428	20.66	2.09	191.2	137.6639493
1.834	190.7	137.4512019	20.71	1.898	184.1	135.6570213
1.727	199.1	142.5784051	20.76	2.054	191.2	137.6639493
1.774	191.5	137.796957	20.8	2.053	185	135.7930238
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1.609	199.8	143.1641434	20.93	2.013	191.4	137.7521729
1.611	199.1	142.5784051	20.97	1.999	191.4	137.7521729
1.483	194.4	139.2942101	20.99	1.686	186.8	136.1668004
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1.412	193.6	138.8423412	21.17	2.061	186.8	136.1668004
1.65	195.5	139.9650888	21.21	2.1	187.7	136.4050401
1.685	187	136.2167669	21.26	1.854	181.5	135.452927
1.782	188.3	136.5830783	21.34	1.949	181.4	135.4506575
1.609	188.7	136.7103661	21.39	1.991	183.4	135.5745369
1.462	190.4	137.328883	21.43	1.689	185.9	135.9628798
1.414	188.4	136.6142539	21.49	1.623	182.1	135.475212
1.476	189.5	136.9857152	21.56	1.952	185.9	135.9628798
1.571	187.9	136.4626721	21.61	2.034	180.4	135.4506575
1.635	189.7	137.0589052	21.67	1.98	182.8	135.5200067
1.568	195.8	140.1581671	21.71	2.004	189.5	136.9857152
1.499	194.8	139.5314724	21.74	1.985	189.4	136.949775
1.678	188.4	136.6142539	21.8	1.929	182.3	135.4859439
1.676	195.8	140.1581671	21.87	2.032	189	136.810367
1.288	188.6	136.6778973	21.93	1.368	188.3	136.5830783
1.335	191.6	137.8421902	22.04	1.705	183.1	135.5454083
1.296	193.7	138.8971847	22.11	1.815	190.7	137.4512019
1.211	199.1	142.5784051	22.12	1.67	196.4	140.557513
1.443	198.2	141.8632814	22.14	2.151	191.8	137.9340071
1.078	190.7	137.4512019	22.19	1.513	188.4	136.6142539
1.303	188.1	136.5220169	22.31	1.563	183.9	135.6313781
1.693	188.9	136.7766005	22.32	2.053	181.7	135.458704
1.427	198.1	141.786421	22.35	1.959	192.7	138.3696112
1.32	197.8	141.5589225	22.34	1.705	192.2	138.1230627
1.949	188.8	136.743267	22.38	2.444	182.4	135.4919297
2.095	194.8	139.5314724	22.35	2.728	187.7	136.4050401
2.004	186.3	136.0492916	22.37	2.426	182.3	135.4859439
1.975	195.2	139.7763685	22.37	2.513	190.3	137.2889944
1.788	199	142.4968525	22.38	2.246	190.3	137.2889944
1.569	195.1	139.7144254	22.41	2.211	189.8	137.0961561
1.415	190.6	137.4099861	22.48	1.81	184	135.6439919

20.4	1.966	195.5	139.9650888	138.7421359	No
20.43	2.048	196.1	140.355632	137.1734093	No
20.47	1.927	193.5	138.7879636	138.1267177	No
20.51	2.151	197.4	141.262737	138.9993233	No
20.54	2.119	195.1	139.7144254	137.9623167	No
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20.63	2.183	198.9	142.4158267	141.2852314	No
20.68	2.201	197.3	141.1899582	137.5833994	No
20.72	2.147	196.4	140.557513	137.812587	No
20.75	2.6	199.2	142.6604859	140.518816	No
20.8	2.337	195.2	139.7763685	137.2490769	No
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20.9	2.413	195.1	139.7144254	136.7491058	No
20.95	2.106	197.7	141.484113	140.144114	No
21.01	2.299	196.4	140.557513	137.4205205	No
21.02	2.092	202.2	145.3759529	141.3869611	No
21.07	2.198	200.5	143.7762629	140.8149188	No
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21.21	1.922	194.2	139.1784222	137.1515762	No
21.27	2.173	195.3	139.8387928	137.6985038	No
21.29	2.121	196.1	140.355632	138.2452695	No
21.36	2.354	193.1	138.5750946	135.9545142	No
21.43	2.37	190.3	137.2889944	136.2021685	No
21.47	2.382	193.9	139.008273	136.5042609	No
21.51	1.94	193.5	138.7879636	137.4660951	No
21.6	1.851	191.9	137.9805921	136.8322985	No
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21.72	2.185	190.1	137.21054	136.3021538	No
21.78	2.161	192.1	138.0751192	136.2548769	No
21.8	2.274	198.6	142.1758963	137.5874189	No
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21.9	2.275	190.2	137.249547	136.1896015	No
21.96	2.461	197.7	141.484113	138.466558	No
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22.12	1.87	192	138.0276292	137.579177	No
22.19	2.003	195.6	140.0289626	142.4942363	No
22.2	1.861	201.4	144.6028841	143.2497791	No
22.22	2.37	200	143.3363204	141.3900578	No
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22.39	1.883	194.5	139.3528135	136.6549391	No
22.38	2.462	191.8	137.9340071	136.1134459	No
22.4	2.104	200.2	143.5106627	142.7509377	No
22.4	2.065	200.1	143.4232201	141.9269878	No
22.46	2.797	192.3	138.1714606	137.5303722	No
22.42	3.109	197.3	141.1899582	139.5410448	No
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22.46	2.841	198	141.7100752	140.20983	No
22.47	2.607	198.7	142.25535	142.1669165	No
22.5	2.418	198.8	142.3353263	140.4750082	No
22.58	2.086	191.1	137.6205085	136.7384621	No

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7/28/2019	7:58	22.89	0.421
7/28/2019	7:59	23	0.49
7/28/2019	8:00	23.09	0.569
7/28/2019	8:01	23.14	0.433
7/28/2019	8:02	23.22	0.774
7/28/2019	8:03	23.21	0.522
7/28/2019	8:04	23.29	0.663
7/28/2019	8:05	23.35	0.781
7/28/2019	8:06	23.38	0.73
7/28/2019	8:07	23.42	0.593
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7/28/2019	8:11	23.59	0.628
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7/28/2019	8:16	23.55	0.917
7/28/2019	8:17	23.57	0.636
7/28/2019	8:18	23.54	0.657
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7/28/2019	8:30	24.54	0.598
7/28/2019	8:31	24.58	0.523
7/28/2019	8:32	24.61	0.687
7/28/2019	8:33	24.62	0.476
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7/28/2019	8:40	25.06	0.574
7/28/2019	8:41	25.15	0.529
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1.199	195.8	140.1581671	22.84	1.501	193.3	138.6806025
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1.527	197.9	141.6342428	23.07	1.897	191.2	137.6639493
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1.51	193.6	138.8423412	23.19	1.741	187.9	136.4626721
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1.382	199	142.4968525	23.31	1.754	192.8	138.4202926
1.411	205.3	148.729472	23.36	1.834	197.1	141.0459134
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1.848	206.7	150.441715	23.29	2.39	199.4	142.8262379
1.512	205.8	149.3262707	23.25	2.151	201.2	144.4152874
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1.192	194.1	139.1212357	23.44	1.573	185.1	135.8102214
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1.81	193.7	138.8971847	24.4	2.106	185.2	135.8278372
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24.83	2.332	192.6	138.3193881	139.8467713	No
24.89	3.046	196.8	140.8336095	137.2755223	No

7/28/2019	8:45	25.35	0.833
7/28/2019	8:46	25.29	0.522
7/28/2019	8:47	25.43	0.757
7/28/2019	8:48	25.47	0.657
7/28/2019	8:49	25.52	0.562
7/28/2019	8:50	25.66	0.706
7/28/2019	8:51	25.72	0.502
7/28/2019	8:52	25.91	0.671
7/28/2019	8:53	26.01	0.685
7/28/2019	8:54	26.04	0.704
7/28/2019	8:55	26	0.852
7/28/2019	8:56	25.92	0.753
7/28/2019	8:57	25.79	0.637
7/28/2019	8:58	25.89	0.49
7/28/2019	8:59	26.05	0.76
7/28/2019	9:00	26.1	0.667
7/28/2019	9:01	26.15	0.77
7/28/2019	9:02	26.16	0.903
7/28/2019	9:03	26.06	0.727
7/28/2019	9:04	26.08	0.731
7/28/2019	9:05	26.14	0.74
7/28/2019	9:06	26.08	0.642
7/28/2019	9:07	26.05	0.642
7/28/2019	9:08	26.09	0.995
7/28/2019	9:09	26.09	0.737
7/28/2019	9:10	26.08	0.72
7/28/2019	9:11	26.23	0.742
7/28/2019	9:12	26.36	0.741
7/28/2019	9:13	26.39	0.808
7/28/2019	9:14	26.42	0.717
7/28/2019	9:15	26.45	0.739
7/28/2019	9:16	26.42	0.815
7/28/2019	9:17	26.36	0.87
7/28/2019	9:18	26.32	0.715
7/28/2019	9:19	26.42	0.808
7/28/2019	9:20	26.52	0.871
7/28/2019	9:21	26.62	0.751
7/28/2019	9:22	26.58	0.948
7/28/2019	9:23	26.49	0.972
7/28/2019	9:24	26.45	0.787
7/28/2019	9:25	26.51	0.752
7/28/2019	9:26	26.53	0.944
7/28/2019	9:27	26.45	0.867
7/28/2019	9:28	26.49	0.805
7/28/2019	9:29	26.52	0.868
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7/28/2019	9:31	26.42	0.863
7/28/2019	9:32	26.42	1.21
7/28/2019	9:33	26.4	0.889
7/28/2019	9:34	26.45	0.737
7/28/2019	9:35	26.5	0.962

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192.1	138.0751192	26.49
192.4	138.2203136	26.73
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194.9	139.5919783	26.96
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1.126	174.1
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1.668	197.5
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1.128	192.9
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1.597	208.5
1.966	191
1.697	196.9
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145.0817692	25.88
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136.743267	26.25
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148.379085	26.2
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161.3176459	26.34

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1.604	196.7	140.7638403	25.06	1.885	189.5	136.9857152
1.082	200.3	143.5986496	25.14	1.414	194.2	139.1784222
1.652	189.9	137.1338452	25.32	1.816	183.6	135.5960285
1.561	182.1	135.475212	25.38	1.714	179.6	135.4803714
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1.902	206.4	150.0639356	25.32	2.337	197.4	141.262737
1.95	208.3	152.5604335	25.21	2.408	200.3	143.5986496
1.568	203.4	146.6051528	25.14	2.055	194.8	139.5314724
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1.78	191.2	137.6639493	25.44	1.99	187.2	136.2684311
1.956	196	140.2893212	25.45	2.65	188.7	136.7103661
1.897	209.7	154.5640391	25.39	2.399	202	145.1792559
1.629	198.2	141.8632814	25.41	1.784	197	140.9746448
1.903	214.2	162.0534901	25.49	2.342	204.1	147.3618674
1.681	208.5	152.8379067	25.49	2.089	202.9	146.0826775
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2.272	198.5	142.096964	25.54	2.815	190.4	137.328883
1.695	207.8	151.8792052	25.54	2.362	198.4	142.0185516
1.49	216.1	165.7545685	25.58	1.874	207.4	151.3468538
1.565	191.9	137.9805921	25.73	1.86	192.5	138.2696225
1.693	207.8	151.8792052	25.84	1.958	201.7	144.8885107
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1.643	215.7	164.946271	25.83	2.055	206.3	149.9393426
1.903	214.1	161.8681603	25.79	2.41	204.4	147.6953406
1.939	219.2	172.5912057	25.76	2.415	211.6	157.5218261
1.424	227.7	193.8009328	25.79	1.867	217.1	167.8465446
1.719	205.8	149.3262707	25.93	2.094	200.8	144.0468045
1.948	195.3	139.8387928	25.92	2.26	188.9	136.7766005
1.994	201.1	144.3223303	25.93	2.47	192.3	138.1714606
2.047	213.6	160.955157	25.87	2.471	206.4	150.0639356
2.016	215.9	165.3484246	25.86	2.506	209.7	154.5640391
1.823	216.3	166.1647422	25.87	2.05	210.5	155.7749165
1.63	218.6	171.184873	26	1.857	214.2	162.0534901
1.991	216.5	166.5789856	26.03	2.44	212.2	158.5161218
2.158	218.9	171.8828066	25.97	2.463	212.6	159.1957351
2.047	189.4	136.949775	26.04	2.772	183.5	135.5850754
2.075	215	163.5696028	26.06	2.815	204.9	148.2635581
2.392	214.9	163.3767931	25.99	3.12	204.8	148.1486618
2.036	206.9	150.6969261	25.97	2.74	197.2	141.1176841
2.521	215.5	164.548069	25.99	3.099	206.7	150.441715
2.079	208.6	152.9777221	25.99	2.561	201.7	144.8885107
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2.133	219.5	173.3102392	26.12	2.63	213.1	160.0645165

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24.68	2.341	192.9	138.471433	138.6283491	No
24.89	2.438	189	136.810367	136.2204169	No
24.92	2.531	202.7	145.8778326	148.9569743	No
24.96	2.091	193.3	138.6806025	139.5401084	No
25.05	2.327	197.1	141.0459134	139.3709314	No
25.14	1.636	200.4	143.6871825	139.6965495	No
25.33	2.355	192.4	138.2203136	136.5991281	No
25.38	2.19	188.9	136.7766005	135.8308758	No
25.42	2.334	192.1	138.0751192	138.1393098	No
25.3	2.931	205.8	149.3262707	146.4805546	No
25.17	2.919	208	152.1495751	149.099614	No
25.11	2.363	201.7	144.8885107	144.1718643	No
25.22	1.907	197.1	141.0459134	140.3443549	No
25.43	2.689	186.4	136.0719483	136.2994433	No
25.44	2.779	196.3	140.4897269	137.1004068	No
25.45	2.544	193.6	138.8423412	137.2002819	No
25.47	2.892	194.4	139.2942101	139.3858692	No
25.39	2.872	207.7	151.7450728	150.1499952	No
25.42	2.377	200.8	144.0468045	140.8898392	No
25.48	2.805	211.4	157.1969778	153.7365936	No
25.48	2.549	207.5	151.4788997	148.26899	No
25.5	2.573	211.1	156.7157803	155.5585524	No
25.53	3.4	197.7	141.484113	140.3314228	No
25.54	2.654	204.5	147.8077356	146.0319762	No
25.59	2.132	214.2	162.0534901	154.592934	No
25.74	2.498	197.3	141.1899582	137.4485808	No
25.82	2.531	206.4	150.0639356	149.6272653	No
25.8	2.915	198.5	142.096964	138.8619989	No
25.81	2.389	208.9	153.4015168	151.350905	No
25.86	2.344	212.1	158.3483275	158.5567603	No
25.83	2.844	211.2	156.8753741	155.6121176	No
25.85	2.727	219.3	172.8296935	167.5146014	No
25.9	1.952	217.9	169.5961403	181.1056015	Yes
26.05	2.558	207.7	151.7450728	148.992433	No
26.01	2.881	197.6	141.4098131	138.6353406	No
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25.98	2.959	212.1	158.3483275	155.6631781	No
25.96	2.831	214	161.6837458	160.7603822	No
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26.1	2.241	217	167.6326681	170.3714062	No
26.1	3.003	216.9	167.4198452	158.1183639	No
26.02	3.138	218.9	171.8828066	164.3807365	No
26.1	3.178	193.1	138.5750946	136.9780486	No
26.13	3.146	210.4	155.6208578	157.3920314	No
26.04	3.653	211.6	157.5218261	156.8386981	No
26.03	3.084	206.9	150.6969261	149.4465788	No
26.05	3.586	214.2	162.0534901	159.5134656	No
26.05	3.221	209.1	153.6876994	146.0222334	No
26.13	2.259	220.5	175.7860767	176.5274748	Yes
26.18	3.172	220	174.5327325	165.1628877	No

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7/28/2019	9:42	27.04	0.892
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7/28/2019	9:44	27.03	0.854
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7/28/2019	9:50	27.24	1.108
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7/28/2019	10:17	28.25	0.957
7/28/2019	10:18	28.26	1.046
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7/28/2019	10:23	27.99	0.908
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228.8	190.403504	27.67
239.3	165.8686538	27.57
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227	195.3347893	27.65
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227.6	194.1193848	28.67
216.2	165.9591491	28.49
217.2	168.0614801	28.33
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216.9	167.4198452	28.27
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215.1	163.7633675	28.6
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224.7	187.6599662	28.65
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208.3	152.5604335	28.61
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205.5	148.9662571	28.58
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219.6	173.55231	28.01
213.7	161.1359522	27.93

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1.938	198.4
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164.7466785	26.97
191.884056	26.92
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138.8423412	27.93
168.49455	27.95
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149.6921424	27.64
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145.1792559	27.73
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142.0185516	27.87
149.4475739	27.92
153.1182603	28.02
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153.1182603	27.85
154.2689366	27.76
143.1641434	27.64
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148.9662571	27.49

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2.166	201.9	145.0817692	26.17	2.878	193	138.5230334
2.249	206.3	149.9393426	26.2	2.945	200.6	143.8658923
1.874	212.9	159.7144084	26.24	2.46	205	148.379085
1.68	217.1	167.8465446	26.32	1.944	212.8	159.540656
1.587	212.6	159.1957351	26.45	1.925	206.8	150.5689831
2.012	206.5	150.1891937	26.53	2.278	198.9	142.4158267
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1.958	227.4	194.7612235	26.56	2.452	222.8	181.9742025
1.522	202.4	145.5749597	26.61	1.937	197.4	141.262737
1.84	204.1	147.3618674	26.73	2.364	199	142.4968525
2.145	211.8	157.8499471	26.78	2.414	209.5	154.2689366
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2.232	223.6	184.3010071	26.81	2.606	218.2	170.2702897
2.12	223.4	183.7103804	26.8	2.48	221.5	178.3888034
2.068	235.1	174.1845669	26.76	2.639	230.6	185.2375331
2.048	213.4	160.5962459	26.74	2.441	210.3	155.4675767
1.697	222	179.7400211	26.84	2.455	215.7	164.946271
2.241	235.8	172.6759748	26.87	2.879	231.2	183.6169505
1.814	218.5	170.9545255	26.84	2.278	212.5	159.0245589
1.67	208.9	153.4015168	26.89	2.257	202.1	145.2773166
2.006	207.5	151.4788997	27.01	2.761	199.1	142.5784051
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2.29	203	146.1859844	27.47	2.643	197.3	141.1899582
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2.465	210.7	156.0853794	27.36	2.872	202.8	145.9799608
2.525	215.5	164.548069	27.22	3.294	207.4	151.3468538
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26.29	3.357	206.6	150.3151193	148.2523788	No
26.31	2.931	211.2	156.8753741	155.4141111	No
26.38	2.471	217.4	168.49455	160.2434485	No
26.5	2.376	210	155.0123664	155.4807297	No
26.55	2.839	205.7	149.2056183	144.9160233	No
26.59	2.696	219	172.1177686	170.403758	No
26.57	2.771	226.9	194.9814553	186.6136444	Yes
26.63	2.424	204.5	147.8077356	146.0706505	No
26.72	2.819	207.1	150.9548471	143.6356185	No
26.77	3.1	211.8	157.8499471	156.4640412	No
26.77	2.285	235.8	172.6759748	176.2714301	Yes
26.76	3.089	222.6	181.4071437	178.0914257	Yes
26.75	2.968	224.8	187.9748679	182.0088967	Yes
26.72	3.024	232.7	179.7716623	177.2936079	Yes
26.7	2.856	216.7	166.9973396	154.9949992	No
26.81	2.61	221.3	177.8577632	175.1098008	Yes
26.82	3.255	235.5	173.3161361	177.6353486	Yes
26.79	2.66	219.4	173.0693692	163.8211698	No
26.86	2.512	206.5	150.1891937	151.0833351	No
26.99	3.048	206.1	149.6921424	147.197876	No
26.97	3.401	214.9	163.3767931	157.595081	No
26.91	2.775	221.2	177.5942369	167.7728039	No
26.96	2.607	219.6	173.55231	172.6563902	No
27.07	2.612	205.2	148.6120398	146.074411	No
27.16	2.712	208.5	152.8379067	149.9846407	No
27.25	2.179	214.5	162.6150149	160.5001609	No
27.42	2.276	208.2	152.4227699	149.779353	No
27.43	3.383	203.8	147.0339187	144.7640477	No
27.4	2.716	224.8	187.9748679	179.923429	Yes
27.3	3.681	209.5	154.2689366	152.6918964	No
27.14	3.676	211.9	158.0152438	158.4121364	No
27.17	3.281	208	152.1495751	150.3441013	No
27.17	3.637	213.8	161.3176459	158.0401225	No
27.22	3.383	208.6	152.9777221	151.5620992	No
27.27	2.824	209.6	154.4161117	153.999284	No
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27.65	2.969	209.7	154.5640391	150.7225395	No
27.56	2.797	212.2	158.5161218	149.5408794	No
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27.48	2.295	216.9	167.4198452	167.8749998	No
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27.29	2.746	212.9	159.7144084	152.550797	No
27.22	2.567	217.7	169.1522337	162.16585	No
27.22	2.309	209.8	154.712722	153.3564173	No

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7/28/2019	10:31	27.79	0.65
7/28/2019	10:32	27.93	0.667
7/28/2019	10:33	28.14	0.574
7/28/2019	10:34	28.41	0.794
7/28/2019	10:35	28.6	0.703
7/28/2019	10:36	28.68	0.893
7/28/2019	10:37	28.69	0.773
7/28/2019	10:38	28.73	0.888
7/28/2019	10:39	28.75	0.7
7/28/2019	10:40	28.81	0.717
7/28/2019	10:41	28.92	0.733
7/28/2019	10:42	29.01	0.752
7/28/2019	10:43	29.13	0.832
7/28/2019	10:44	29.18	1.109
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7/28/2019	11:03	29.02	1.047
7/28/2019	11:04	29.05	0.808
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7/28/2019	11:06	29	1.034
7/28/2019	11:07	28.94	0.787
7/28/2019	11:08	29.15	0.701
7/28/2019	11:09	29.28	1.221
7/28/2019	11:10	29.4	0.928
7/28/2019	11:11	29.47	1.102
7/28/2019	11:12	29.32	0.896
7/28/2019	11:13	29.32	1.02
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207.5	151.4788997	29.23
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1.938	189.1
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1.676	221.8	179.1954466	27.43	2.239	217.2	168.0614801
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1.928	198.1	141.786421	28.28	2.535	194.3	139.23608
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1.919	198.3	141.9406579	28.22	2.604	192.3	138.1714606
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1.921	228.1	192.5433417	28.43	2.536	223.9	185.1983516
1.973	235.7	172.8883094	28.27	2.627	231.8	182.0442679
1.27	215.1	163.7633675	28.32	1.66	211.5	157.3589946
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2.705	200.5	143.7762629	28.46	3.245	190.8	137.4928614
2.139	191.5	137.796957	28.43	2.864	188.9	136.7766005
2.689	204	147.2519401	28.34	3.239	196.7	140.7638403
2.324	195.6	140.0289626	28.26	3.019	190.2	137.249547
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2.251	203.9	147.1426245	28.45	3.117	198.4	142.0185516
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2.321	201.2	144.4152874	28.69	3.084	196.9	140.9038772
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27.35	3.741	204.4	147.6953406	141.952992	No
27.33	3.083	221	177.0711342	176.9002753	Yes
27.39	2.559	221.2	177.5942369	175.9715776	Yes
27.47	2.483	217.3	168.2774801	161.3821971	No
27.59	2.184	216.6	166.7876462	165.7066978	No
27.82	1.987	211.8	157.8499471	150.330665	No
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28.12	2.403	212.9	159.7144084	161.2484221	No
28.14	2.704	211	156.5569873	155.5213727	No
28.08	2.382	225.8	191.2154206	176.3441348	Yes
28.13	2.681	231	184.1517432	189.9054452	Yes
28.09	2.799	211.3	157.0357721	157.6571013	No
28.12	2.057	215.9	165.3484246	160.3175135	No
28.2	2.46	210.6	155.9297559	158.3955696	No
28.27	2.795	203	146.1859844	142.9752094	No
28.32	2.899	203.7	146.9258206	145.7170359	No
28.32	3.324	197.6	141.4098131	141.4320424	No
28.17	3.802	199.5	142.9099119	143.4183962	No
28.11	3.26	209.7	154.5640391	148.6144659	No
28.16	3.17	201.7	144.8885107	143.6031683	No
28.16	3.91	196.9	140.9038772	138.817585	No
28.12	3.015	200.2	143.5106627	142.3924774	No
28.21	2.793	211.1	156.7157803	148.165505	No
28.23	2.69	218.3	170.4972397	158.4265702	No
28.28	2.949	227.9	193.1689136	181.7648522	Yes
28.1	2.964	234.9	174.6252563	175.4269097	Yes
28.19	1.878	214.5	162.6150149	160.0060627	No
28.35	2.014	224.6	187.3466876	181.9020571	Yes
28.43	2.356	219.6	173.55231	170.3286699	No
28.36	3.039	199.2	142.6604859	142.8761235	No
28.33	4.161	199.9	143.249962	145.986608	No
28.32	3.482	192.9	138.471433	138.3074109	No
28.23	4.087	203	146.1859844	145.0188138	No
28.17	3.522	197.5	141.3360215	138.3986301	No
28.22	2.847	201.9	145.0817692	143.6209585	No
28.36	3.696	204.1	147.3618674	145.2573037	No
28.37	3.103	204.1	147.3618674	145.9983801	No
28.36	3.597	213.9	161.5002424	157.8962056	No
28.29	3.442	226.3	192.9002508	182.8399462	Yes
28.28	2.607	214.8	163.184934	162.8896963	No
28.55	2.356	201.8	144.9848547	150.3344509	No
28.66	3.77	196.2	140.4224336	137.6679441	No
28.75	3.5	192.4	138.2203136	137.4723172	No
28.75	3.829	202.2	145.3759529	146.4182496	No
28.55	3.424	206.8	150.5689831	146.2232105	No
28.55	3.971	199.1	142.5784051	139.9879051	No
28.55	3.401	203.9	147.1426245	145.7151525	No
28.57	3.608	203.1	146.2898835	145.564159	No
28.56	3.741	214	161.6837458	157.0743138	No
28.55	3.459	208.8	153.2595242	153.6139799	No

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7/28/2019	11:36	29.42	0.666
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2.453	212.8	159.540656	29.14	3.08	206.5	150.1891937
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2.185	208	152.1495751	28.82	2.83	203.7	146.9258206
2.476	201.8	144.9848547	28.91	3.032	197.7	141.484113
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2.094	224.5	187.035022	29.05	2.8	221.8	179.1954466
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1.785	210.4	155.6208578	29.1	2.393	207.7	151.7450728
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1.567	234.4	175.7462142	29.2	2.013	230	186.9076557
1.799	225	188.6095808	29.3	2.449	221.5	178.3888034
2.421	216.8	167.2080708	29.15	3.153	211	156.5569873
1.711	215.1	163.7633675	29.16	2.236	209.9	154.8621634
2.586	207.4	151.3468538	29.16	3.226	199.9	143.249962
2.202	209	153.5442409	29.15	2.747	203.4	146.6051528
2.332	203.1	146.2898835	29.2	2.972	196.7	140.7638403
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1.949	208.4	152.6988115	28.96	2.693	204.8	148.1486618
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1.942	208	152.1495751	29.06	2.593	201.1	144.3223303
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1.724	214.3	162.2397397	29.1	2.251	209.6	154.4161117
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28.59	3.888	205.6	149.0856146	151.9865119	No
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28.53	3.705	215.9	165.3484246	161.4628256	No
28.5	3.587	212.2	158.5161218	158.7337187	No
28.56	3.085	208.2	152.4227699	150.3813387	No
28.56	3.836	218.5	170.9545255	168.7904292	No
28.45	3.439	222.6	181.4071437	177.1802943	Yes
28.5	3.347	227.1	195.6900033	183.3798658	Yes
28.52	3.376	220.5	175.7860767	175.1028843	Yes
28.62	2.48	222.2	180.290119	177.9458845	Yes
28.8	2.902	226.3	192.9002508	180.8993587	Yes
28.69	3.087	227.4	194.7612235	180.6480202	Yes
28.81	2.543	223	182.5470487	178.2709486	Yes
28.98	3.571	211.6	157.5218261	160.8993584	No
28.85	4.241	203.5	146.7114396	145.1781399	No
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28.9	3.282	227.5	194.4394783	179.7005496	Yes
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28.9	3.053	225.3	189.5740787	181.1497326	Yes
28.88	3.334	214.5	162.6150149	163.2148672	No
28.93	3.802	197.5	141.3360215	138.2432968	No
28.97	2.873	215	163.5696028	153.668404	No
29	3.676	235.9	172.4646859	172.320663	No
29.05	2.302	233	179.0364331	183.6756897	Yes
29.14	2.594	224	185.5005447	178.8471688	Yes
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29.04	2.693	214.6	162.8040494	157.3214281	No
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29.02	3.117	215.1	163.7633675	159.4332744	No
29	2.569	215.6	164.7466785	156.0510099	No
29.02	3.359	232.9	179.2802945	182.4274631	Yes

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216.1	165.7545685	30.07
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2.656	208	152.1495751	29.37	3.206	201.7	144.8885107
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2.266	204.2	147.4724086	29.27	3.383	199.3	142.7430964
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29.16	4.443	206.7	150.441715	151.7405519	No
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7/28/2019	14:47	31.77	0.968
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7/28/2019	14:49	31.65	1.197
7/28/2019	14:50	31.62	1.349
7/28/2019	14:51	31.56	1.113
7/28/2019	14:52	31.58	1.039
7/28/2019	14:53	31.61	0.855
7/28/2019	14:54	31.7	0.805
7/28/2019	14:55	31.65	0.623
7/28/2019	14:56	31.68	0.847
7/28/2019	14:57	31.46	1.048
7/28/2019	14:58	31.11	0.932
7/28/2019	14:59	31.25	0.88
7/28/2019	15:00	31.45	1.448
7/28/2019	15:01	31.45	1.243
7/28/2019	15:02	31.47	1.282
7/28/2019	15:03	31.44	1.565
7/28/2019	15:04	31.44	1.286
7/28/2019	15:05	31.39	1.028
7/28/2019	15:06	31.42	1.103
7/28/2019	15:07	31.42	1.288
7/28/2019	15:08	31.41	1.138
7/28/2019	15:09	31.51	0.906
7/28/2019	15:10	31.69	0.733
7/28/2019	15:11	31.74	1.033
7/28/2019	15:12	31.8	0.722
7/28/2019	15:13	31.91	1.017
7/28/2019	15:14	31.86	1.052
7/28/2019	15:15	31.69	1.135
7/28/2019	15:16	31.49	1.162
7/28/2019	15:17	31.28	1.134
7/28/2019	15:18	31.22	1.127
7/28/2019	15:19	31.15	1.037
7/28/2019	15:20	31.01	1.015
7/28/2019	15:21	31.02	0.703
7/28/2019	15:22	31.22	1.095
7/28/2019	15:23	31.34	1.165
7/28/2019	15:24	31.45	0.953
7/28/2019	15:25	31.5	1.666
7/28/2019	15:26	31.42	1.63
7/28/2019	15:27	31.3	1.248
7/28/2019	15:28	31.23	1.214
7/28/2019	15:29	31.23	1.093
7/28/2019	15:30	31.27	1.022
7/28/2019	15:31	31.34	1.182
7/28/2019	15:32	31.35	0.906

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190.9	137.5349652	31.49
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189.3	136.9142707	31.65
183.8	135.6191797	31.88
199.5	142.9099119	32.05
169.8	138.0276292	32.07
195.1	139.7144254	31.93
162.7	142.5784051	31.89
173.6	136.5523328	31.89
176.2	135.9024875	31.95
174.1	136.4050401	32.02
215	163.5696028	32.11
224	185.5005447	31.94
210.9	156.3989918	31.93
208.9	153.4015168	31.67
187.2	136.2684311	31.23
206	149.5695304	31.39
192.9	138.471433	31.65
194.9	139.5919783	31.7
201.2	144.4152874	31.72
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195	139.6529623	31.72
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219.1	172.3538995	32.08
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202.1	145.2773166	32.19
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216.1	165.7545685	31.33
219.7	173.7955882	31.16
203.6	146.8183282	31.13
171.7	137.21054	31.43
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181.2	135.4473567	31.82
191.6	137.8421902	31.89
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192.3	138.1714606	31.65
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208.3	152.5604335	31.6
200.5	143.7762629	31.57

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1.665	183.5
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2.519	189
2.293	195.1
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2.37	176.9
2.399	188.6
2.194	194.1
2.364	183.7
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2.171	170
1.977	166.6
2.14	179.4
2.584	181.8
2.797	179.9
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2.368	197
2.177	194
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140.0933217	31.47
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149.6921424	30.76
163.9580918	30.67
149.8154124	30.74
137.9340071	30.99
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140.9746448	30.91
139.0645196	30.91
155.4675767	30.94
145.3759529	31.06
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2.388	196	140.2893212	30.66	3.209	192.1	138.0751192
1.949	189.8	137.0961561	30.76	2.407	186.9	136.1915717
2.029	183.5	135.5850754	30.97	2.305	179.5	135.4859439
2.445	198.8	142.3353263	31.08	2.66	192.7	138.3696112
2.434	180.8	135.4457063	31.06	2.997	175.4	136.0719483
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2.523	169.7	138.0751192	30.86	3.134	167.8	139.0645196
2.523	175.9	135.9628798	30.86	2.931	172.4	136.949775
2.337	178.2	135.5960285	30.94	2.618	173	136.743267
2.176	182.2	135.4803714	30.98	2.751	178	135.6191797
1.988	213.4	160.5962459	31.03	2.316	205.7	149.2056183
1.884	214.3	162.2397397	30.96	2.321	210.8	156.2417902
2.26	211.7	157.6854758	30.98	2.837	202.7	145.8778326
2.472	205.7	149.2056183	30.76	3.044	200.3	143.5986496
2.222	189.6	137.0220917	30.46	2.74	186.4	136.0719483
2.225	208.1	152.2858181	30.7	2.689	199.7	143.0788632
2.802	192.7	138.3696112	30.91	3.44	187.1	136.2423866
2.709	199.8	143.1641434	30.79	3.234	194.4	139.2942101
2.843	197.4	141.262737	30.75	3.44	190.2	137.249547
2.958	185	135.7930238	30.76	3.49	176.9	135.7762441
2.807	196.4	140.557513	30.84	3.389	188.2	136.5523328
2.347	195.8	140.1581671	30.74	2.945	191.3	137.7078372
2.917	190.7	137.4512019	30.77	3.394	183.7	135.6073966
2.831	186.1	136.0052434	30.78	3.677	181.2	135.4473567
2.487	180.7	135.4463252	30.85	3.09	174.4	136.3217962
1.966	189.3	136.9142707	30.98	2.332	184.4	135.6986053
1.859	210.8	156.2417902	31.19	2.231	205.5	148.9662571
2.334	207	150.8255466	31.19	3.302	200.8	144.0468045
1.871	199.4	142.8262379	31.14	2.232	191.9	137.9805921
2.387	198.9	142.4158267	31.21	2.887	193.3	138.6806025
2.423	205.1	148.4952449	31.11	2.856	200.1	143.4232201
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2.708	212.1	158.3483275	30.55	3.57	203.9	147.1426245
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1.815	210.3	155.4675767	30.55	2.227	205.9	149.4475739
2.332	175.2	136.1185285	30.83	3.196	168.6	138.6276173
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2.648	186.3	136.0492916	31.03	3.335	181.5	135.452927
3.117	186.8	136.1668004	31.04	3.713	179.6	135.4803714
3.355	183.6	135.5960285	30.93	4.093	177.6	135.6704665
2.849	192.3	138.1714606	30.75	3.724	187.1	136.2423866
2.879	203.8	147.0339187	30.67	3.413	197.4	141.262737
2.577	201.6	144.7927354	30.67	3.292	196.2	140.4224336
2.154	214.1	161.8681603	30.72	2.876	209.4	154.1225109
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30.46	3.844	198.9	142.4158267	139.1684033	No
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30.63	2.912	192.1	138.0751192	136.6309487	No
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30.74	3.513	174.8	136.2167669	139.8892092	No
30.71	3.641	179.3	135.4983288	136.8970126	No
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30.81	2.654	214.8	163.184934	165.7516584	No
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30.64	3.199	207.1	150.9548471	148.0465379	No
30.82	3.985	195	139.6529623	137.4734495	No
30.68	3.908	201.5	144.6975271	140.4411893	No
30.65	4.22	196.9	140.9038772	140.0442796	No
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30.76	4.061	195	139.6529623	139.6213175	No
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30.68	4.184	190.6	137.4099861	137.0797394	No
30.7	4.248	187.2	136.2684311	135.7787649	No
30.76	3.653	181.7	135.458704	135.8562862	No
30.88	2.954	189.8	137.0961561	137.4664677	No
31.07	2.698	210.3	155.4675767	158.2192542	No
31.05	3.635	207.3	151.2154981	149.2200393	No
31.01	2.517	199.3	142.7430964	139.8790988	No
31.09	3.354	197.5	141.3360215	141.6167669	No
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7/28/2019	15:37	31.32	1.249
7/28/2019	15:38	31.33	1.219
7/28/2019	15:39	31.2	1.062
7/28/2019	15:40	31.09	1.328
7/28/2019	15:41	31.11	1.073
7/28/2019	15:42	31.08	1.107
7/28/2019	15:43	30.93	1.557
7/28/2019	15:44	30.83	0.998
7/28/2019	15:45	30.78	1.125
7/28/2019	15:46	30.74	0.935
7/28/2019	15:47	30.52	1.143
7/28/2019	15:48	30.37	1.065
7/28/2019	15:49	30.51	0.969
7/28/2019	15:50	30.74	1.065
7/28/2019	15:51	30.9	1.124
7/28/2019	15:52	30.99	1.179
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7/28/2019	15:54	31.19	0.814
7/28/2019	15:55	31.25	1.263
7/28/2019	15:56	31.21	1.209
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7/28/2019	15:58	31.1	1.115
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7/28/2019	16:04	30.91	0.861
7/28/2019	16:05	31	1.123
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7/28/2019	16:13	30.74	1.298
7/28/2019	16:14	30.6	1.336
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159.3	145.6753339	31.72
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135.4556091	30.9
135.5454083	30.78
135.4661321	30.81
135.6073966	30.82
137.0589052	30.95
135.5850754	30.97
136.3491176	31.04
138.5750946	31.1
140.1581671	31.04
141.9406579	30.96
147.8077356	30.91
147.3618674	30.77
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136.1185285	30.5
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137.8421902	30.25
136.2423866	30.2
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135.4455	30.31
135.9838512	30.35
135.6570213	30.4
135.4704656	30.38

2.992	209.3	153.9768314	30.87	3.773	203.1	146.2898835
3.055	207.1	150.9548471	30.71	3.553	199.1	142.5784051
1.956	198.6	142.1758963	30.64	2.754	192.8	138.4202926
2.471	193.9	139.008273	30.72	3.189	185.6	135.9024875
2.98	190.6	137.4099861	30.83	3.343	183.2	135.5547035
2.62	209	153.5442409	30.85	3.31	203.5	146.7114396
2.5	213.4	160.5962459	30.74	3.386	207.1	150.9548471
2.961	205.3	148.729472	30.6	3.555	197	140.9746448
2.197	195.3	139.8387928	30.61	2.599	189.3	136.9142707
2.824	203.1	146.2898835	30.57	3.637	196.5	140.6257933
3.089	204.3	147.5835656	30.42	3.725	198.8	142.3353263
2.529	209	153.5442409	30.38	3.455	200.7	143.9560723
2.607	204.5	147.8077356	30.36	3.242	198.9	142.4158267
2.619	213.3	160.4181218	30.32	3.158	207.2	151.0848301
2.99	216.3	166.1647422	30.14	3.507	207.7	151.7450728
2.358	196	140.2893212	30.04	2.938	189	136.810367
2.354	195	139.6529623	30.22	2.878	187.2	136.2684311
2.543	202.2	145.3759529	30.48	3.107	194.2	139.1784222
2.744	203.7	146.9258206	30.59	3.549	194.7	139.4714437
2.793	198.7	142.25535	30.63	3.289	191.4	137.7521729
2.309	189.7	137.0589052	30.71	2.801	183.4	135.5745369
1.99	190.9	137.5349652	30.83	2.63	182.8	135.5200067
2.596	188.7	136.7103661	30.86	3.418	181.5	135.452927
2.695	169.9	137.9805921	30.85	3.487	164.4	141.262737
2.589	183.1	135.5454083	30.75	3.289	178	135.6191797
2.555	195.1	139.7144254	30.71	3.334	188	136.4921301
2.525	194.1	139.1212357	30.73	2.845	187.5	136.3491176
3.3	190.3	137.2889944	30.74	4.071	183.5	135.5850754
3.193	187.9	136.4626721	30.65	3.937	181	135.4457063
2.437	187.8	136.4336422	30.52	3.142	182.3	135.4859439
2.576	185.3	135.8458714	30.57	3.338	177.5	135.6843278
2.164	187.8	136.4336422	30.58	2.604	183	135.5365272
2.582	180	135.4622116	30.69	2.962	174	136.4336422
2.345	182.5	135.4983288	30.69	2.954	175.8	135.9838512
2.202	191.1	137.6205085	30.76	2.933	185	135.7930238
2.563	194.6	139.411891	30.8	3.135	189	136.810367
2.544	201.3	144.5088047	30.73	3.368	192.3	138.1714606
2.228	203.7	146.9258206	30.64	2.546	197.9	141.6342428
2.076	204.7	148.034394	30.6	2.595	199.8	143.1641434
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3.237	193.2	138.6276173	30.37	3.741	184.7	135.7439374
2.756	180.8	135.4457063	30.28	3.596	174.6	136.2684311
2.701	188.6	136.6778973	30.18	2.913	184.7	135.7439374
2.22	195.9	140.2234999	30.03	2.921	188.8	136.743267
2.534	194.1	139.1212357	30.02	3.312	186	135.9838512
2.029	188.7	136.7103661	30.04	2.494	184.2	135.6704665
2.549	185	135.7930238	30.12	3.421	174.8	136.2167669
2.445	187.2	136.2684311	30.13	3.193	181	135.4457063
1.976	186.8	136.1668004	30.15	2.732	182.7	135.5123672
2.502	189.2	136.8792016	30.18	2.925	181.4	135.4506575
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30.62	4.252	207.1	150.9548471	146.6511907	No
30.58	3.072	197.4	141.262737	143.0942733	No
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30.06	3.541	197.7	141.484113	140.8137704	No
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30.48	3.698	202.4	145.5749597	142.4764258	No
30.57	3.947	201.5	144.6975271	143.5057923	No
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7/28/2019	16:25	30.38	1.128
7/28/2019	16:26	30.51	0.986
7/28/2019	16:27	30.68	0.933
7/28/2019	16:28	30.81	1.298
7/28/2019	16:29	30.89	1.005
7/28/2019	16:30	30.99	1.26
7/28/2019	16:31	31.04	0.984
7/28/2019	16:32	31.09	0.763
7/28/2019	16:33	31.17	1.21
7/28/2019	16:34	31.12	1.333
7/28/2019	16:35	31.02	1.642
7/28/2019	16:36	30.93	1.111
7/28/2019	16:37	30.86	1.302
7/28/2019	16:38	30.75	1.151
7/28/2019	16:39	30.69	1.57
7/28/2019	16:40	30.63	1.238
7/28/2019	16:41	30.6	1.288
7/28/2019	16:42	30.55	1.256
7/28/2019	16:43	30.54	1.4
7/28/2019	16:44	30.46	1.117
7/28/2019	16:45	30.45	1.188
7/28/2019	16:46	30.47	1.074
7/28/2019	16:47	30.53	0.903
7/28/2019	16:48	30.69	0.782
7/28/2019	16:49	30.89	0.813
7/28/2019	16:50	31.06	0.848
7/28/2019	16:51	31.19	1.073
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7/28/2019	16:57	30.83	1.313
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7/28/2019	16:59	30.39	0.98
7/28/2019	17:00	30.16	1.288
7/28/2019	17:01	30.06	1.123
7/28/2019	17:02	30.06	1.318
7/28/2019	17:03	30.17	1.068
7/28/2019	17:04	30.38	0.77
7/28/2019	17:05	30.61	1.172
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7/28/2019	17:11	31.37	0.999
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194.9	139.5919783	31.3
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189.1	136.8445673	31.86
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191.3	137.7078372	30.93
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191.6	137.8421902	30.47
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189.1	136.8445673	31.58
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2.218	184.2
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2.391	183.5
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2.466	182.6
2.232	185.6
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2.433	185.1	135.8102214	30.2	3.171	180	135.4622116
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2.187	195.2	139.7763685	30.5	2.785	188.6	136.6778973
2.147	202.9	146.0826775	30.64	2.601	195.5	139.9650888
2.692	201.9	145.0817692	30.71	3.14	192.6	138.3193881
2.249	197.6	141.4098131	30.73	2.872	191.5	137.796957
2.479	202.1	145.2773166	30.81	2.848	194.6	139.411891
2.131	199.4	142.8262379	30.81	2.868	192.5	138.2696225
1.818	199.3	142.7430964	30.85	2.365	190.3	137.2889944
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3.204	182.4	135.4919297	30.75	3.705	176.1	135.9221983
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2.466	190.6	137.4099861	30.63	3.297	183.2	135.5547035
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3.234	182.2	135.4803714	30.5	3.674	177.2	135.7284098
2.523	182.6	135.5051412	30.49	2.795	177.9	135.6313781
2.853	191.3	137.7078372	30.47	3.578	182	135.4704656
2.386	189.3	136.9142707	30.46	3.042	180.7	135.4463252
2.882	185.5	135.8831963	30.46	3.478	179.8	135.4704656
2.536	189.7	137.0589052	30.37	3.229	182.3	135.4859439
2.91	187.4	136.3217962	30.39	3.701	180.7	135.4463252
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2.018	194.6	139.411891	30.49	2.366	186.7	136.1424529
1.733	194.5	139.3528135	30.65	2.064	188.1	136.5220169
1.925	188.5	136.6458601	30.91	2.214	179.7	135.475212
1.993	182.2	135.4803714	31.07	2.644	176.2	135.9024875
2.266	189.8	137.0961561	31.14	2.717	185.7	135.9221983
2.54	215.4	164.3504379	30.91	3.354	207.6	151.6116385
2.261	209.1	153.6876994	30.76	2.822	198.5	142.096964
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2.317	200.5	143.7762629	30.65	2.913	193.9	139.008273
2.723	203.2	146.3943767	30.6	3.046	196.1	140.355632
2.71	206.5	150.1891937	30.51	3.467	198.8	142.3353263
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2.86	204.4	147.6953406	29.94	3.821	194.3	139.23608
2.435	188.7	136.7103661	29.92	3.397	184.4	135.6986053
2.62	186.7	136.1424529	29.95	3.17	181.3	135.4488008
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2.276	173	136.743267	30.59	2.433	168	138.952495
2.234	183.4	135.5745369	30.77	2.754	177.9	135.6313781
2.339	183.7	135.6073966	30.88	2.868	177.3	135.7132992
2.347	193.3	138.6806025	30.91	3.164	186.5	136.0950271
2.388	200.9	144.1380905	30.9	2.905	191.4	137.7521729
2.217	187.5	136.3491176	30.98	2.649	180.4	135.4506575
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2.329	188.2	136.5523328	31.01	2.589	182.4	135.4919297
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30.68	2.521	196.5	140.6257933	137.8606049	No
30.9	2.659	188.5	136.6458601	135.7816083	No
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30.86	3.831	215	163.5696028	159.5253844	No
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30.41	3.633	191.9	137.9805921	136.7991864	No
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1.461	204.4
1.357	186.9
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2.157	185.2
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194.7	139.4714437	28.93
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188.8	136.743267	30.44
189.6	137.0220917	30.52
188.6	136.6778973	30.47
174.4	136.3217962	30.36
192.9	138.471433	30.24
171.8	137.171973	30.24
175.1	136.1424529	30.29
185.8	135.9423289	30.32
178.4	135.5745369	30.29
186.3	136.0492916	30.12
182.1	135.475212	29.98
177	135.759882	29.95
176.2	135.9024875	29.93
182.9	135.52806	29.95
189.2	136.8792016	29.92
185.8	135.9423289	29.78
189.6	137.0220917	29.63
182.3	135.4859439	29.47
200	143.3363204	29.35
185.2	135.8278372	29.25
192.3	138.1714606	29.18
178.9	135.52806	29.12
182.8	135.5200067	29.14
191.1	137.6205085	29.23

1.38	195
1.95	203.1
1.47	192.7
1.286	197.4
1.249	196.8
1.744	193.2
1.444	200
1.427	203.6
1.319	213.5
1.134	199.4
0.949	192.8
0.995	200.3
1.17	197.3
1.403	197.5
0.984	200.6
1.084	203
0.819	193.9
0.811	194
1.037	198.9
0.941	191.7
0.786	181.4
0.701	179.7
0.921	181.4
0.855	177.8
0.998	183.2
1.19	176.6
0.97	185.8
0.874	186.5
0.915	185
1.114	181.2
1.195	183.7
1.253	180.8
0.796	168.3
0.802	169.5
0.92	173.4
1.124	173.5
1.289	177.5
0.773	177.4
1.045	172.3
0.919	171.6
0.794	180
1.182	181.4
1.298	181.6
1.339	182.2
1.083	177.5
1.212	179.5
1.007	177.2
1.113	179.4
0.922	177.2
0.891	176.9
0.69	178.5

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146.2898835	30.45
138.3696112	30.27
141.262737	30.24
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146.8183282	30.33
160.7752562	30.35
142.8262379	30.38
138.4202926	30.33
143.5986496	30.15
141.1899582	29.91
141.3360215	29.72
143.8658923	29.52
146.1859844	29.33
139.008273	29.18
139.0645196	29.02
142.4158267	28.88
137.8878733	28.8
135.4506575	28.72
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135.4506575	28.7
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135.9423289	29.71
136.0950271	29.86
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135.4457063	29.69
138.7879636	29.67
138.1714606	29.67
136.6142539	29.66
136.5830783	29.61
135.6843278	29.51
135.6986053	29.42
136.9857152	29.37
137.249547	29.34
135.4622116	29.32
135.4506575	29.29
135.4556091	29.21
135.4803714	29.1
135.6843278	29
135.4859439	28.92
135.7284098	28.84
135.4919297	28.79
135.7284098	28.74
135.7762441	28.74
135.564413	28.79

1.909	195.1	139.7144254	30.27	2.379	187.7	136.4050401
2.374	205.5	148.9662571	30.21	3.051	198.4	142.0185516
1.767	199.4	142.8262379	30.04	2.238	192.6	138.3193881
1.647	200.7	143.9560723	30	2.062	193.3	138.6806025
1.625	200	143.3363204	30.05	2.039	191.9	137.9805921
2.047	198	141.7100752	30.13	2.653	189	136.810367
1.962	203.4	146.6051528	30.13	2.373	196.4	140.557513
1.907	205.4	148.8475437	30.07	2.294	196	140.2893212
1.683	216.3	166.1647422	30.08	2.025	206.2	149.8154124
1.505	204.5	147.8077356	30.13	1.688	195.1	139.7144254
1.257	201.3	144.5088047	30.06	1.487	194.9	139.5919783
1.358	201.1	144.3223303	29.88	1.574	198.3	141.9406579
1.357	204.9	148.2635581	29.67	1.749	198.5	142.096964
1.709	203.9	147.1426245	29.54	1.942	195.1	139.7144254
1.313	205.1	148.4952449	29.36	1.432	198.6	142.1758963
1.371	210.4	155.6208578	29.18	1.448	202.3	145.4751667
0.943	202.1	145.2773166	29.05	1.116	196	140.2893212
0.954	202	145.1792559	28.87	1.072	195	139.6529623
1.139	209.5	154.2689366	28.78	1.524	198.7	142.25535
1.014	202	145.1792559	28.73	1.246	193.9	139.008273
0.838	194.6	139.411891	28.66	1.033	187.3	136.2949008
0.7	189.6	137.0220917	28.62	0.958	180.2	135.4556091
0.857	188.5	136.6458601	28.65	1.212	180.8	135.4457063
0.895	183.6	135.5960285	28.78	1.232	181.5	135.452927
1.3	187.3	136.2949008	29.07	1.467	181.4	135.4506575
1.429	187.9	136.4626721	29.35	1.689	178.5	135.564413
1.15	189.6	137.0220917	29.54	1.503	183.3	135.564413
1.352	189.9	137.1338452	29.65	1.427	183.3	135.564413
1.118	192.7	138.3696112	29.67	1.324	185.3	135.8458714
1.3	189.3	136.9142707	29.62	1.614	183.5	135.5850754
1.413	187.6	136.3768654	29.53	1.622	179.6	135.4803714
1.361	188	136.4921301	29.48	1.755	181.2	135.4473567
1.073	178.2	135.5960285	29.46	1.221	173.2	136.6778973
0.921	174.4	136.3217962	29.44	1.121	167.3	139.3528135
0.956	177.1	135.7439374	29.41	1.264	172.5	136.9142707
1.281	180.8	135.4457063	29.36	1.503	174.4	136.3217962
1.523	189	136.810367	29.27	1.77	179.8	135.4704656
0.972	183.5	135.5850754	29.18	1.168	176.9	135.7762441
1.045	181.7	135.458704	29.13	1.444	171.9	137.1338452
0.845	178.2	135.5960285	29.13	1.185	172.1	137.0589052
0.916	182.3	135.4859439	29.09	1.034	177.4	135.6986053
1.333	190.9	137.5349652	29.05	1.605	181.8	135.4622116
1.408	189.2	136.8792016	29	1.74	180.8	135.4457063
1.337	189.7	137.0589052	28.91	1.813	182.6	135.5051412
1.112	182.3	135.4859439	28.84	1.376	177.6	135.6704665
1.135	189.3	136.9142707	28.77	1.623	180.1	135.458704
0.952	185	135.7930238	28.7	1.32	177.8	135.6439919
0.97	189.7	137.0589052	28.65	1.405	179.3	135.4983288
0.791	181.3	135.4488008	28.61	1.112	178.1	135.6073966
0.758	184.3	135.6843278	28.59	1.075	177.3	135.7132992
0.741	185.1	135.8102214	28.62	0.91	178.8	135.5365272

30.36	2.872	194.1	139.1212357	138.7092369	No
30.3	3.48	205.6	149.0856146	147.2884744	No
30.17	2.608	199.2	142.6604859	140.9593919	No
30.12	2.473	197.5	141.3360215	142.3188412	No
30.17	2.404	199.2	142.6604859	142.6614417	No
30.25	3.048	197.2	141.1176841	139.0251387	No
30.24	2.725	201.7	144.8885107	146.0108068	No
30.18	2.729	203.5	146.7114396	144.932864	No
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30.24	1.976	203.2	146.3943767	144.7401097	No
30.18	1.76	202.6	145.7762909	141.2748702	No
29.99	1.94	203.3	146.4994658	145.2041212	No
29.79	1.913	204.3	147.5835656	144.9247855	No
29.66	2.369	204.1	147.3618674	143.517726	No
29.48	1.887	206.9	150.6969261	146.2446871	No
29.32	1.97	211.7	157.6854758	154.9089771	No
29.22	1.426	205.3	148.729472	142.1554288	No
29.04	1.464	203.3	146.4994658	141.3452127	No
28.97	1.805	206.9	150.6969261	148.1210885	No
28.95	1.56	204.9	148.2635581	140.8898788	No
28.89	1.403	195.6	140.0289626	136.849959	No
28.88	1.147	191.6	137.8421902	135.8628104	No
28.92	1.283	187.7	136.4050401	136.7534169	No
29.06	1.422	194.7	139.4714437	135.5364686	No
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29.87	1.838	194	139.0645196	136.3841381	No
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29.68	1.505	181	135.4457063	137.0584656	No
29.65	1.358	177	135.759882	137.4971308	No
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29.36	1.539	186.6	136.1185285	135.6337842	No
29.33	1.524	183	135.5365272	136.3345366	No
29.32	1.277	178.2	135.5960285	136.451742	No
29.28	1.459	184.6	135.7284098	135.5437052	No
29.25	1.909	189.1	136.8445673	136.331759	No
29.21	2.097	189.6	137.0220917	135.9307115	No
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28.82	1.409	185.8	135.9423289	135.5781668	No
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28.86	1.128	185.1	135.8102214	136.1329175	No

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7/28/2019	19:08	29.67	0.574
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7/28/2019	19:10	29.69	0.428
7/28/2019	19:11	29.69	0.557
7/28/2019	19:12	29.69	0.467
7/28/2019	19:13	29.65	0.622
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7/28/2019	19:17	29.52	0.451
7/28/2019	19:18	29.5	0.43
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7/28/2019	19:23	28.74	0.446
7/28/2019	19:24	28.55	0.362
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7/28/2019	19:33	27.36	0.25
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7/28/2019	19:38	27.14	0.249
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188.3	136.5830783	29.53
187.1	136.2423866	29.73
187.7	136.4050401	29.92
170.6	137.6639493	30.14
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168.3	138.7879636	30.73
179.8	135.4704656	31.01
173.8	136.4921301	31.2
178.3	135.5850754	31.4
182.3	135.4859439	31.52
181.1	135.4463252	31.59
177.3	135.7132992	31.56
176.9	135.7762441	31.59
181.5	135.452927	31.6
167.2	139.411891	31.63
165.6	140.4224336	31.61
168.3	138.7879636	31.52
177.4	135.6986053	31.47
171.6	137.249547	31.41
175.7	136.0052434	31.37
180.6	135.4473567	31.31
166.1	140.0933217	31.25
170.9	137.5349652	30.93
178.3	135.5850754	30.56
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166.5	139.8387928	29.78
181.4	135.4506575	29.43
178.8	135.5365272	29.14
177.7	135.6570213	28.89
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186.3	136.0492916	28.44
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172.7	136.8445673	27.94
177	135.759882	27.81
183.7	135.6073966	27.67
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179.4	135.4919297	27.58
167.7	139.1212357	27.66
170.7	137.6205085	27.79
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161.7	143.4232201	28.19
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167.3	139.3528135	28.3
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0.727	166.6
0.758	162.2
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0.922	167.6
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0.85	163.1
0.785	157.3
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0.914	154.4
0.976	161.6
0.909	160.7
0.987	167.1
0.832	166.1
0.78	161.4
1.013	166.2
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1	167.1
0.979	166.9
0.993	168.3
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0.85	173.4
0.791	173.3
0.697	168.8
0.81	169.9
0.695	172.4
0.71	169.8
0.872	169.6
0.873	172.6
0.755	166.4
0.688	169.1
0.655	167.7
0.657	170.3
0.587	162.7
0.649	161.8
0.66	164.5
0.564	163.5
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0.916	181.2	135.4473567	28.69	1.027	174.6	136.2684311
1.068	184.9	135.7762441	28.82	1.163	174.4	136.3217962
0.812	180.2	135.4556091	28.96	1.204	175.2	136.1185285
0.891	182.2	135.4803714	29.09	1.024	172.4	136.949775
0.736	172	137.0961561	29.23	0.937	168.8	138.5230334
0.764	176.3	135.8831963	29.38	0.987	170.3	137.796957
0.829	166.4	139.9016992	29.54	0.966	163.1	142.25535
0.943	173.8	136.4921301	29.68	1.155	167.7	139.1212357
1.016	174.1	136.4050401	29.77	1.098	168.7	138.5750946
0.946	173.7	136.5220169	29.88	1.107	168.5	138.6806025
1.129	171.2	137.4099861	29.92	1.334	164.6	141.1176841
1.179	173.9	136.4626721	29.92	1.447	169.2	138.3193881
1.137	171.3	137.3692134	29.91	1.343	166.9	139.5919783
1.014	173.7	136.5220169	29.89	1.31	166.9	139.5919783
1.008	172.6	136.8792016	29.87	1.295	165.4	140.557513
0.955	167.1	139.4714437	29.88	1.141	162.6	142.6604859
1.167	167.7	139.1212357	29.82	1.474	160.7	144.3223303
1.04	166.6	139.7763685	29.79	1.371	162.2	142.9941199
1.113	170.4	137.7521729	29.74	1.462	163.6	141.8632814
1.185	172.7	136.8445673	29.74	1.351	165.2	140.6945686
1.196	173.4	136.6142539	29.74	1.417	167.2	139.411891
1.047	168.5	138.6806025	29.69	1.22	166.1	140.0933217
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1.011	167.3	139.3528135	29.41	1.368	166.1	140.0933217
0.858	168.2	138.8423412	29.17	1.194	162.4	142.8262379
0.894	169.7	138.0751192	28.91	1.266	164.2	141.4098131
1.048	167.4	139.2942101	28.68	1.225	162.8	142.4968525
0.933	173	136.743267	28.49	1.273	167.4	139.2942101
0.88	175	136.1668004	28.34	1.209	169.7	138.0751192
0.838	178	135.6191797	28.21	1.037	173.1	136.7103661
0.728	184.9	135.7762441	28.07	1.028	176.8	135.7930238
0.838	180.1	135.458704	27.93	1.16	172.8	136.810367
0.757	179.5	135.4859439	27.82	1.059	171.7	137.21054
0.765	172	137.0961561	27.71	0.974	167.1	139.4714437
0.757	172.8	136.810367	27.6	1.083	167.1	139.4714437
0.735	179.1	135.5123672	27.49	1.01	172.3	136.9857152
0.666	176.7	135.8102214	27.38	0.957	171.3	137.3692134
0.863	173.3	136.6458601	27.31	1.149	169	138.4202926
0.797	174.5	136.2949008	27.32	1.213	168.8	138.5230334
0.839	172.9	136.7766005	27.34	1.007	167.1	139.4714437
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0.66	168.5	138.6806025	27.43	0.847	164.9	140.9038772
0.66	172.9	136.7766005	27.46	0.867	165.5	140.4897269
0.679	163.2	142.1758963	27.48	0.855	157.5	147.5835656
0.678	163.4	142.0185516	27.45	0.847	159.1	145.8778326
0.645	164	141.5589225	27.42	0.865	158.8	146.1859844
0.626	163.9	141.6342428	27.39	0.803	158.9	146.0826775
0.582	167	139.5314724	27.36	0.865	160.6	144.4152874
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0.428	174.3	136.3491176	27.32	0.62	165.1	140.7638403
0.428	169.2	138.3193881	27.31	0.547	163.5	141.9406579

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29.06	1.572	183.6	135.5960285	136.5646581	No
29.21	1.253	183.7	135.6073966	135.9897443	No
29.33	1.193	183	135.5365272	136.3393009	No
29.47	1.134	175.7	136.0052434	138.0042975	No
29.61	1.114	177.5	135.6843278	137.4845682	No
29.77	1.216	171.4	137.328883	141.3634544	No
29.88	1.43	176.7	135.8102214	137.2778652	No
29.94	1.415	174.5	136.2949008	137.8121584	No
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30.08	1.558	171.3	137.3692134	139.3374836	No
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29.97	1.685	169	138.4202926	143.0903111	No
29.92	1.566	169.3	138.2696225	143.2263265	No
29.88	1.609	172.4	136.949775	139.7061806	No
29.9	1.559	173.9	136.4626721	139.7777533	No
29.91	1.721	174.5	136.2949008	137.875708	No
29.89	1.621	174.5	136.2949008	138.5786506	No
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28.97	1.456	171.1	137.4512019	138.6960533	No
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28.55	1.502	174.9	136.1915717	137.5690246	No
28.43	1.44	178.4	135.5745369	136.6644121	No
28.33	1.354	181.6	135.4556091	136.0908581	No
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27.85	1.358	175.7	136.0052434	137.7252137	No
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27.71	1.067	169.2	138.3193881	143.9402718	No
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27.58	1.092	167.9	139.008273	143.5415957	No
27.54	1.069	170.2	137.8421902	141.6917236	No
27.51	0.868	170.9	137.5349652	139.4214428	No
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7/28/2019	19:54	26.78	0.158
7/28/2019	19:55	26.74	0.167
7/28/2019	19:56	26.69	0.182
7/28/2019	19:57	26.64	0.194
7/28/2019	19:58	26.58	0.166
7/28/2019	19:59	26.5	0.171
7/28/2019	20:00	26.41	0.126
7/28/2019	20:01	26.3	0.178
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7/28/2019	20:07	25.61	0.221
7/28/2019	20:08	25.5	0.197
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7/28/2019	20:10	25.34	0.183
7/28/2019	20:11	25.27	0.222
7/28/2019	20:12	25.2	0.191
7/28/2019	20:13	25.13	0.235
7/28/2019	20:14	25.07	0.268
7/28/2019	20:15	25.01	0.26
7/28/2019	20:16	24.94	0.303
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7/28/2019	20:19	24.73	0.351
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7/28/2019	20:22	24.54	0.369
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7/28/2019	20:26	24.33	0.321
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7/28/2019	20:35	23.77	0.177
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0.304	173.1
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0.687	171.8	137.171973	24.83	0.863	162.7	142.5784051
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26.39	0.618	174.1	136.4050401	145.4870221	No
26.28	0.651	168.4	138.734051	159.4452297	No
26.19	0.744	165.6	140.4224336	164.8835636	No
26.1	0.77	162.8	142.4968525	166.5545974	No
26.01	0.769	160.7	144.3223303	163.5761177	No
25.91	0.733	160.1	144.8885107	154.5619794	No
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7/28/2019	20:51	23.04	0.342
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7/28/2019	20:53	22.98	0.283
7/28/2019	20:54	22.95	0.215
7/28/2019	20:55	22.91	0.228
7/28/2019	20:56	22.88	0.231
7/28/2019	20:57	22.84	0.221
7/28/2019	20:58	22.81	0.232
7/28/2019	20:59	22.78	0.263
7/28/2019	21:00	22.75	0.258
7/28/2019	21:01	22.72	0.247
7/28/2019	21:02	22.7	0.231
7/28/2019	21:03	22.69	0.326
7/28/2019	21:04	22.67	0.227
7/28/2019	21:05	22.65	0.223
7/28/2019	21:06	22.64	0.233
7/28/2019	21:07	22.62	0.273
7/28/2019	21:08	22.61	0.218
7/28/2019	21:09	22.59	0.254
7/28/2019	21:10	22.58	0.273
7/28/2019	21:11	22.57	0.27
7/28/2019	21:12	22.56	0.336
7/28/2019	21:13	22.56	0.282
7/28/2019	21:14	22.56	0.301
7/28/2019	21:15	22.57	0.292
7/28/2019	21:16	22.57	0.326
7/28/2019	21:17	22.58	0.384
7/28/2019	21:18	22.59	0.348
7/28/2019	21:19	22.6	0.469
7/28/2019	21:20	22.61	0.473
7/28/2019	21:21	22.62	0.514
7/28/2019	21:22	22.62	0.277
7/28/2019	21:23	22.62	0.433
7/28/2019	21:24	22.61	0.372
7/28/2019	21:25	22.61	0.358
7/28/2019	21:26	22.59	0.288
7/28/2019	21:27	22.57	0.278
7/28/2019	21:28	22.55	0.316
7/28/2019	21:29	22.53	0.297

161.3	143.7762629	23.48
164.2	141.4098131	23.41
169.1	138.3696112	23.35
172	137.0961561	23.3
165.2	140.6945686	23.24
169.3	138.2696225	23.19
162.1	143.0788632	23.15
165.9	140.2234999	23.1
163.8	141.7100752	23.06
167.8	139.0645196	23.03
167.7	139.1212357	23
178	135.6191797	22.97
177.8	135.6439919	22.95
176.5	135.8458714	22.92
188.7	136.7103661	22.89
196	140.2893212	22.86
192.4	138.2203136	22.83
183	135.5365272	22.8
171.6	137.249547	22.77
178.7	135.5454083	22.73
170.1	137.8878733	22.7
180.2	135.4556091	22.67
182.4	135.4919297	22.65
158.5	146.4994658	22.62
177.4	135.6986053	22.6
180.8	135.4457063	22.59
188.5	136.6458601	22.59
183.3	135.564413	22.58
163.3	142.096964	22.56
173.1	136.7103661	22.54
177.9	135.6313781	22.52
187.8	136.4336422	22.51
172.3	136.9857152	22.51
173.7	136.5220169	22.51
173.9	136.4626721	22.52
175.7	136.0052434	22.52
173	136.743267	22.52
180.7	135.4463252	22.53
173	136.743267	22.54
182.6	135.5051412	22.55
178	135.6191797	22.56
168.1	138.8971847	22.58
168.6	138.6276173	22.58
175.3	136.0950271	22.58
174.5	136.2949008	22.58
168.5	138.6806025	22.58
181.7	135.458704	22.57
182.7	135.5123672	22.56
187.6	136.3768654	22.53
173.9	136.4626721	22.51
168.7	138.5750946	22.48

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0.467	157.5
0.514	158.1
0.483	156.1
0.489	159.6
0.5	161.5
0.513	157.9
0.576	158
0.504	157.5
0.582	160.4
0.534	163.4
0.541	166.8
0.584	168.8
0.536	169.5
0.527	178.3
0.488	183.3
0.464	176
0.495	174.3
0.432	171.5
0.454	172.5
0.469	166.9
0.504	174.9
0.538	175
0.497	161.2
0.542	163.8
0.615	172.3
0.509	179.9
0.482	168.1
0.5	163.7
0.495	164.6
0.52	167.8
0.537	171.9
0.61	174.1
0.586	172.3
0.634	167.8
0.599	168.3
0.562	168.1
0.595	165.8
0.694	166.1
0.752	170.2
0.672	170.6
0.672	161.7
0.61	163.3
0.67	167
0.701	173.2
0.732	167.4
0.587	168.3
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0.565	170.1
0.585	172.2
0.531	164.9

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136.9142707	22.94
139.5919783	22.91
136.1915717	22.89
136.1668004	22.86
143.8658923	22.83
141.7100752	22.83
136.9857152	22.83
135.4661321	22.82
138.8971847	22.81
141.786421	22.79
141.1176841	22.78
139.0645196	22.78
137.1338452	22.78
136.4050401	22.78
136.9857152	22.78
139.0645196	22.79
138.7879636	22.81
138.8971847	22.82
140.2893212	22.83
140.0933217	22.84
137.8421902	22.85
137.6639493	22.86
143.4232201	22.89
142.096964	22.89
139.5314724	22.88
136.6778973	22.87
139.2942101	22.86
138.7879636	22.84
137.7078372	22.82
137.8878733	22.78
137.0220917	22.75
140.9038772	22.71

0.582	161.7	143.4232201	23.91	0.83	157.5	147.5835656
0.595	160.1	144.8885107	23.85	0.811	156.8	148.379085
0.593	164.3	141.3360215	23.78	0.835	160.7	144.3223303
0.553	160.1	144.8885107	23.72	0.782	157.5	147.5835656
0.58	163.5	141.9406579	23.67	0.773	158.2	146.8183282
0.618	163.5	141.9406579	23.62	0.823	160.7	144.3223303
0.588	161.2	143.8658923	23.58	0.818	157.5	147.5835656
0.657	162.7	142.5784051	23.54	0.88	158.2	146.8183282
0.673	158.2	146.8183282	23.49	0.837	155	150.5689831
0.685	160.8	144.2299319	23.46	0.905	159.5	145.4751667
0.637	166.7	139.7144254	23.43	0.816	161.4	143.6871825
0.6	172.4	136.949775	23.41	0.839	165.6	140.4224336
0.672	171.5	137.2889944	23.39	0.793	166.1	140.0933217
0.624	172.4	136.949775	23.36	0.82	166.2	140.0289626
0.62	182.2	135.4803714	23.33	0.788	172.6	136.8792016
0.563	187.7	136.4050401	23.29	0.723	180.5	135.4488008
0.469	182	135.4704656	23.24	0.683	175.9	135.9628798
0.509	180.2	135.4556091	23.2	0.695	174.4	136.3217962
0.495	176.1	135.9221983	23.17	0.669	169.9	137.9805921
0.529	175.8	135.9838512	23.14	0.739	172.3	136.9857152
0.536	170.5	137.7078372	23.11	0.741	167.9	139.008273
0.605	176.7	135.8102214	23.09	0.777	169.8	138.0276292
0.585	178.8	135.5365272	23.07	0.792	171.6	137.249547
0.587	164.7	141.0459134	23.04	0.752	160.9	144.1380905
0.687	167.5	139.23608	23.04	0.84	160.5	144.5088047
0.579	177.2	135.7284098	23.04	0.775	169	138.4202926
0.519	184.7	135.7439374	23.03	0.757	174.2	136.3768654
0.575	171.9	137.1338452	23.02	0.703	168.5	138.6806025
0.542	167.9	139.008273	23	0.729	163.6	141.8632814
0.504	165.3	140.6257933	22.98	0.731	160.7	144.3223303
0.645	169.9	137.9805921	22.98	0.755	165.1	140.7638403
0.651	173.5	136.5830783	22.99	0.793	167.5	139.23608
0.627	177.9	135.6313781	23	0.818	168.9	138.471433
0.641	174.2	136.3768654	23.01	0.836	169.7	138.0751192
0.693	172.7	136.8445673	23.03	0.964	166.6	139.7763685
0.648	169.8	138.0276292	23.05	0.819	164.7	141.0459134
0.687	169.8	138.0276292	23.06	0.834	162.5	142.7430964
0.701	170.2	137.8421902	23.08	0.836	167.1	139.4714437
0.743	170.9	137.5349652	23.1	0.948	166.5	139.8387928
0.742	175.6	136.0270567	23.11	0.999	169.9	137.9805921
0.776	172.2	137.0220917	23.12	0.989	169.3	138.2696225
0.839	166.1	140.0933217	23.14	0.917	160.3	144.6975271
0.843	162.4	142.8262379	23.14	0.916	160.6	144.4152874
0.679	167.7	139.1212357	23.12	0.915	164.4	141.262737
0.796	175.1	136.1424529	23.1	0.935	168.5	138.6806025
0.718	171.1	137.4512019	23.08	0.96	166.5	139.8387928
0.702	170.2	137.8421902	23.06	0.811	165.6	140.4224336
0.646	173	136.743267	23.02	0.783	168.1	138.8971847
0.611	172.8	136.810367	22.97	0.78	167.7	139.1212357
0.575	173.7	136.5220169	22.93	0.783	164.9	140.9038772
0.595	167.2	139.411891	22.9	0.776	162.8	142.4968525

24.21	1.095	167.1	139.4714437	146.9401927	No
24.16	1.137	166.6	139.7763685	145.5652436	No
24.08	1.103	168.7	138.5750946	142.7384459	No
24.01	1.079	167.2	139.411891	144.6934627	No
23.95	1.056	167.5	139.23608	143.7073769	No
23.9	1.077	169.8	138.0276292	142.0328151	No
23.86	1.132	167	139.5314724	145.4177364	No
23.81	1.113	167.2	139.411891	144.163538	No
23.76	1.123	165.5	140.4897269	146.670238	No
23.72	1.16	167.2	139.411891	143.3431256	No
23.68	1.146	170	137.9340071	141.1353488	No
23.66	1.102	171.5	137.2889944	138.1610877	No
23.64	1.096	173.1	136.7103661	137.8873354	No
23.6	1.081	173.2	136.6778973	137.7490174	No
23.56	1.129	178	135.6191797	136.1637536	No
23.52	0.984	184.3	135.6843278	136.9268938	No
23.46	0.965	182.4	135.4919297	136.398997	No
23.42	0.991	181.8	135.4622116	135.9157625	No
23.38	0.941	179.5	135.4859439	137.1103329	No
23.35	0.972	179.4	135.4919297	136.3573113	No
23.32	0.995	174.8	136.2167669	138.5489905	No
23.31	1.05	177.5	135.6843278	136.3712579	No
23.27	1.104	180	135.4622116	136.1112011	No
23.25	1.114	170.9	137.5349652	143.8873405	No
23.26	1.094	169	138.4202926	140.2883913	No
23.25	1.02	177	135.759882	136.645031	No
23.24	1.006	181.2	135.4473567	136.0581987	No
23.22	1.025	177.6	135.6704665	137.5690114	No
23.2	0.982	171.1	137.4512019	141.1887349	No
23.19	0.954	168.6	138.6276173	140.6940434	No
23.2	1.154	171.2	137.4099861	138.3600825	No
23.21	1.039	174.2	136.3768654	137.3466614	No
23.22	1.164	177.3	135.7132992	136.8733916	No
23.25	1.11	176.6	135.8278372	136.9899292	No
23.27	1.138	173.4	136.6142539	138.0370319	No
23.29	1.232	173.1	136.7103661	138.4666874	No
23.3	1.121	172.3	136.9857152	139.1027943	No
23.31	1.147	175.4	136.0719483	138.2623201	No
23.34	1.217	174.3	136.3491176	138.5525867	No
23.35	1.246	177.1	135.7439374	136.8387451	No
23.36	1.343	176.7	135.8102214	137.1437108	No
23.38	1.254	170	137.9340071	141.7778134	No
23.36	1.25	168	138.952495	141.9915266	No
23.33	1.211	170.9	137.5349652	139.0026181	No
23.3	1.274	175.4	136.0719483	136.9489634	No
23.27	1.161	173.5	136.5830783	138.8162018	No
23.23	1.106	174.3	136.3491176	138.1278228	No
23.19	1.084	175.1	136.1424529	137.215164	No
23.13	1.035	174.3	136.3491176	137.5490854	No
23.1	1.055	173.3	136.6458601	137.7276645	No
23.07	1.052	170.6	137.6639493	140.3469288	No

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7/28/2019	21:31	22.48	0.307
7/28/2019	21:32	22.47	0.48
7/28/2019	21:33	22.48	0.414
7/28/2019	21:34	22.52	0.55
7/28/2019	21:35	22.56	0.508
7/28/2019	21:36	22.59	0.489
7/28/2019	21:37	22.63	0.449
7/28/2019	21:38	22.64	0.47
7/28/2019	21:39	22.64	0.321
7/28/2019	21:40	22.63	0.304
7/28/2019	21:41	22.6	0.3
7/28/2019	21:42	22.57	0.249
7/28/2019	21:43	22.54	0.259
7/28/2019	21:44	22.5	0.275
7/28/2019	21:45	22.45	0.318
7/28/2019	21:46	22.41	0.297
7/28/2019	21:47	22.37	0.307
7/28/2019	21:48	22.35	0.291
7/28/2019	21:49	22.32	0.353
7/28/2019	21:50	22.3	0.293
7/28/2019	21:51	22.28	0.371
7/28/2019	21:52	22.27	0.317
7/28/2019	21:53	22.26	0.37
7/28/2019	21:54	22.25	0.351
7/28/2019	21:55	22.24	0.361
7/28/2019	21:56	22.24	0.362
7/28/2019	21:57	22.25	0.4
7/28/2019	21:58	22.25	0.405
7/28/2019	21:59	22.27	0.436
7/28/2019	22:00	22.28	0.471
7/28/2019	22:01	22.29	0.37
7/28/2019	22:02	22.3	0.404
7/28/2019	22:03	22.32	0.559
7/28/2019	22:04	22.35	0.458
7/28/2019	22:05	22.38	0.412
7/28/2019	22:06	22.39	0.367
7/28/2019	22:07	22.39	0.442
7/28/2019	22:08	22.39	0.446
7/28/2019	22:09	22.39	0.37
7/28/2019	22:10	22.4	0.392
7/28/2019	22:11	22.4	0.328
7/28/2019	22:12	22.39	0.34
7/28/2019	22:13	22.38	0.332
7/28/2019	22:14	22.36	0.344
7/28/2019	22:15	22.35	0.417
7/28/2019	22:16	22.34	0.344
7/28/2019	22:17	22.34	0.311
7/28/2019	22:18	22.34	0.375
7/28/2019	22:19	22.33	0.383
7/28/2019	22:20	22.32	0.343

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172.2	137.0220917	22.43
162.3	142.9099119	22.42
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165.3	140.6257933	22.47
158.7	146.2898835	22.51
162	143.1641434	22.54
154.9	150.6969261	22.57
157.6	147.4724086	22.59
157.4	147.6953406	22.59
162.3	142.9099119	22.58
163.1	142.25535	22.55
174.1	136.4050401	22.52
177.2	135.7284098	22.48
184.9	135.7762441	22.44
176.5	135.8458714	22.39
173.5	136.5830783	22.35
164.2	141.4098131	22.31
170	137.9340071	22.28
163.3	142.096964	22.26
168.6	138.6276173	22.24
155.7	149.6921424	22.23
162.4	142.8262379	22.22
164.9	140.9038772	22.2
165.9	140.2234999	22.19
168.2	138.8423412	22.18
164.2	141.4098131	22.19
159.5	145.4751667	22.19
165.7	140.355632	22.2
160.5	144.5088047	22.21
160.8	144.2299319	22.23
169.3	138.2696225	22.24
170.8	137.577514	22.25
171.7	137.21054	22.27
167.1	139.4714437	22.31
168.6	138.6276173	22.33
169.9	137.9805921	22.34
172.8	136.810367	22.35
169.7	138.0751192	22.35
172.3	136.9857152	22.36
179.9	135.4661321	22.36
172.5	136.9142707	22.37
179.7	135.475212	22.36
189.6	137.0220917	22.35
181.1	135.4463252	22.34
181.1	135.4463252	22.35
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186.5	136.0950271	22.34
181	135.4457063	22.32

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0.752	160.7
0.804	158.8
0.837	156.5
0.847	158.2
0.817	155
0.798	153.5
0.67	152.8
0.557	153.5
0.532	158.4
0.513	159
0.519	169.8
0.525	170.9
0.506	175
0.542	172.8
0.586	165.2
0.557	164.9
0.553	167.3
0.634	162.7
0.625	159.5
0.679	159.8
0.611	159.3
0.615	158.1
0.602	159.6
0.648	159.4
0.695	158.7
0.663	160.6
0.673	158.4
0.7	158.3
0.699	159.6
0.726	163
0.697	163
0.823	160.7
0.757	161.1
0.81	162
0.592	166.3
0.729	167.2
0.84	163.8
0.712	166.2
0.731	162.5
0.722	166.6
0.738	171.1
0.729	173.9
0.675	172.6
0.781	173.8
0.706	170.9
0.679	168.1
0.674	168.3
0.681	172.4
0.679	170.7

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146.6051528	22.84
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136.810367	22.61
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139.3528135	22.49
142.5784051	22.47
145.4751667	22.45
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145.6753339	22.45
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145.3759529	22.41
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146.6051528	22.46
146.7114396	22.49
145.3759529	22.51
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143.1641434	22.64
139.9650888	22.66
139.411891	22.64
141.7100752	22.64
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142.7430964	22.66
139.7763685	22.66
137.4512019	22.64
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136.8792016	22.61
136.4921301	22.61
137.5349652	22.61
138.8971847	22.61
138.7879636	22.61
136.949775	22.61
137.6205085	22.59

0.591	163.5	141.9406579	22.86	0.75	160.9	144.1380905
0.607	165.1	140.7638403	22.84	0.856	159.1	145.8778326
0.806	164.5	141.1899582	22.86	1.013	157.2	147.9207527
0.915	161.3	143.7762629	22.92	1.106	156.9	148.2635581
0.941	160.1	144.8885107	23	1.159	156.3	148.9662571
0.907	159.5	145.4751667	23.08	1.189	153.1	153.1182603
0.844	153.9	152.0140384	23.11	1.133	151.6	155.3150699
0.881	152.6	153.8318952	23.12	1.129	148.6	160.24088
0.759	152.5	153.9768314	23.11	0.907	149.6	158.5161218
0.687	150.6	156.8753741	23.08	0.76	150.1	157.6854758
0.639	158	147.0339187	23.04	0.799	152.6	153.8318952
0.619	158.1	146.9258206	23	0.729	153	153.2595242
0.547	169.3	138.2696225	22.96	0.72	160.7	144.3223303
0.557	172.9	136.7766005	22.91	0.765	166.6	139.7763685
0.606	180.3	135.452927	22.86	0.792	171.2	137.4099861
0.606	175.6	136.0270567	22.81	0.796	168.7	138.5750946
0.659	171	137.4928614	22.76	0.847	166.3	139.9650888
0.622	168	138.952495	22.71	0.715	162.3	142.9099119
0.575	168.2	138.8423412	22.68	0.811	164.3	141.3360215
0.637	165.9	140.2234999	22.66	0.877	160.7	144.3223303
0.707	163.1	142.25535	22.64	0.869	158.3	146.7114396
0.745	163.9	141.6342428	22.65	0.972	156.6	148.6120398
0.661	160.3	144.6975271	22.65	0.823	156.3	148.9662571
0.675	162.6	142.6604859	22.62	0.864	158.5	146.4994658
0.738	160.9	144.1380905	22.61	0.839	157.4	147.6953406
0.688	163.9	141.6342428	22.61	0.839	157.8	147.2519401
0.776	160.9	144.1380905	22.63	1.01	156.9	148.2635581
0.727	162.2	142.9941199	22.66	0.897	156.2	149.0856146
0.782	158.3	146.7114396	22.68	0.974	154.5	151.2154981
0.805	160.9	144.1380905	22.71	1.04	155.1	150.441715
0.799	162.8	142.4968525	22.74	1.049	156.9	148.2635581
0.808	164.7	141.0459134	22.77	1.039	160.5	144.5088047
0.811	167.2	139.411891	22.78	1.037	161.9	143.249962
0.918	168	138.952495	22.82	1.152	161	144.0468045
0.862	165.3	140.6257933	22.87	1.05	160.4	144.6028841
0.872	164.5	141.1899582	22.88	1.112	160.8	144.2299319
0.733	166.9	139.5919783	22.9	0.996	162.4	142.8262379
0.821	167.9	139.008273	22.88	1.002	163.5	141.9406579
0.83	167.8	139.0645196	22.87	1.165	160.3	144.6975271
0.756	164.1	141.484113	22.88	0.963	162.3	142.9099119
0.753	167	139.5314724	22.88	1.042	161.7	143.4232201
0.69	170	137.9340071	22.88	0.993	164	141.5589225
0.69	172.5	136.9142707	22.86	0.987	166.7	139.7144254
0.668	175.4	136.0719483	22.84	0.922	169.8	138.0276292
0.804	179.4	135.4919297	22.82	0.939	172	137.0961561
0.844	178.6	135.5547035	22.83	1.04	173.3	136.6458601
0.738	177.1	135.7439374	22.84	0.969	168.4	138.734051
0.674	171.4	137.328883	22.84	0.929	164.2	141.4098131
0.73	173.1	136.7103661	22.84	0.963	165.8	140.2893212
0.738	175.3	136.0950271	22.83	0.894	169.6	138.1230627
0.684	176.4	135.8643244	22.8	0.944	168.2	138.8423412

23.05	1.02	168.1	138.8971847	141.0641925	No
23.03	1.134	166	140.1581671	141.5198978	No
23.06	1.265	164.9	140.9038772	144.0857383	No
23.14	1.473	164.3	141.3360215	144.3800039	No
23.22	1.452	162.8	142.4968525	145.8025083	No
23.3	1.467	162.9	142.4158267	147.9254097	No
23.33	1.4	160	144.9848547	150.2655587	No
23.33	1.297	158	147.0339187	154.3325337	No
23.3	1.211	157.8	147.2519401	153.3774007	No
23.26	1.117	159	145.9799608	153.704156	No
23.22	1.014	160.4	144.6028841	147.5952196	No
23.18	1.03	161.7	143.4232201	147.1051639	No
23.15	1.042	169.2	138.3193881	139.2561555	No
23.11	1.05	173	136.743267	137.454086	No
23.07	1.097	176.1	135.9221983	136.2014894	No
23.01	1.155	175.9	135.9628798	136.8145974	No
22.96	1.101	173.2	136.6778973	138.6838993	No
22.9	1.157	171.1	137.4512019	141.0440243	No
22.86	1.08	171.3	137.3692134	139.3662958	No
22.85	1.064	169.2	138.3193881	142.3052998	No
22.83	1.178	166.9	139.5919783	143.2673934	No
22.85	1.235	165.6	140.4224336	146.2794202	No
22.85	1.168	164.4	141.262737	145.541339	No
22.81	1.14	165.4	140.557513	144.2474124	No
22.81	1.215	166.3	139.9650888	144.358221	No
22.83	1.178	164.5	141.1899582	143.325871	No
22.86	1.24	165	140.8336095	145.0253363	No
22.89	1.258	165.7	140.355632	145.4925471	No
22.91	1.25	163.6	141.8632814	146.2219306	No
22.94	1.31	162.5	142.7430964	146.4500124	No
22.97	1.303	165.3	140.6257933	145.0915738	No
23	1.361	167.1	139.4714437	141.5399167	No
23.01	1.393	168.7	138.5750946	140.6436733	No
23.06	1.436	168.7	138.5750946	141.1330425	No
23.09	1.374	168	138.952495	142.1640483	No
23.1	1.343	167.8	139.0645196	141.8029127	No
23.1	1.208	169.6	138.1230627	140.0909743	No
23.08	1.257	170.4	137.7521729	139.2927972	No
23.08	1.338	167.9	139.008273	140.8868103	No
23.1	1.268	169.9	137.9805921	140.3521757	No
23.1	1.226	169.2	138.3193881	140.2909803	No
23.09	1.23	170.6	137.6639493	139.0458922	No
23.08	1.175	174.3	136.3491176	137.3887775	No
23.04	1.147	176.8	135.7930238	136.8960853	No
23.02	1.299	178	135.6191797	136.2284032	No
23.04	1.338	180.1	135.458704	136.0347547	No
23.05	1.309	177	135.759882	136.9693195	No
23.04	1.146	171.7	137.21054	138.5470534	No
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23	1.14	174.3	136.3491176	136.9432201	No

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7/28/2019	22:22	22.32	0.347
7/28/2019	22:23	22.31	0.399
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7/28/2019	22:25	22.31	0.347
7/28/2019	22:26	22.32	0.358
7/28/2019	22:27	22.32	0.288
7/28/2019	22:28	22.31	0.306
7/28/2019	22:29	22.31	0.362
7/28/2019	22:30	22.31	0.372
7/28/2019	22:31	22.31	0.317
7/28/2019	22:32	22.31	0.347
7/28/2019	22:33	22.3	0.307
7/28/2019	22:34	22.3	0.382
7/28/2019	22:35	22.3	0.307
7/28/2019	22:36	22.29	0.316
7/28/2019	22:37	22.29	0.352
7/28/2019	22:38	22.29	0.356
7/28/2019	22:39	22.29	0.457
7/28/2019	22:40	22.31	0.394
7/28/2019	22:41	22.31	0.439
7/28/2019	22:42	22.32	0.34
7/28/2019	22:43	22.33	0.382
7/28/2019	22:44	22.34	0.436
7/28/2019	22:45	22.36	0.472
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7/28/2019	22:59	22.46	0.46
7/28/2019	23:00	22.5	0.507
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7/28/2019	23:02	22.55	0.576
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7/28/2019	23:08	22.63	0.544
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194.6	139.411891	22.35
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173	136.743267	22.36
175.7	136.0052434	22.37
189.3	136.9142707	22.38
169	138.4202926	22.39
179.6	135.4803714	22.38
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173.4	136.6142539	22.32
172.8	136.810367	22.32
166.8	139.6529623	22.32
165.3	140.6257933	22.33
162.5	142.7430964	22.35
169.6	138.1230627	22.39
170.7	137.6205085	22.43
164.9	140.9038772	22.47
164	141.5589225	22.5
174.3	136.3491176	22.53
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170.6	137.6639493	22.56
158.1	146.9258206	22.56
166.1	140.0933217	22.57
168.4	138.734051	22.58
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167.8	139.0645196	22.63
165.2	140.6945686	22.64
159.8	145.1792559	22.65

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0.655	168.3
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0.693	172.8
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0.615	170.2
0.676	177
0.691	178.9
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0.829	165.5
0.734	171.1
0.638	168.2
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0.705	166.4
0.628	167.4
0.674	158.1
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0.682	167.3
0.701	167.3
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0.756	161.2
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0.949	160.4
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0.74	175.8	135.9838512	22.8	0.921	169.4	138.2203136
0.801	173.7	136.5220169	22.78	0.904	169.6	138.1230627
0.763	174	136.4336422	22.79	0.811	169	138.4202926
0.692	175.1	136.1424529	22.78	0.929	167	139.5314724
0.739	170.8	137.577514	22.81	0.978	165.8	140.2893212
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0.731	176.8	135.7930238	22.83	0.921	171.1	137.4512019
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0.737	184	135.6439919	22.84	0.919	177.3	135.7132992
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0.768	175.1	136.1424529	22.85	1.023	169.3	138.2696225
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0.815	175.2	136.1185285	22.86	1.03	169	138.4202926
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0.791	170.1	137.8878733	22.86	1.034	164	141.5589225
0.807	169.7	138.0751192	22.87	1.093	164.8	140.9746448
0.972	169.7	138.0751192	22.89	1.119	164.4	141.262737
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0.828	171.9	137.1338452	22.89	0.925	167.4	139.2942101
0.748	172	137.0961561	22.86	0.866	167	139.5314724
0.79	167.4	139.2942101	22.83	0.923	162.4	142.8262379
0.74	167.2	139.411891	22.82	0.873	164.1	141.484113
0.706	161.8	143.3363204	22.82	0.892	160.1	144.8885107
0.654	161.6	143.5106627	22.8	0.878	159.2	145.7762909
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0.788	168.1	138.8971847	22.78	1.002	163.9	141.6342428
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0.876	162.8	142.4968525	22.83	0.991	157.8	147.2519401
0.789	159.5	145.4751667	22.86	1.13	156.4	148.8475437
1.02	161.8	143.3363204	22.92	1.315	158.3	146.7114396
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1.082	169.1	138.3696112	23.05	1.199	161.1	143.9560723
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1.01	163.2	142.1758963	23.03	1.194	158.2	146.8183282
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23.01	1.276	177.8	135.6439919	136.3350464	No
23.04	1.26	176.8	135.7930238	136.2347715	No
23.05	1.136	178.2	135.5960285	136.6535794	No
23.06	1.131	182.5	135.4983288	136.7189054	No
23.06	1.241	183.5	135.5850754	135.7692307	No
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23.07	1.278	176.1	135.9221983	137.1038178	No
23.08	1.333	176.8	135.7930238	136.9875322	No
23.08	1.297	176	135.9423289	136.7992881	No
23.07	1.452	176.6	135.8278372	136.645464	No
23.09	1.309	175.3	136.0950271	137.8058381	No
23.07	1.279	175.1	136.1424529	137.7880473	No
23.07	1.227	172.4	136.949775	139.0942808	No
23.08	1.382	172.1	137.0589052	138.9877995	No
23.1	1.436	171.1	137.4512019	138.9582066	No
23.11	1.364	175.9	135.9628798	137.1517648	No
23.08	1.29	174.2	136.3768654	138.4226723	No
23.05	1.263	174.3	136.3491176	137.4989683	No
23.03	1.231	171.6	137.249547	139.9660844	No
23.03	1.264	170.9	137.5349652	139.0231754	No
23.01	1.196	169.4	138.2203136	143.5119591	No
22.99	1.089	165.4	140.557513	142.610234	No
22.97	1.143	166.2	140.0289626	141.7217382	No
22.96	1.298	168	138.952495	139.2058915	No
22.97	1.334	170.4	137.7521729	139.173652	No
23	1.368	165.5	140.4897269	142.7723938	No
23.03	1.411	166.3	139.9650888	143.674229	No
23.06	1.221	164.7	141.0459134	145.2329248	No
23.13	1.555	166.7	139.7144254	143.6939939	No
23.19	1.542	165.7	140.355632	142.9402675	No
23.21	1.558	166.3	139.9650888	143.8208026	No
23.22	1.54	166.5	139.8387928	145.1823319	No
23.23	1.559	167.8	139.0645196	140.1929413	No
23.24	1.614	168.9	138.471433	141.0634676	No
23.22	1.386	167.3	139.3528135	141.8018139	No
23.2	1.538	165	140.8336095	144.6865708	No
23.2	1.501	165.9	140.2234999	144.0396838	No
23.24	1.44	166.1	140.0933217	143.58038	No
23.26	1.595	165	140.8336095	144.1423896	No
23.29	1.501	163.9	141.6342428	144.4059456	No
23.31	1.483	164.6	141.1176841	145.1532969	No
23.31	1.443	167.4	139.2942101	144.6084112	No

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7/28/2019	23:16	22.73	0.629
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7/28/2019	23:18	22.76	0.584
7/28/2019	23:19	22.78	0.581
7/28/2019	23:20	22.8	0.595
7/28/2019	23:21	22.81	0.429
7/28/2019	23:22	22.82	0.479
7/28/2019	23:23	22.82	0.534
7/28/2019	23:24	22.84	0.545
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7/28/2019	23:26	22.82	0.506
7/28/2019	23:27	22.8	0.609
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7/28/2019	23:29	22.81	0.635
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7/28/2019	23:31	22.82	0.547
7/28/2019	23:32	22.82	0.43
7/28/2019	23:33	22.82	0.611
7/28/2019	23:34	22.84	0.599
7/28/2019	23:35	22.85	0.587
7/28/2019	23:36	22.84	0.462
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7/28/2019	23:38	22.86	0.4
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167.6	139.1784222	22.82
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161.7	143.4232201	22.82
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0.96	167.4
0.975	170.1
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0.807	163
0.889	162.3
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0.84	159.7
0.856	161.2
0.94	159.9
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0.886	157
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0.822	156.2
0.95	156.2
0.917	158.8
0.971	156.7
1.019	153.9
1.077	156
0.947	162
0.986	153.8
0.842	163.5
0.949	163.7
0.988	166.5
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0.991	164.2
0.866	163.1
0.809	163.8
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0.874	162.8
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0.9	169.8	138.0276292	23.22	1.134	165.7	140.355632
1.139	163.6	141.8632814	23.24	1.41	160	144.9848547
1.012	167.8	139.0645196	23.26	1.28	162.5	142.7430964
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1.143	164.6	141.1176841	23.26	1.254	160.2	144.7927354
1.138	165.6	140.4224336	23.29	1.343	159	145.9799608
0.899	170.7	137.6205085	23.3	1.393	162.2	142.9941199
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1.027	169.4	138.2203136	23.3	1.183	164.9	140.9038772
0.944	168.8	138.5230334	23.26	1.258	163.4	142.0185516
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1.053	163.8	141.7100752	23.2	1.117	159	145.9799608
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1.188	158.6	146.3943767	23.22	1.282	156.5	148.729472
1.049	163.5	141.9406579	23.24	1.168	157.6	147.4724086
0.963	164.8	140.9746448	23.23	1.174	158.3	146.7114396
0.986	164.7	141.0459134	23.24	1.249	159.3	145.6753339
1.075	165	140.8336095	23.27	1.282	157.2	147.9207527
1.054	163.5	141.9406579	23.3	1.253	156.3	148.9662571
0.971	164.4	141.262737	23.31	1.242	159.6	145.3759529
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0.834	158.3	146.7114396	23.28	1.256	153.5	152.5604335
0.98	160.3	144.6975271	23.23	1.248	154.5	151.2154981
1.009	152.4	154.1225109	23.21	1.112	149.3	159.0245589
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1.129	158.8	146.1859844	23.35	1.471	153.1	153.1182603
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1.31	161.5	143.5986496	23.45	1.535	157.3	147.8077356
1.105	165	140.8336095	23.44	1.288	156.6	148.6120398
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1.006	164.5	141.1899582	23.41	1.158	162.2	142.9941199
1.121	172	137.0961561	23.37	1.289	161.3	143.7762629
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0.922	166.4	139.9016992	23.27	1.183	163.4	142.0185516
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23.45	1.501	170.1	137.8878733	140.4962831	No
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23.45	1.505	171.3	137.3692134	138.7543695	No
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23.43	1.577	166.8	139.6529623	143.6890271	No
23.48	1.563	165.7	140.355632	143.7917766	No
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23.36	1.359	168.6	138.6276173	141.460919	No
23.33	1.314	168.8	138.5230334	141.1150818	No

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7/29/2019	0:52	23.15	0.716
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168.2	138.8423412	22.91
174.5	136.2949008	22.93
164.4	141.262737	22.95
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171.4	137.328883	23.09
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173.9	136.4626721	23.06
165.9	140.2234999	23.07
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179.8	135.4704656	23.16
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173.2	136.6778973	23.08
172.1	137.0589052	23.09
173.1	136.7103661	23.11
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176.5	135.8458714	23.14
172.4	136.949775	23.14

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1.197	163
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1.076	155.8
1.197	157.1
1.152	163.1
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1.352	159.8
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1.097	160.3
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1.421	164.4
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1.579	165.7
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1.33	168.7
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1.281	163
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1.263	169
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140.6257933	23.3

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1.132	164.6	141.1176841	23.22	1.206	161	144.0468045
1.08	167.3	139.3528135	23.23	1.324	162.7	142.5784051
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1.024	167.4	139.2942101	23.22	1.305	164.6	141.1176841
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1.271	170.1	137.8878733	23.27	1.429	163.5	141.9406579
1.199	165.8	140.2893212	23.28	1.283	162.9	142.4158267
1.304	167.4	139.2942101	23.31	1.558	160.4	144.6028841
1.121	162.8	142.4968525	23.33	1.291	160.6	144.4152874
1.388	167.8	139.0645196	23.36	1.674	157.9	147.1426245
1.12	169.7	138.0751192	23.4	1.629	162.2	142.9941199
1.197	159.3	145.6753339	23.39	1.415	157	148.1486618
1.259	161.9	143.249962	23.39	1.46	155.9	149.4475739
1.348	161.3	143.7762629	23.42	1.659	154.8	150.8255466
1.34	166.9	139.5919783	23.45	1.619	161.3	143.7762629
1.262	164.3	141.3360215	23.44	1.69	156.5	148.729472
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1.61	163.9	141.6342428	23.46	1.958	157.6	147.4724086
1.204	162.2	142.9941199	23.46	1.552	159.3	145.6753339
1.323	171	137.4928614	23.44	1.746	163.5	141.9406579
1.126	168	138.952495	23.41	1.456	163.7	141.786421
1.543	164.2	141.4098131	23.39	1.525	158.8	146.1859844
1.473	170.2	137.8421902	23.39	1.931	161.5	143.5986496
1.373	170.8	137.577514	23.43	1.764	163.8	141.7100752
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1.329	171.2	137.4099861	23.43	1.685	162.7	142.5784051
1.72	172.8	136.810367	23.45	2.093	163.9	141.6342428
1.52	172.6	136.8792016	23.48	1.922	166.7	139.7144254
1.48	170.7	137.6205085	23.5	1.829	164.9	140.9038772
1.693	170.2	137.8421902	23.53	2.171	163.5	141.9406579
1.348	169.5	138.1714606	23.52	1.647	165.3	140.6257933
1.34	178.1	135.6073966	23.48	1.77	166.9	139.5919783
1.351	167.3	139.3528135	23.46	1.704	162	143.1641434
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1.695	168.6	138.6276173	23.48	1.781	163.7	141.786421
1.356	172.9	136.7766005	23.47	1.818	166.7	139.7144254
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1.621	168.1	138.8971847	23.42	1.873	161.7	143.4232201
1.29	169.4	138.2203136	23.42	1.765	162.7	142.5784051
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1.466	175.7	136.0052434	23.41	1.88	168.9	138.471433
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1.471	170.1	137.8878733	23.41	1.846	163.5	141.9406579
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1.567	175.7	136.0052434	23.47	2.004	168	138.952495
1.383	171.7	137.21054	23.46	1.639	170	137.9340071
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23.35	1.594	169.8	138.0276292	141.7883609	No
23.35	1.563	172.3	136.9857152	140.641297	No
23.37	1.604	168.2	138.8423412	142.3876289	No
23.36	1.509	170.4	137.7521729	139.8795916	No
23.38	1.593	169.2	138.3193881	139.671311	No
23.4	1.595	170	137.9340071	139.9990094	No
23.38	1.594	168.9	138.471433	141.9363809	No
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23.41	1.607	169.3	138.2696225	140.8526926	No
23.43	1.756	167.4	139.2942101	140.6318303	No
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23.51	1.779	166	140.1581671	145.8540752	No
23.5	1.688	165.2	140.6945686	145.9192199	No
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23.56	1.893	168.1	138.8971847	140.7381186	No
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23.57	2.118	165.3	140.6257933	143.1433858	No
23.59	2.364	168.5	138.6806025	143.0529563	No
23.58	1.748	167.1	139.4714437	142.4574132	No
23.56	1.948	172.2	137.0220917	138.3771233	No
23.52	1.824	171.3	137.3692134	140.2497405	No
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23.54	2.135	170.5	137.7078372	140.4369415	No
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23.52	1.987	171	137.4928614	139.7058527	No
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23.54	2.175	172.7	136.8445673	139.1753493	No
23.57	2.366	176.3	135.8831963	137.4165625	No
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23.54	2.298	174.1	136.4050401	139.0570544	No

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7/29/2019	1:07	23.09	0.68
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1.47	180.7	135.4463252	23.43	1.871	170.9	137.5349652
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1.406	177.8	135.6439919	23.36	1.836	170.7	137.6205085
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1.465	171.2	137.4099861	23.37	1.709	165	140.8336095
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1.264	176.3	135.8831963	23.33	1.71	172.6	136.8792016
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1.422	171	137.4928614	23.18	1.58	170.7	137.6205085
1.136	171.3	137.3692134	23.15	1.428	168.3	138.7879636
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1.347	174	136.4336422	23.11	1.716	169.1	138.3696112
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7/29/2019	3:22	23.13	0.693
7/29/2019	3:23	23.13	0.626
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7/29/2019	3:25	23.11	0.537
7/29/2019	3:26	23.1	0.562

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187.1	136.2423866	22.94
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1.125	197.9	141.6342428	23.23	1.303	189.5	136.9857152
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1.115	201.8	144.9848547	23.21	1.502	193.6	138.8423412
1.316	204.6	147.9207527	23.21	1.626	194.8	139.5314724
1.659	208.9	153.4015168	23.29	2.073	199.9	143.249962
1.241	217.2	168.0614801	23.37	1.768	209.8	154.712722
1.31	241.9	161.5271173	23.39	1.714	237.6	169.0279442
1.557	281.9	143.9189973	23.41	2.212	277.6	142.2462495
2.425	303.5	167.6946976	23.38	3.087	300.8	162.9661204
2.839	307.8	176.6631365	23.38	3.405	306.1	172.8883094
2.93	307.8	176.6631365	23.37	3.586	307	174.8472386
2.631	316.1	190.8837175	23.32	3.308	314	195.7142115
1.951	314.4	195.7142115	23.24	2.436	313.9	195.7142115
2.047	308.6	178.5523232	23.17	2.534	306.4	173.5316387
1.593	313.3	191.3112307	23.12	2.176	314.3	195.7142115
1.393	282.4	144.169036	23.07	1.796	281.7	143.8222881
1.211	291.5	150.9250156	23.21	1.582	290.1	149.595865
1.33	304.4	169.4174385	23.18	1.53	301.7	164.4719393
1.499	304.6	169.810806	23.15	1.821	302.9	166.5881931
1.504	305	170.6093072	23.07	1.79	302.8	166.4069628
1.562	303.5	167.6946976	22.99	1.905	301.1	163.4605101
1.657	305.7	172.0452245	22.92	1.975	302.7	166.2266321
1.388	301	163.294883	22.86	1.752	299.1	160.3021067
1.537	305	170.6093072	22.84	2.102	302.8	166.4069628
1.622	302.3	165.5142265	22.83	2.09	301.2	163.6269725
1.653	305.7	172.0452245	22.81	1.996	305.6	171.8370419
1.305	284.2	145.1683796	22.78	1.57	280.6	143.3238336
1.032	279.9	143.0358082	22.76	1.334	277.6	142.2462495
1.012	275.3	141.6924026	22.71	1.278	270.2	141.2853442
0.904	270.8	141.2750152	22.69	1.285	266	141.7930115
0.959	287.6	147.4958051	22.65	1.209	284.6	145.4118964
1.174	308.5	178.312062	22.59	1.298	306.5	173.7482078
1.185	313.6	192.2329492	22.55	1.356	314.1	195.7142115
1.142	312.8	189.8060036	22.52	1.326	311.7	186.6257896
1.371	313.6	192.2329492	22.51	1.408	316.7	188.9294126
1.374	313.7	192.5433417	22.49	1.462	311.6	186.3453391
1.523	319.8	179.7400211	22.48	1.93	318.6	183.1257514
1.716	313.1	190.7045403	22.47	2.191	310.2	182.5632711
1.438	323.8	169.8197457	22.44	1.82	324.6	168.0614801
1.25	315.2	193.9326112	22.4	1.562	313	190.403504
1.154	312.8	189.8060036	22.36	1.461	315.3	193.5866754
1.295	314.8	195.3347893	22.34	1.693	315.9	191.5488631
1.348	315.2	193.9326112	22.32	1.749	315	194.6299891
1.142	322.7	172.3538995	22.31	1.302	321.1	176.2962446
1.159	319	181.9742025	22.29	1.343	320.8	177.0711342
1.04	316	191.2154206	22.27	1.226	314	195.7142115
1.301	318.1	184.5985921	22.27	1.566	318	184.8977039
1.392	310.2	182.5632711	22.28	1.649	310	182.0442679
1.056	314.2	195.7142115	22.28	1.201	313.7	192.5433417
1.414	316.2	190.5537426	22.27	1.743	314.7	195.6900033

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23.27	1.591	197.5	141.3360215	139.1341985	No
23.26	1.868	197.3	141.1899582	140.8192183	No
23.26	1.687	198.5	142.096964	142.8003259	No
23.27	1.92	198.3	141.9406579	142.8406543	No
23.35	2.313	204.8	148.1486618	148.4950775	No
23.42	1.861	213.4	160.5962459	162.4636086	No
23.45	1.869	239.5	165.5142265	164.7793997	No
23.48	2.408	282.7	144.324759	144.1354407	No
23.43	3.462	305.7	172.0452245	168.071911	No
23.43	4.112	310.9	184.4211537	176.1995703	Yes
23.41	4.315	311.3	185.5124012	178.9574411	Yes
23.36	3.896	318.4	183.7103804	189.1742664	Yes
23.26	2.815	320.7	177.3320297	185.9815768	Yes
23.19	2.843	310.4	183.0874794	178.6027081	Yes
23.14	2.454	318.5	183.4173207	190.5128783	Yes
23.1	1.965	288.3	148.0494963	145.0512951	No
23.26	1.713	298	158.6977847	149.1688183	No
23.23	1.886	308.7	178.7937782	176.3374509	Yes
23.21	2.168	307.8	176.6631365	171.1214709	No
23.13	2.154	308.9	179.2802945	176.3152746	Yes
23.04	2.193	307.1	175.0703199	167.4086657	No
22.97	2.393	308.4	178.0729882	174.805447	No
22.91	1.928	305.7	172.0452245	165.7582833	No
22.88	2.383	308	177.1284437	168.3611078	No
22.87	2.31	307.3	175.5198021	167.8486266	No
22.86	2.315	309.2	180.0191816	173.7085595	No
22.82	1.817	289.7	149.2366877	144.6215619	No
22.81	1.406	285.2	145.7920604	143.6470958	No
22.76	1.358	275.9	141.8144468	141.5777269	No
22.73	1.273	271.3	141.2782429	141.4954778	No
22.69	1.306	287.9	147.7298938	149.4027007	No
22.64	1.655	310.8	184.1517432	184.1360369	Yes
22.59	1.675	317.6	186.1096044	185.1608933	Yes
22.57	1.672	316.8	188.6095808	181.8999489	Yes
22.54	1.86	320.8	177.0711342	185.5798408	Yes
22.53	1.922	316.5	189.5740787	186.9699026	Yes
22.51	2.316	322.4	173.0693692	173.0907654	No
22.49	2.452	315.3	193.5866754	188.6251023	Yes
22.46	2.077	328.3	160.7752562	163.1498601	No
22.42	1.895	319.6	180.290119	191.5691149	Yes
22.38	1.777	318.8	182.5470487	192.0682671	Yes
22.36	1.923	321.6	175.0303206	190.1139068	Yes
22.34	1.971	319.3	181.1257634	189.3967627	Yes
22.32	1.607	325.7	165.7545685	165.0162028	No
22.3	1.828	324.3	168.7126952	179.4109703	Yes
22.28	1.499	320.1	178.9252109	184.6248341	Yes
22.27	1.932	323.3	170.9545255	180.5266709	Yes
22.28	1.908	316.1	190.8837175	182.4200904	Yes
22.28	1.492	319.5	180.5672593	187.9694817	Yes
22.27	2.107	320.6	177.5942369	186.3668344	Yes

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7/29/2019	4:21	22.21	0.332
7/29/2019	4:22	22.2	0.362
7/29/2019	4:23	22.19	0.329
7/29/2019	4:24	22.19	0.34
7/29/2019	4:25	22.18	0.543
7/29/2019	4:26	22.18	0.31
7/29/2019	4:27	22.17	0.372
7/29/2019	4:28	22.17	0.382
7/29/2019	4:29	22.17	0.357
7/29/2019	4:30	22.16	0.574
7/29/2019	4:31	22.15	0.48
7/29/2019	4:32	22.15	0.365
7/29/2019	4:33	22.15	0.375
7/29/2019	4:34	22.14	0.505
7/29/2019	4:35	22.14	0.405
7/29/2019	4:36	22.13	0.205
7/29/2019	4:37	22.13	0.287
7/29/2019	4:38	22.13	0.202
7/29/2019	4:39	22.13	0.284
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7/29/2019	4:41	22.13	0.325
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7/29/2019	5:02	22.09	0.606
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301.4	163.9624173	22.08
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295.7	155.627126	22.08
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327.4	162.4269132	22.09
305.2	171.014516	22.08
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297.7	158.2758734	22.08
313.8	195.7142115	22.07
301.6	164.3012465	22.06
298.8	159.8555038	22.07
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284.5	145.3502763	22.06
285.7	146.1226545	22.05
280.7	143.3668232	22.04
285.2	145.7920604	22.03
284.2	145.1683796	22.02
291.7	151.1242187	22.02
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1.126	286.1
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1.446	302.4	165.6909983	22.28	1.923	300.9	163.1300876
1.211	309.9	181.7867003	22.28	1.517	309	179.5253688
0.99	326.8	163.5696028	22.27	1.244	326.4	164.3504379
1.065	312.4	188.6290418	22.24	1.313	315.1	194.2803784
0.868	313.3	191.3112307	22.22	1.228	312.9	190.1039947
0.916	306.7	174.1845669	22.21	1.199	307.7	176.4322033
1.265	310.3	182.824721	22.2	1.598	308.7	178.7937782
1	314.5	195.7142115	22.21	1.315	315.5	192.9002508
1.024	318.6	183.1257514	22.2	1.146	318.6	183.1257514
1.067	315.9	191.5488631	22.19	1.456	316.8	188.6095808
1.344	314.4	195.7142115	22.18	1.591	314.1	195.7142115
1.191	310	182.0442679	22.18	1.586	309.1	179.7716623
0.981	304.1	168.8346381	22.16	1.216	303.4	167.507983
0.914	304.8	170.2080831	22.15	1.151	304.2	169.0279442
0.828	297.9	158.5564148	22.15	0.982	295.4	155.2536405
0.881	294.5	154.1690811	22.14	1.048	293.2	152.6948941
0.852	292.9	152.3697801	22.14	1.028	292.4	151.8402112
0.521	293.2	152.6948941	22.14	0.658	290.2	149.6870709
0.707	302.7	166.2266321	22.14	0.728	299.8	161.3712442
0.508	297.9	158.5564148	22.14	0.712	298.2	158.9827372
0.691	303.6	167.8823409	22.13	0.911	306.7	174.1845669
0.669	305.3	171.2186266	22.13	0.815	305.2	171.014516
0.78	307.4	175.7462142	22.12	0.929	306.7	174.1845669
0.83	306.4	173.5316387	22.13	0.998	305.3	171.2186266
0.742	304.8	170.2080831	22.14	1.043	303.2	167.137323
1.224	301.2	163.6269725	22.14	1.631	300.8	162.9661204
0.743	312.2	188.0494405	22.16	0.926	306.9	174.6252563
0.945	325.4	166.3713526	22.15	1.06	324.6	168.0614801
1.323	297.8	158.4157786	22.16	1.724	296.3	156.3924283
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1.434	318.8	182.5470487	22.17	1.687	316.4	189.898934
1.304	302.4	165.6909983	22.18	1.679	298.3	159.1263255
1.41	300.6	162.6406568	22.18	1.793	298.5	159.4157407
1.183	299.7	161.2161624	22.18	1.36	294.6	154.2869623
1.161	290.8	150.2462872	22.18	1.46	286.6	146.7497779
0.95	296.5	156.6530324	22.17	1.156	292.8	152.2626427
1.137	313.7	192.5433417	22.16	1.557	308.7	178.7937782
1.065	302.4	165.6909983	22.16	1.486	299.4	160.7556316
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1.185	288.3	148.0494963	22.15	1.527	284	145.0495749
0.823	283	144.4847842	22.16	1.114	281.5	143.7274589
1.153	285.8	146.1902907	22.14	1.539	280.7	143.3668232
1.593	286.9	146.9680947	22.14	2.082	282.8	144.3776216
1.283	281.5	143.7274589	22.13	1.896	278.1	142.397648
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1.242	287.3	147.2664881	22.11	1.69	284.4	145.2891508
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1.033	281.4	143.6807474	22.1	1.41	276.3	141.9045775
0.871	273.4	141.4093904	22.09	1.236	269.9	141.2963201
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22.28	1.716	304.5	169.6136358	165.6601741	No
22.28	2.201	306.8	174.4043676	164.6047801	No
22.28	1.837	313.5	191.9241395	184.6083561	Yes
22.26	1.445	331.1	156.0853794	160.8786919	No
22.24	1.575	317.3	187.035022	190.4373458	Yes
22.22	1.391	317	187.9748679	187.5073785	Yes
22.21	1.407	311.2	185.2375331	179.3288905	Yes
22.2	1.87	311	184.6919171	188.2556785	Yes
22.2	1.559	320.2	178.6563324	184.7445788	Yes
22.2	1.497	324.5	168.2774801	172.5564739	No
22.19	1.673	320.6	177.5942369	186.0995323	Yes
22.18	2.089	318	184.8977039	186.0365144	Yes
22.17	1.846	314.5	195.7142115	183.2061619	Yes
22.16	1.463	310.1	182.3031224	171.8466722	No
22.15	1.31	308.9	179.2802945	171.4552665	No
22.14	1.203	300.6	162.6406568	160.3916866	No
22.14	1.233	295.9	155.8794948	153.0100107	No
22.14	1.175	296.6	156.7843776	152.2661761	No
22.14	0.756	297.4	157.8605159	154.3643083	No
22.13	0.91	303.1	166.9533691	169.119065	No
22.13	0.769	302.5	165.8686538	160.4211643	No
22.13	0.983	313.1	190.7045403	178.8448743	Yes
22.13	0.934	309.6	181.0216499	176.5218062	Yes
22.12	1.088	309.3	180.2679334	180.4898859	Yes
22.13	1.215	307.8	176.6631365	181.3167249	Yes
22.14	1.108	309.5	180.7691609	171.7050234	No
22.14	1.821	305.5	171.6298847	166.381206	No
22.15	1.06	310.8	184.1517432	186.471122	Yes
22.15	1.245	327.7	161.8681603	161.3396424	No
22.16	1.898	300.7	162.802978	157.2832794	No
22.16	1.993	294.3	153.9352634	153.4448501	No
22.16	2.031	319	181.9742025	177.1063015	Yes
22.17	1.935	304.8	170.2080831	166.711589	No
22.18	2.063	301	163.294883	169.4365559	No
22.18	1.691	299.1	160.3021067	161.1024455	No
22.17	1.695	292.4	151.8402112	151.4624976	No
22.17	1.463	297.1	157.451638	156.9110142	No
22.16	1.765	313.4	191.6169031	188.3669554	Yes
22.16	1.457	305.3	171.2186266	165.2389899	No
22.15	1.935	292.8	152.2626427	151.8903991	No
22.15	1.703	288.7	148.3777321	147.9489592	No
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22.13	1.918	282	143.9680589	143.3773807	No
22.12	1.305	288.5	148.2125295	145.6244533	No
22.11	1.871	289.3	148.8864702	145.9956134	No
22.11	1.804	284.5	145.3502763	146.5882979	No
22.1	1.41	283.3	144.6491348	144.4725279	No
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22.08	1.099	269.7	141.3057907	141.8971447	No

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21.94	1.348	248.4	152.9147416	161.0985148	No
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21.99	2.028	316.8	188.6095808	189.2400141	Yes
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21.97	2.41	319.3	181.1257634	180.1049407	Yes
21.97	3.006	331.9	154.8621634	155.7099214	No
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22.04	2.953	322.1	173.7955882	175.6258424	Yes
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241.4	162.3184643	20.2

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1.774	7.48
2.112	8.13
2.317	353.6
2.79	4.39
2.472	6.504
2.692	7.372
2.127	1.519
2.409	4.68
2.246	1.796
1.814	3.831
2.073	356
1.965	354.8
0.967	337.1
1.436	334.3
1.029	328.8
0.754	295
0.635	267.3
0.628	263.6
0.676	220.5
0.513	186.9
0.45	172
0.406	154.5
0.466	126.9
0.362	128.7
0.186	178.1
0.389	356.1
0.52	15.42
0.504	34.15
0.47	64.69
0.468	107.6
0.561	95.4
0.588	99.6
1.108	110.8
0.99	119.6
1.415	132.2
1.28	133.8
1.74	131.7
1.734	125
1.667	125.5
1.836	130.6
1.592	124
1.815	117.5
1.269	110.9
1.193	129.8
1.338	137.7
1.016	126.3
1.027	149.8
0.851	181.4
0.985	212.3
0.902	226.9

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136.3436192	21.92
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135.6229168	20.94
135.9423289	20.9
136.2167669	20.87
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151.4788997	20.82
159.8890273	20.8
154.7650203	20.77
141.5541247	20.77
142.4292686	20.76
175.7860767	20.77
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137.0961561	20.73
151.2154981	20.7
174.6252563	20.69
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135.9221983	20.64
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161.9607105	20.43
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142.919245	20.36
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192.8553266	20.45
186.6257896	20.41
170.6093072	20.41
171.6298847	20.42
183.6169505	20.42
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150.341502	20.37
181.5304128	20.33
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158.684756	20.32
194.9814553	20.34

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2.054	6.799	136.1665549	21.99	2.688	7.181	136.26345
2.603	5.594	135.9013182	21.99	3.157	5.795	135.9413124
2.548	354.3	136.3491176	21.97	3.262	354	136.4336422
3.279	4.588	135.7265745	21.87	4.028	3.241	135.5586343
3.111	8.76	136.7300548	21.61	3.789	4.486	135.711217
3.333	5.528	135.8885556	21.39	4.299	3.591	135.5950258
2.861	1.904	135.4662976	21.23	3.543	0.805	135.4456862
3.248	0.526	135.4483856	21.14	3.877	1.684	135.4581811
2.822	5.217	135.8308735	21.1	3.404	1.631	135.4565244
2.482	3.345	135.5689175	21.06	3.059	4.272	135.6804047
2.502	354.1	136.4050401	21.03	3.222	354.6	136.2684311
2.486	352.4	136.949775	21.01	3.143	355.4	136.0719483
1.337	325.8	165.5509953	20.97	1.607	335.6	149.8154124
1.705	333.5	152.5604335	20.95	2.19	335.9	149.4475739
1.466	329.2	159.1957351	20.93	1.635	330.2	157.5218261
1.052	294.3	153.9352634	20.9	1.152	298.9	160.0036074
0.852	267	141.6027124	20.88	1.097	263.1	142.5941034
0.779	262.3	142.8813029	20.87	1.018	258.6	144.5938692
1.061	228.2	192.2329492	20.87	1.132	220.8	176.5532489
0.844	197.1	141.0459134	20.85	0.915	189.1	136.8445673
0.698	182.6	135.5051412	20.82	0.797	179.5	135.4859439
0.586	157.3	147.8077356	20.79	0.728	157.5	147.5835656
0.711	127.2	175.2945059	20.78	0.793	128.2	177.5983781
0.564	128.7	178.7937782	20.77	0.613	129.2	180.0191816
0.247	152	154.712722	20.76	0.297	138.4	183.7103804
0.499	355.2	136.1185285	20.73	0.538	356.9	135.7762441
0.699	11.94	137.9993527	20.71	0.864	15	139.6529623
0.65	29.84	154.7724074	20.68	0.875	30.32	155.4981709
0.825	65.26	156.7054868	20.61	0.84	59.48	165.5495103
0.748	106.3	146.5361202	20.61	0.726	102	143.9680589
0.946	95	141.6372805	20.62	0.886	93.7	141.4436643
0.942	100	143.0755769	20.59	0.947	99.3	142.8067836
1.545	114.7	154.4054945	20.56	1.704	112.6	152.0502072
1.486	125.9	172.4646859	20.54	1.688	125.1	170.8114111
1.906	137.1	187.6599662	20.54	2.316	136.7	188.9294126
1.716	135	194.6299891	20.54	2.151	136.7	188.9294126
2.216	139.2	181.4071437	20.53	2.651	137.8	185.5005447
2.393	132.3	188.3385084	20.54	2.647	131.4	185.7886529
2.082	132	187.4756675	20.51	2.505	129.4	180.5179243
2.549	137.6	186.1096044	20.52	2.902	135.6	192.5597384
2.133	129.5	180.7691609	20.53	2.362	126.3	173.3161361
2.241	124.7	170.0089535	20.56	2.819	120.4	162.3184643
1.685	115.4	155.2536405	20.56	1.749	110.8	150.2462872
1.628	134.6	195.4097096	20.52	1.832	130.1	182.3031224
1.712	143.7	170.0444603	20.52	2.088	138.9	182.2598979
1.384	133.5	191.9241395	20.55	1.545	132	187.4756675
1.445	159.2	145.7762909	20.52	1.679	153	153.2595242
1.215	182.1	135.475212	20.49	1.462	178	135.6191797
1.432	215.7	164.946271	20.48	1.735	205.8	149.3262707
1.275	230	186.9076557	20.52	1.526	219.7	173.7955882

22.03	2.584	7.151	136.2556162	137.1519021	No
22.01	3.1	10.27	137.2771139	136.3314892	No
22	3.807	7.683	136.4002203	136.1856875	No
21.98	3.764	359.7	135.475212	136.3193554	No
21.86	4.856	5.777	135.9376617	135.648695	No
21.6	4.555	9.69	137.0552041	138.2850287	No
21.37	4.862	6.69	136.1400414	135.8133822	No
21.23	4.263	5.646	135.9115023	135.4533079	No
21.15	4.532	3.806	135.6198999	135.5575216	No
21.11	3.918	6.314	136.0524381	135.5534445	No
21.08	3.482	7.453	136.3362234	135.7548213	No
21.05	3.436	358.5	135.564413	136.2412294	No
21.03	3.287	359.5	135.4859439	136.2238779	No
20.99	1.786	338.6	146.3943767	159.6077806	No
20.96	2.436	338.4	146.6051528	151.1756013	No
20.95	2.044	331.8	155.0123664	159.6186872	No
20.92	1.469	304.4	169.4174385	154.049924	No
20.9	1.168	270.4	141.2801795	141.8913468	No
20.88	1.146	264.2	142.2462495	142.9089436	No
20.88	1.411	229.8	187.4756675	179.9666952	Yes
20.86	1.208	197.5	141.3360215	140.5291116	No
20.83	1.001	192.2	138.1230627	135.9743657	No
20.8	0.829	164.3	141.3360215	148.1981959	No
20.79	0.953	134.4	194.7612235	177.5857153	Yes
20.77	0.698	132.3	188.3385084	180.2395729	Yes
20.76	0.424	140.6	177.5942369	162.2652049	No
20.73	0.487	359.5	135.4859439	136.2006715	No
20.69	0.977	16.76	140.805642	138.914027	No
20.67	1.06	31.07	156.6680585	158.274096	No
20.62	1.109	65.6	156.2631643	157.5682942	No
20.6	0.878	105.7	146.1226545	148.5981031	No
20.62	1.211	95.2	141.6735922	141.813483	No
20.59	1.216	99.2	142.7702052	144.3790741	No
20.56	2.148	118.6	159.5615734	152.4318979	No
20.55	2.054	130.1	182.3031224	165.7589375	No
20.55	2.675	139.4	180.8458047	186.1632987	Yes
20.54	2.35	139.6	180.290119	190.6310832	Yes
20.51	2.982	140.9	176.811543	182.9140235	Yes
20.53	3.423	137	187.9748679	174.1966689	No
20.51	2.943	134.2	194.1193848	174.6874505	No
20.51	3.533	139.6	180.290119	178.8838759	Yes
20.51	2.991	129.9	181.7867003	174.33821	No
20.53	3.08	124.4	169.4174385	160.387593	No
20.53	2.178	115.3	155.1304872	150.6298681	No
20.5	2.099	136	191.2154206	185.9160996	Yes
20.51	2.499	143.1	171.416365	177.2084917	Yes
20.56	1.827	134.6	195.4097096	181.6890058	Yes
20.54	1.867	157	148.1486618	148.6567926	No
20.52	1.67	183.7	135.6073966	136.8977406	No
20.51	1.906	213.8	161.3176459	160.9421772	No
20.55	1.673	227.7	193.8009328	179.5007909	Yes

7/29/2019	6:51	20.27	0.677
7/29/2019	6:52	20.25	0.658
7/29/2019	6:53	20.21	0.369
7/29/2019	6:54	20.17	0.357
7/29/2019	6:55	20.12	0.078
7/29/2019	6:56	20.08	0.067
7/29/2019	6:57	20.05	0.128
7/29/2019	6:58	20.03	0.276
7/29/2019	6:59	20.02	0.352
7/29/2019	7:00	20.01	0.346
7/29/2019	7:01	20	0.481
7/29/2019	7:02	20.02	0.574
7/29/2019	7:03	20.04	0.597
7/29/2019	7:04	20.06	0.41
7/29/2019	7:05	20.07	0.343
7/29/2019	7:06	20.05	0.491
7/29/2019	7:07	20.05	0.394
7/29/2019	7:08	20.06	0.444
7/29/2019	7:09	20.06	0.347
7/29/2019	7:10	20.06	0.263
7/29/2019	7:11	20.07	0.145
7/29/2019	7:12	20.08	0.207
7/29/2019	7:13	20.09	0.255
7/29/2019	7:14	20.12	0.263
7/29/2019	7:15	20.13	0.3
7/29/2019	7:16	20.16	0.367
7/29/2019	7:17	20.17	0.602
7/29/2019	7:18	20.19	0.571
7/29/2019	7:19	20.19	0.526
7/29/2019	7:20	20.18	0.615
7/29/2019	7:21	20.17	0.518
7/29/2019	7:22	20.15	0.603
7/29/2019	7:23	20.14	0.598
7/29/2019	7:24	20.14	0.482
7/29/2019	7:25	20.14	0.47
7/29/2019	7:26	20.15	0.397
7/29/2019	7:27	20.18	0.405
7/29/2019	7:28	20.19	0.475
7/29/2019	7:29	20.22	0.492
7/29/2019	7:30	20.23	0.646
7/29/2019	7:31	20.24	0.642
7/29/2019	7:32	20.23	0.755
7/29/2019	7:33	20.24	0.552
7/29/2019	7:34	20.24	0.622
7/29/2019	7:35	20.23	0.448
7/29/2019	7:36	20.24	0.386
7/29/2019	7:37	20.25	0.439
7/29/2019	7:38	20.27	0.429
7/29/2019	7:39	20.29	0.483
7/29/2019	7:40	20.31	0.659
7/29/2019	7:41	20.32	0.601

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192.7	138.3696112	19.94
224.7	187.6599662	19.93
217.4	168.49455	19.93
181.3	135.4488008	19.93
150	157.8499471	19.92
136.4	189.898934	19.93
131.6	186.3453391	19.95
161.4	143.6871825	19.98
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214.1	161.8681603	20.01
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182.2	135.4803714	20.02
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207.5	151.4788997	20.05
202.7	145.8778326	20.08
202.4	145.5749597	20.1
215.2	163.9580918	20.13
225.4	189.898934	20.15
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241.8	161.6837847	20.17
225.6	190.5537426	20.16
243.8	158.6977847	20.13
255.7	146.3962542	20.11
238.2	167.8823409	20.1
224.4	186.7249594	20.1
218.4	170.7253164	20.12
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217.9	169.5961403	20.2
224	185.5005447	20.22
232.5	180.2679334	20.23
226.4	193.2425592	20.23
216.1	165.7545685	20.23
207.8	151.8792052	20.24
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220.6	176.0405229	20.24
219.1	172.3538995	20.26
207.6	151.6116385	20.28
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212.2	158.5161218	20.33
214.8	163.184934	20.35

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0.667	270.5
0.223	295.4
0.135	351.9
0.247	196.4
0.471	211.3
0.59	202.6
0.7	172.9
0.857	148.9
0.888	136.6
0.839	129.8
0.764	137.5
0.696	175
0.809	194.5
0.574	205.9
0.723	198.9
0.663	192.2
0.473	185
0.302	177.7
0.42	192.4
0.467	192
0.558	198.2
0.59	196.8
0.685	201.8
0.833	208.7
0.888	216.2
0.861	217
0.965	221
0.889	220.4
0.999	223.6
0.901	235
0.752	223.4
0.855	210.3
0.699	204.5
0.832	205.1
0.901	206.5
0.781	210.6
1.013	205.9
0.942	214.6
0.895	207.7
0.818	210.6
0.966	200.2
0.83	206.9
0.659	194.5
0.83	193
0.739	195.4
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0.937	200.4
0.849	202.2

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141.2782429	20.21
155.2536405	20.17
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140.557513	20.08
157.0357721	20.06
145.7762909	20.07
136.7766005	20.05
159.7144084	20.05
189.2509084	20.08
181.5304128	20.09
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139.3528135	20.1
149.4475739	20.12
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138.1230627	20.13
135.7930238	20.14
135.6570213	20.15
138.2203136	20.15
138.0276292	20.18
141.8632814	20.2
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144.9848547	20.25
153.1182603	20.26
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167.6326681	20.27
177.0711342	20.27
175.5328989	20.25
184.3010071	20.23
174.4043676	20.21
183.7103804	20.21
155.4675767	20.22
147.8077356	20.24
148.4952449	20.28
150.1891937	20.3
155.9297559	20.34
149.4475739	20.35
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151.7450728	20.36
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143.5106627	20.38
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139.3528135	20.42
138.5230334	20.44
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138.0751192	20.5
143.6871825	20.52
145.3759529	20.54

1.375	253.4	148.1307424	20.53	1.598	248.5	152.8045061
1.394	260.5	143.6345036	20.49	1.796	255.6	146.4659307
0.962	267.9	141.4686779	20.44	1.223	264.1	142.2756368
0.806	271.7	141.2885722	20.38	1.046	267.5	141.5239064
0.292	283.7	144.8750382	20.33	0.363	276.8	142.0271438
0.2	350.3	137.796957	20.27	0.231	305.6	171.8370419
0.291	203.1	146.2898835	20.24	0.35	200	143.3363204
0.709	210.2	155.3150699	20.22	0.787	205	148.379085
0.926	203.1	146.2898835	20.2	1.042	202.4	145.5749597
1.073	177.8	135.6439919	20.19	1.215	174.7	136.2423866
1.178	158.8	146.1859844	20.18	1.409	155.6	149.8154124
1.378	144	169.3736382	20.2	1.432	142	174.0400802
1.292	138.1	184.5985921	20.21	1.317	136.3	190.2254851
1.156	147	163.184934	20.23	1.19	141.6	175.0303206
1.022	179.7	135.475212	20.22	1.183	172.4	136.949775
1.203	196.1	140.355632	20.21	1.317	190.4	137.328883
1.018	206.4	150.0639356	20.21	1.039	201.6	144.7927354
1.01	200.2	143.5106627	20.22	1.182	194.2	139.1784222
0.917	197.4	141.262737	20.22	1.132	190.6	137.4099861
0.747	189.3	136.9142707	20.22	0.78	182.4	135.4919297
0.428	183	135.5365272	20.23	0.479	168.3	138.7879636
0.609	198.1	141.786421	20.23	0.727	186.9	136.1915717
0.77	198.2	141.8632814	20.24	0.769	187.3	136.2949008
0.755	197.8	141.5589225	20.26	0.932	191.8	137.9340071
0.921	195.8	140.1581671	20.29	0.951	190.3	137.2889944
1.014	204.8	148.1486618	20.31	1.223	197.6	141.4098131
1.346	210.3	155.4675767	20.33	1.408	203.3	146.4994658
1.25	219	172.1177686	20.33	1.56	211.6	157.5218261
1.384	216.3	166.1647422	20.33	1.609	211.1	156.7157803
1.37	220.7	176.2962446	20.32	1.579	215.4	164.3504379
1.294	219.5	173.3102392	20.31	1.518	213.2	160.24088
1.349	224	185.5005447	20.28	1.56	215.7	164.946271
1.233	233.2	178.5523232	20.27	1.46	225.1	188.9294126
1.156	220.8	176.5532489	20.26	1.264	213.3	160.4181218
1.235	211.5	157.3589946	20.27	1.445	206.9	150.6969261
1.114	209	153.5442409	20.29	1.262	203.3	146.4994658
1.224	205.7	149.2056183	20.32	1.413	199.1	142.5784051
1.313	208.9	153.4015168	20.35	1.478	201.8	144.9848547
1.218	212.8	159.540656	20.38	1.423	204.9	148.2635581
1.613	209.8	154.712722	20.38	1.701	203.1	146.2898835
1.45	217.5	168.7126952	20.38	1.605	207.8	151.8792052
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1.37	211.6	157.5218261	20.39	1.447	203.5	146.7114396
1.461	202.8	145.9799608	20.4	1.674	193.7	138.8971847
1.206	208	152.1495751	20.41	1.461	202.1	145.2773166
1.059	203.9	147.1426245	20.42	1.154	193.6	138.8423412
1.118	200.2	143.5106627	20.44	1.399	192.8	138.4202926
1.139	198.5	142.096964	20.48	1.333	189.7	137.0589052
1.272	200.5	143.7762629	20.5	1.346	191.8	137.9340071
1.337	205.2	148.6120398	20.53	1.639	197	140.9746448
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20.42	1.197	271.8	141.2922309	141.8324904	No
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20.31	0.414	223.1	182.8356637	142.138332	No
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20.28	1.28	213.1	160.0645165	151.533921	No
20.26	1.433	189.1	136.8445673	136.0279449	No
20.26	1.55	162.4	142.8262379	153.3914381	No
20.27	1.785	147.6	162.0534901	180.6408902	Yes
20.27	1.661	141.1	176.2962446	185.6749573	Yes
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20.27	1.274	179.8	135.4704656	136.154711	No
20.25	1.512	201	144.2299319	141.6517147	No
20.26	1.362	210.8	156.2417902	151.048318	No
20.26	1.42	207.2	151.0848301	148.6196374	No
20.27	1.175	199.3	142.7430964	144.6659865	No
20.27	0.942	192.6	138.3193881	137.3838114	No
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20.28	0.775	195.7	140.0933217	144.9904184	No
20.3	0.853	197.9	141.6342428	141.9161778	No
20.32	1.068	203.7	146.9258206	141.8085109	No
20.34	1.217	200.1	143.4232201	140.9639327	No
20.36	1.351	208.5	152.8379067	149.6253554	No
20.36	1.706	214.6	162.8040494	161.2460592	No
20.37	1.638	219.8	174.0400802	164.3995649	No
20.35	1.878	222.3	180.5672593	167.9471472	No
20.35	1.768	222.3	180.5672593	169.8504003	No
20.33	1.715	221.1	177.3320297	174.9094402	No
20.3	1.761	223.8	184.8977039	173.3614019	No
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20.4	1.944	216.2	165.9591491	162.7298813	No
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20.58	1.785	209.2	153.8318952	150.3344821	No

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7/29/2019	8:17	22.28	0.533
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7/29/2019	8:19	22.25	0.544
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1.344	202.8	145.9799608	20.94	1.394	194.5	139.3528135
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1.588	206.1	149.6921424	21.02	1.78	194.5	139.3528135
1.263	202.4	145.5749597	21.09	1.411	195.3	139.8387928
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1.348	215.6	164.7466785	21.22	1.692	205.5	148.9662571
1.466	213.3	160.4181218	21.24	1.767	202	145.1792559
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1.61	227.4	194.7612235	22.44	2.017	217	167.6326681
1.696	227.2	195.4097096	22.27	2.076	216.1	165.7545685
1.699	217	167.6326681	22.13	2.126	206.1	149.6921424
1.452	208.7	153.1182603	22.09	1.667	199	142.4968525
1.576	211	156.5569873	22.09	2.013	205.3	148.729472
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1.639	231.6	182.5632711	22.11	2.077	223.5	184.0049395
1.516	219.1	172.3538995	22.1	1.669	210.8	156.2417902
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20.69	1.657	193.5	138.7879636	135.9873103	No
20.71	1.605	198.3	141.9406579	140.0947014	No
20.76	1.649	196	140.2893212	136.5381319	No
20.79	1.62	193.7	138.8971847	135.8592309	No
20.81	1.629	202	145.1792559	141.6567222	No
20.87	1.4	205.8	149.3262707	144.5938168	No
20.91	1.497	199.8	143.1641434	137.7667048	No
20.93	1.974	203.2	146.3943767	142.4274466	No
20.91	1.517	205.5	148.9662571	141.0236447	No
20.95	1.67	204.8	148.1486618	142.8259821	No
20.97	1.825	198	141.7100752	137.4663655	No
21.01	1.824	210.8	156.2417902	151.7590031	No
21.01	2.092	205.5	148.9662571	145.0357105	No
21.08	1.631	207	150.8255466	143.5470519	No
21.15	2.021	200.8	144.0468045	140.6028585	No
21.21	1.853	215.1	163.7633675	155.8119113	No
21.22	2.053	212.6	159.1957351	154.1979522	No
21.26	1.881	215.8	165.1468514	160.2610246	No
21.29	2.233	206.3	149.9393426	146.5988081	No
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21.58	2.069	218.4	170.7253164	162.4494331	No
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22.02	1.735	223.4	183.7103804	171.1239526	No
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22.41	2.158	225.5	190.2254851	180.8908852	Yes
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22.05	2.086	212.5	159.0245589	146.5748333	No
22.03	2.407	212	158.1813694	153.9879973	No
22.08	2.045	223.4	183.7103804	172.6277936	No
22.06	2.279	230.5	185.5124012	185.6726015	Yes
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22.01	2.066	215.1	163.7633675	156.9891737	No
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22.06	1.755	227	195.3347893	176.929164	Yes
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7/29/2019	9:02	23.18	0.508
7/29/2019	9:03	23.19	0.38
7/29/2019	9:04	23.21	0.395
7/29/2019	9:05	23.32	0.43
7/29/2019	9:06	23.5	0.323
7/29/2019	9:07	23.66	0.314
7/29/2019	9:08	23.74	0.332
7/29/2019	9:09	23.81	0.406
7/29/2019	9:10	23.83	0.304
7/29/2019	9:11	23.84	0.414
7/29/2019	9:12	23.96	0.458
7/29/2019	9:13	24.03	0.497
7/29/2019	9:14	24.05	0.556
7/29/2019	9:15	24.14	0.448
7/29/2019	9:16	24.38	0.387
7/29/2019	9:17	24.52	0.407
7/29/2019	9:18	24.51	0.52
7/29/2019	9:19	24.42	0.386
7/29/2019	9:20	24.34	0.593
7/29/2019	9:21	24.26	0.453
7/29/2019	9:22	24.22	0.413
7/29/2019	9:23	24.25	0.518

197.8	141.5589225	22.32
208.6	152.9777221	22.38
226.4	193.2425592	22.43
217.9	169.5961403	22.55
230.2	186.3453391	22.76
217.3	168.2774801	23.04
217.9	169.5961403	23.51
220.4	175.5328989	23.62
231.4	183.0874794	23.5
231.5	182.824721	23.29
218.5	170.9545255	23.15
204.6	147.9207527	23.07
221	177.0711342	23.04
213.3	160.4181218	23.04
209.4	154.1225109	22.98
209.6	154.4161117	22.92
241.2	162.6406568	22.88
218.7	171.416365	22.86
189.3	136.9142707	22.95
183.9	135.6313781	23.05
224	185.5005447	23.12
216.6	166.7876462	23.09
197	140.9746448	23.06
211.8	157.8499471	23.07
198.1	141.786421	23.13
210.7	156.0853794	23.26
197.4	141.262737	23.36
196.5	140.6257933	23.47
206.7	150.441715	23.51
205.2	148.6120398	23.46
217.2	168.0614801	23.44
217.6	168.9319213	23.46
217.1	167.8465446	23.6
215.4	164.3504379	23.84
216.3	166.1647422	24.09
201	144.2299319	24.2
205.9	149.4475739	24.24
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209.7	154.5640391	24.19
200.1	143.4232201	24.29
199.3	142.7430964	24.38
201.1	144.3223303	24.38
213	159.8890273	24.43
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219	172.1177686	24.88
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216	165.5509953	24.37
195.5	139.9650888	24.43

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0.885	212.5
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0.88	226.7
1.01	216.2
0.948	210.5
0.718	212
0.545	214.6
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0.875	216
0.8	237.1
0.636	203.2
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1.004	230.3
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0.737	202.7
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0.834	211.6
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1.007	213.6
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1.389	195
1.368	206
1.25	206.3
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1.326	205.4
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1.598	190.8
1.401	194
1.202	195.1
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194.2803784	23.39
165.9591491	23.23
155.7749165	23.13
158.1813694	23.08
162.8040494	23.11
158.3483275	23.11
155.1633342	23.06
165.5509953	23.03
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144.3223303	23.17
142.6604859	23.23
145.8778326	23.36
144.5088047	23.4
138.2696225	23.52
143.6871825	23.51
145.3759529	23.46
157.5218261	23.45
161.8681603	23.46
144.6028841	23.59
160.955157	23.78
140.4897269	24
138.6276173	24.08
138.8971847	24.13
155.1633342	24.1
145.3759529	24.07
142.25535	24.19
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139.6529623	24.22
149.5695304	24.27
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146.6051528	24.42
137.4928614	24.35
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139.7144254	24.25
136.5220169	24.32

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1.195	213.7	161.1359522	22.25	1.585	206.9	150.6969261
0.849	227.4	194.7612235	22.31	0.948	219.6	173.55231
0.91	226.5	193.5866754	22.42	1.147	221.9	179.4670474
1.421	221.6	178.6563324	22.59	1.778	212	158.1813694
1.041	217.7	169.1522337	22.78	1.246	210.9	156.3989918
1.009	214.1	161.8681603	23.14	1.408	206.5	150.1891937
1.027	227.8	193.4841124	23.17	1.361	224.7	187.6599662
1.218	228.7	190.7045403	23.08	1.428	224.2	186.1096044
1.337	222	179.7400211	22.95	1.617	216.3	166.1647422
1.277	213.4	160.5962459	22.87	1.542	209.7	154.5640391
0.926	215.3	164.1537804	22.83	1.206	209.8	154.712722
0.704	218.2	170.2702897	22.87	0.997	209.1	153.6876994
1.29	217.6	168.9319213	22.9	1.592	213.2	160.24088
1.209	215	163.5696028	22.86	1.623	209	153.5442409
1.135	217.1	167.8465446	22.84	1.398	213	159.8890273
1.072	241.7	161.8412498	22.82	1.335	233.7	177.3628294
0.632	203.1	146.2898835	22.86	0.866	202	145.1792559
0.742	187.7	136.4050401	22.97	0.944	184.9	135.7762441
0.923	183.3	135.564413	23.05	1.196	177.6	135.6704665
1.298	233.8	177.1284437	23.07	1.651	226.7	194.2803784
1.415	233.1	178.7937782	23.02	1.648	227.9	193.1689136
1.121	199.9	143.249962	22.99	1.342	194.7	139.4714437
0.582	209.8	154.712722	23	0.651	203.5	146.7114396
0.717	202.1	145.2773166	23.03	0.809	202.7	145.8778326
0.844	212	158.1813694	23.16	0.985	206.1	149.6921424
0.957	206.5	150.1891937	23.2	1.208	199.7	143.0788632
0.734	203.4	146.6051528	23.31	0.811	196.1	140.355632
1.11	213.3	160.4181218	23.29	1.574	202.3	145.4751667
1.181	212.6	159.1957351	23.23	1.495	201.4	144.6028841
1.024	220.1	174.7809062	23.22	1.194	214.4	162.4269132
1.092	219.9	174.2857928	23.24	1.331	210.9	156.3989918
1.027	213.2	160.24088	23.36	1.495	201.5	144.6975271
0.917	225.6	190.5537426	23.52	1.135	216.3	166.1647422
0.874	207.8	151.8792052	23.71	1.004	197.5	141.3360215
0.763	202.5	145.6753339	23.78	0.971	195.7	140.0933217
0.994	201.7	144.8885107	23.82	1.216	197.5	141.3360215
0.932	221.6	178.6563324	23.79	1.274	213	159.8890273
1.141	211.3	157.0357721	23.75	1.593	201.7	144.8885107
1.101	206.4	150.0639356	23.86	1.48	198.7	142.25535
1.177	207.1	150.9548471	23.92	1.418	196.8	140.8336095
1.578	207.3	151.2154981	23.88	1.874	197.8	141.5589225
1.374	211.7	157.6854758	23.92	1.911	205.2	148.6120398
1.33	212.2	158.5161218	24.17	1.84	206.2	149.8154124
1.503	221	177.0711342	24.23	1.942	213.1	160.0645165
1.442	214.1	161.8681603	24.13	1.899	204.1	147.3618674
1.344	212.7	159.3677662	24.03	1.799	204.7	148.034394
1.738	200.7	143.9560723	23.98	2.204	191.5	137.796957
1.51	202.3	145.4751667	23.92	1.976	193	138.5230334
1.293	206.6	150.3151193	23.92	1.664	200.1	143.4232201
1.312	197	140.9746448	24.01	1.831	188.3	136.5830783

22.2	1.787	211.7	157.6854758	147.4382196	No
22.2	1.833	219.1	172.3538995	154.5175311	No
22.26	1.25	227.9	193.1689136	188.370058	Yes
22.37	1.429	229.3	188.9210494	182.814861	Yes
22.52	2.026	220.5	175.7860767	171.9824299	No
22.7	1.556	217.5	168.7126952	163.2133161	No
23.07	1.706	217.2	168.0614801	159.2802677	No
23.08	1.564	231.7	182.3031224	187.3943071	Yes
22.99	1.695	234.2	176.202409	188.5455006	Yes
22.87	1.96	226	191.884056	173.6721583	No
22.8	1.88	219.2	172.5912057	160.4724317	No
22.79	1.46	220.8	176.5532489	156.2421561	No
22.84	1.195	219.6	173.55231	165.9582931	No
22.86	2.005	221.5	178.3888034	161.9848126	No
22.83	1.896	219	172.1177686	156.5999222	No
22.8	1.798	222.9	182.2598979	161.9256697	No
22.79	1.546	239.1	166.2266321	167.9634224	No
22.85	0.965	210.4	155.6208578	152.3199703	No
22.97	1.031	194.9	139.5919783	136.2495106	No
23.06	1.47	190.1	137.21054	135.6921863	No
23.06	1.992	233.2	178.5523232	185.400321	Yes
22.99	2.16	231.5	182.824721	181.2041586	Yes
22.95	1.67	200.1	143.4232201	140.6075253	No
22.98	0.87	214	161.6837458	150.8991098	No
23.04	1.134	206.5	150.1891937	143.900514	No
23.16	1.17	208.1	152.2858181	152.4591809	No
23.17	1.466	207.6	151.6116385	144.7598997	No
23.3	1.121	201.6	144.7927354	141.4640501	No
23.26	1.728	209.5	154.2689366	150.0055465	No
23.2	1.849	210.2	155.3150699	149.446653	No
23.2	1.42	220.2	175.0303206	165.6977814	No
23.21	1.543	219.5	173.3102392	165.3712165	No
23.32	1.614	212.8	159.540656	154.3469589	No
23.5	1.287	223.1	182.8356637	170.5060199	No
23.72	1.229	204.2	147.4724086	149.9674239	No
23.8	1.189	198.9	142.4158267	142.1565512	No
23.84	1.47	202.4	145.5749597	143.6423227	No
23.79	1.392	218.9	171.8828066	161.6018763	No
23.72	1.781	209.6	154.4161117	150.4660687	No
23.81	1.729	205.3	148.729472	144.4994639	No
23.88	1.825	205.3	148.729472	143.5157564	No
23.81	2.327	208.3	152.5604335	144.1874283	No
23.85	2.14	210.9	156.3989918	153.9390183	No
24.09	2.065	211.7	157.6854758	162.7076538	No
24.15	2.325	221	177.0711342	166.5321983	No
24.07	2.173	211.6	157.5218261	155.856499	No
23.96	2.122	210.9	156.3989918	153.300762	No
23.91	2.59	199.6	142.9941199	140.8459953	No
23.85	2.41	202	145.1792559	139.8012931	No
23.85	1.935	203.3	146.4994658	149.75094	No
23.97	2.045	194.3	139.23608	138.5112072	No

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7/29/2019	9:25	24.39	0.534
7/29/2019	9:26	24.48	0.429
7/29/2019	9:27	24.51	0.374
7/29/2019	9:28	24.61	0.499
7/29/2019	9:29	24.66	0.525
7/29/2019	9:30	24.69	0.47
7/29/2019	9:31	24.79	0.573
7/29/2019	9:32	24.88	0.515
7/29/2019	9:33	24.99	0.633
7/29/2019	9:34	24.98	0.51
7/29/2019	9:35	24.99	0.46
7/29/2019	9:36	25	0.42
7/29/2019	9:37	25.05	0.45
7/29/2019	9:38	25.24	0.685
7/29/2019	9:39	25.32	0.682
7/29/2019	9:40	25.23	0.417
7/29/2019	9:41	25.11	0.398
7/29/2019	9:42	24.98	0.412
7/29/2019	9:43	25.05	0.496
7/29/2019	9:44	25.1	0.454
7/29/2019	9:45	25.17	0.401
7/29/2019	9:46	25.18	0.49
7/29/2019	9:47	25.34	0.377
7/29/2019	9:48	25.43	0.442
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7/29/2019	9:50	25.53	0.343
7/29/2019	9:51	25.41	0.33
7/29/2019	9:52	25.29	0.436
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7/29/2019	9:55	24.91	0.453
7/29/2019	9:56	24.77	0.441
7/29/2019	9:57	24.66	0.568
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7/29/2019	9:59	24.43	0.44
7/29/2019	10:00	24.37	0.418
7/29/2019	10:01	24.34	0.542
7/29/2019	10:02	24.28	0.591
7/29/2019	10:03	24.19	0.478
7/29/2019	10:04	24.09	0.414
7/29/2019	10:05	24.03	0.513
7/29/2019	10:06	24	0.477
7/29/2019	10:07	24.03	0.455
7/29/2019	10:08	24.07	0.505
7/29/2019	10:09	24.07	0.389
7/29/2019	10:10	24.11	0.363
7/29/2019	10:11	24.14	0.426
7/29/2019	10:12	24.2	0.533
7/29/2019	10:13	24.23	0.616
7/29/2019	10:14	24.27	0.423

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194.7	139.4714437	24.66
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201.3	144.5088047	24.91
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202.8	145.9799608	24.97
197.9	141.6342428	25.11
210	155.0123664	25.22
208	152.1495751	25.39
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199.9	143.249962	25.95
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216.5	166.5789856	25.67
215.9	165.3484246	25.43
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216.3	166.1647422	25.58
223.3	183.4173207	25.68
209.6	154.4161117	25.69
219.6	173.55231	25.87
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236.5	171.2186266	26.03
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206.8	150.5689831	25.67
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233.3	178.312062	24.99
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218.9	171.8828066	24.78
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214	161.6837458	24.48
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1.765	198.9
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1.504	208.3
1.166	192.4
1.169	181.8
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1.246	220.7
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1.205	211.9
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1.093	214.4
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1.463	214.9
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1.211	214.8
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1.436	210.3
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0.903	205.7
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1.267	207.2
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1.62	197.4
1.258	206.5

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140.7638403	24.95
152.9777221	24.96
152.5604335	24.96
138.2203136	25.01
135.4622116	25.25
135.6073966	25.3
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159.7144084	25.05
149.3262707	24.88
152.2858181	25
156.3989918	25.05
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180.8458047	25.42
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162.6150149	25.09
162.4269132	24.92
159.540656	24.7
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153.6876994	24.26
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150.3151193	24.26
155.4675767	24.18
162.4269132	24.1
161.3176459	24.02
147.4724086	23.96
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143.249962	24
149.2056183	24.07
154.4161117	24.09
149.2056183	24.13
151.0848301	24.17
139.008273	24.22
141.262737	24.24
150.1891937	24.28

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1.612	195.3	139.8387928	24.19	2.113	188.6	136.6778973
1.473	218.5	170.9545255	24.28	2.083	210.9	156.3989918
1.406	209.1	153.6876994	24.27	1.779	203.7	146.9258206
1.807	192.6	138.3193881	24.39	2.24	183.4	135.5745369
1.895	191.9	137.9805921	24.41	2.428	185.8	135.9423289
1.462	198.9	142.4158267	24.43	2.072	195.9	140.2234999
1.719	197	140.9746448	24.54	2.481	189.9	137.1338452
1.948	201.7	144.8885107	24.53	2.574	194.8	139.5314724
1.993	206	149.5695304	24.57	2.565	199.1	142.5784051
1.735	206.7	150.441715	24.54	2.346	197.7	141.484113
1.647	218.7	171.416365	24.55	2.225	211.2	156.8753741
1.635	216.5	166.5789856	24.55	2.288	208.8	153.2595242
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1.606	187.8	136.4336422	24.8	1.777	182.4	135.4919297
1.773	193.1	138.5750946	24.81	2.374	185	135.7930238
1.33	217.8	169.3736382	24.62	1.875	207.7	151.7450728
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1.671	216.3	166.1647422	24.39	1.895	211.8	157.8499471
1.499	218.2	170.2702897	24.54	1.966	210.9	156.3989918
1.571	221.4	178.1226162	24.6	2.093	215.8	165.1468514
1.515	230.7	184.9640411	24.67	2.051	223	182.5470487
1.525	210.1	155.1633342	24.62	2.078	201.7	144.8885107
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1.299	231.5	182.824721	24.91	1.863	225.9	191.5488631
1.322	238.9	166.5881931	24.95	1.72	232.9	179.2802945
1.319	224.5	187.035022	24.75	1.63	218.7	171.416365
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1.47	223.7	184.5985921	24.53	1.739	218.5	170.9545255
1.502	221.9	179.4670474	24.34	1.896	214.6	162.8040494
1.309	231.4	183.0874794	24.25	1.779	224.8	187.9748679
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1.618	213.1	160.0645165	23.78	2.272	207.1	150.9548471
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1.222	207.5	151.4788997	23.81	1.543	200.6	143.8658923
1.261	216.2	165.9591491	23.89	1.343	211.5	157.3589946
1.271	218.2	170.2702897	23.9	1.625	213.6	160.955157
1.272	213.9	161.5002424	23.94	1.618	207.2	151.0848301
1.31	218.3	170.4972397	23.96	1.811	209.8	154.712722
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1.682	205.5	148.9662571	24.02	2.328	196.4	140.557513
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24.46	3.022	200.6	143.8658923	144.6816399	No
24.5	3.059	207	150.8255466	146.6783343	No
24.5	2.647	204.6	147.9207527	145.7197155	No
24.51	2.522	218.9	171.8828066	161.7560074	No
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24.78	2.785	196.6	140.6945686	138.3063692	No
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24.54	1.761	223.9	185.1983516	165.9809914	No
24.57	1.687	223	182.5470487	180.5588352	Yes
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23.89	2.126	225.3	189.5740787	174.5247982	No
23.92	2.209	212.1	158.3483275	155.5173158	No
23.85	2.538	221.8	179.1954466	166.5757784	No
23.79	2.716	225.7	190.8837175	180.429963	Yes
23.72	2.296	225.4	189.898934	178.9515536	Yes
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23.73	1.892	206.6	150.3151193	146.0927612	No
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7/29/2019	10:19	24.36	0.588
7/29/2019	10:20	24.4	0.7
7/29/2019	10:21	24.43	0.645
7/29/2019	10:22	24.44	0.72
7/29/2019	10:23	24.49	0.641
7/29/2019	10:24	24.5	0.598
7/29/2019	10:25	24.57	0.528
7/29/2019	10:26	24.6	0.611
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7/29/2019	10:28	24.63	0.635
7/29/2019	10:29	24.64	0.557
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7/29/2019	10:31	24.61	0.628
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187.5	136.3491176	25.25
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1.193	192.7
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1.161	195	139.6529623	24.55	1.566	188.3	136.5830783
1.208	201.9	145.0817692	24.58	1.397	192.4	138.2203136
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1.244	217.8	169.3736382	24.67	1.564	211.7	157.6854758
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1.44	209.2	153.8318952	24.67	1.72	202.2	145.3759529
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1.379	193	138.5230334	24.56	1.639	184.2	135.6704665
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23.85	2.24	213.3	160.4181218	155.1355938	No
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24.48	2.219	194.7	139.4714437	136.6178521	No
24.45	1.649	205.6	149.0856146	147.8649631	No
24.48	2.157	188.2	136.5523328	135.6220541	No
24.47	2.171	195.8	140.1581671	140.1338529	No
24.43	2.334	190.5	137.3692134	135.9152052	No
24.46	1.72	189.7	137.0589052	135.5714116	No
24.48	1.771	193.5	138.7879636	140.3702146	No
24.52	1.705	200.1	143.4232201	143.405831	No
24.59	1.699	196.5	140.6257933	138.0080449	No
24.61	1.669	214.3	162.2397397	159.5016642	No
24.61	1.65	210.2	155.3150699	153.6332192	No
24.6	1.982	208.8	153.2595242	148.3200218	No
24.56	1.775	220.4	175.5328989	178.4387215	Yes
24.56	1.84	206.1	149.6921424	145.1680026	No
24.52	2.008	216.7	166.9973396	164.4090402	No
24.47	2.022	207.5	151.4788997	148.2130245	No
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24.52	2.507	204.4	147.6953406	141.9022291	No

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7/29/2019	11:26	24.69	0.403
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1.458	236.8	170.6093072	24.62	1.84	232.9	179.2802945
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1.318	245.2	156.7843776	24.85	1.514	240.7	163.4605101
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2.192	236	172.2544374	25.79	2.847	228.1	192.5433417
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2.082	208.3	152.5604335	25.52	2.597	201.7	144.8885107
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1.561	244.2	158.1366964	25.53	2.07	240.2	164.3012465
1.514	219.5	173.3102392	25.68	1.926	214.7	162.994021
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24.47	1.947	214.4	162.4269132	167.3211232	No
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24.43	2.095	214.1	161.8681603	156.0854866	No
24.45	2.171	209.3	153.9768314	144.179954	No
24.44	2.242	221.4	178.1226162	174.951526	No
24.44	2.235	230.7	184.9640411	187.6048566	Yes
24.46	1.888	215	163.5696028	159.0459039	No
24.49	2.439	217	167.6326681	162.3700409	No
24.5	2.041	217.1	167.8465446	162.9833834	No
24.55	1.944	210.8	156.2417902	153.0237415	No
24.59	2.04	207.5	151.4788997	146.6649328	No
24.67	1.5	210.7	156.0853794	158.2947857	No
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24.69	1.797	221	177.0711342	174.937771	No
24.65	1.973	222.9	182.2598979	179.7891504	Yes
24.61	1.553	233.5	177.8350956	187.5659098	Yes
24.58	1.971	235.7	172.8883094	170.3947542	No
24.58	1.532	221.8	179.1954466	179.9129502	Yes
24.62	1.771	215.8	165.1468514	160.180654	No
24.64	1.497	223.5	184.0049395	179.8799993	Yes
24.72	1.318	226.5	193.5866754	182.3651282	Yes
24.81	1.616	244.1	158.2758734	158.7777746	No
24.84	2.128	235.4	173.5316387	177.3872115	Yes
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25.28	2.253	241	162.9661204	165.6249441	No
25.72	2.667	226.8	194.6299891	186.8867115	Yes
25.58	3.293	232	181.5304128	178.8963518	Yes
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25.36	2.996	207.3	151.2154981	148.5636129	No
25.25	3.512	213.3	160.4181218	148.7709603	No
25.27	2.728	237.6	169.0279442	171.2458246	No
25.26	3.331	242.7	160.3021067	162.8917026	No
25.16	2.743	233	179.0364331	184.3258676	Yes
25.19	2.339	228.1	192.5433417	183.6664645	Yes
25.27	2.523	248.2	153.1370917	155.0046501	No
25.42	2.347	243	159.8555038	157.8932559	No
25.55	2.149	219.5	173.3102392	171.4407241	No
25.63	2.411	221	177.0711342	179.1765615	Yes
25.54	2.971	220.1	174.7809062	166.061859	No
25.47	3.366	223.3	183.4173207	173.320841	No
25.49	2.75	230	186.9076557	186.0168771	Yes
25.46	3.054	235.7	172.8883094	172.8416024	No
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25.55	1.964	240.3	164.1314071	166.1161241	No

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1.008	247.6
1.17	263.7
1.315	276.8
1.64	278
1.594	279.1
1.864	278.3
1.586	274.9
1.623	282.6
1.396	266.9
1.723	263.6
1.386	273.7
1.523	254.2
1.478	264.6
1.097	261.2
1.062	273.5
1.121	269.4
1.798	269.2
1.686	253.6
1.352	273.6
1.607	252.2
1.733	258.7
1.676	263.9
1.41	265.3
1.72	249.9
1.409	258.8
1.488	262.1
1.315	270.6
1.261	255.4
1.416	264.8
1.287	277.1
1.625	285.2
1.21	277.1
1.459	271.8
1.508	287.4
1.566	271.2
1.597	285.6

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150.341502	25.84
146.5361202	25.83
145.1683796	25.75
144.4309631	25.69
154.0518489	25.67
142.1607573	25.68
163.6269725	25.71
166.9533691	25.76
147.5733027	25.67
141.6197787	25.58
144.7048835	25.57
154.6445213	25.58
165.1633188	25.61
151.0243214	25.69
153.8193224	25.8
142.397648	25.95
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142.366475	26.84
142.7340803	26.81
142.4613373	27.01
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144.2723744	27.01
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147.4958051	27.12
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141.4203824	26.5
141.3232279	26.6
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141.431807	26.66
149.1482972	26.56
144.539086	26.27
142.3357491	26.13
141.9522815	26.36
151.3257947	26.56
144.4847842	26.67
142.9576428	26.99
141.2767366	26.98
146.6068237	26.98
142.0792607	27.06
142.105983	27.22
145.7920604	27.01
142.105983	26.73
141.2922309	26.6
147.3423991	26.73
141.2767366	26.94
146.0555256	26.87

1.535	247.4	154.0518489	25.67	1.875	243.7	158.8398912
1.64	251.9	149.4151502	25.67	2.165	248.8	152.4775331
1.341	257.7	145.1087319	25.66	1.844	254.9	146.9680947
1.466	258.8	144.4847842	25.59	2.088	254.7	147.1162438
1.703	259.4	144.169036	25.54	2.233	251.8	149.5052253
1.705	247.3	154.1690811	25.53	2.284	248.7	152.5859038
1.889	268	141.4559546	25.54	2.581	261.8	143.0755769
1.424	241.4	162.3184643	25.57	1.843	238.7	166.9533691
2.043	242.1	161.2161624	25.62	2.472	238.9	166.5881931
1.796	255.9	146.2584353	25.54	2.422	252.7	148.7146909
1.676	271.7	141.2885722	25.47	2.383	265.5	141.9045775
1.312	258.8	144.4847842	25.46	1.908	255.3	146.6780426
1.588	245.4	156.5223835	25.47	1.924	243.2	159.5615734
1.773	240	164.6434892	25.5	2.086	238.6	167.137323
1.464	254.1	147.5733027	25.58	1.775	251.1	150.1516501
1.29	251.7	149.595865	25.68	1.73	247.1	154.4054945
1.409	267.4	141.5387984	25.79	1.969	261.9	143.0358082
1.528	278.9	142.6631883	26.2	2.144	276.8	142.0271438
1.926	278.8	142.6284203	26.62	2.589	274.6	141.5698857
1.893	281.7	143.8222881	26.55	2.524	276.9	142.0529811
2.16	280.3	143.1976347	26.72	2.9	275.2	141.6735922
1.81	278.1	142.397648	26.7	2.537	273.5	141.4203824
1.954	284.3	145.2285189	26.75	2.486	276.2	141.8813857
1.725	270	141.2922309	27.08	2.317	266.9	141.6197787
2.052	267.2	141.5698857	27.08	2.833	262.4	142.843816
1.561	275.4	141.7116497	26.93	2.235	271	141.2750152
1.774	256.8	145.663343	26.76	2.339	252.7	148.7146909
1.73	268	141.4559546	26.57	2.395	262.9	142.6631883
1.232	261.8	143.0755769	26.29	1.814	260.1	143.8222881
1.307	272.7	141.344545	26.24	1.893	267.1	141.5860815
1.321	274.6	141.5698857	26.34	2.004	268.6	141.3887034
2.003	270.5	141.2782429	26.5	2.894	266.3	141.7313339
2.136	255.5	146.5361202	26.44	2.859	252.1	149.2366877
1.604	276.7	142.0017483	26.38	2.195	272	141.30084
2.075	256.4	145.922785	26.31	2.737	253.7	147.8886214
2.147	258.1	144.8750382	26.04	2.974	255.4	146.6068237
2.008	265	142.0271438	25.91	2.846	259.7	144.0175927
1.769	269.7	141.3057907	26.1	2.398	265.5	141.9045775
2.128	250	151.2247092	26.3	2.765	247.3	154.1690811
1.64	260.9	143.4541915	26.41	2.28	258.5	144.6491348
1.622	264.2	142.2462495	26.7	2.322	261.9	143.0358082
1.44	271.9	141.2963201	26.67	2.082	266.2	141.7514553
1.54	258.9	144.4309631	26.68	2.041	255.3	146.6780426
1.594	271.1	141.2756607	26.72	2.196	269.9	141.2963201
1.372	280.5	143.2813061	26.91	2.054	274.5	141.5541247
1.888	289.2	148.8003043	26.73	2.578	286.7	146.8220309
1.483	282.4	144.169036	26.46	1.991	279	142.6984082
1.659	276.9	142.0529811	26.34	2.301	274.6	141.5698857
1.863	289.7	149.2366877	26.49	2.421	285.3	145.8571712
1.774	274.5	141.5541247	26.68	2.535	270	141.2922309
1.989	286.6	146.7497779	26.61	2.619	283.3	144.6491348

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25.54	2.593	251.8	149.5052253	149.2347672	No
25.53	1.952	260.1	143.8222881	145.2147991	No
25.46	2.247	257	145.5366244	144.5304802	No
25.42	2.544	254.2	147.4958051	146.4196318	No
25.42	2.48	254.4	147.3423991	153.7146707	No
25.42	2.759	266.6	141.6735922	142.227399	No
25.47	2.141	242.7	160.3021067	163.0423663	No
25.5	2.803	243.8	158.6977847	163.8025583	No
25.43	2.65	257.8	145.0495749	146.744348	No
25.37	2.556	267.3	141.5541247	141.5997525	No
25.36	2.051	261.5	143.1976347	145.0091866	No
25.38	2.111	248	153.3619607	154.8183984	No
25.4	2.504	241.6	161.9995159	162.3284777	No
25.48	2.049	256.3	145.9889028	149.4743929	No
25.57	1.938	248.1	153.2492103	149.7792505	No
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26.06	2.387	282.9	144.4309631	143.691743	No
26.41	2.978	280.4	143.23924	144.8698806	No
26.28	2.84	282.3	144.1180804	145.0347769	No
26.43	3.186	279.3	142.8067836	144.3241666	No
26.42	2.745	276.6	141.9767943	142.6515472	No
26.5	2.758	282.2	144.0675996	145.1993573	No
26.82	2.535	272.1	141.3057907	141.6801496	No
26.72	3.096	267.4	141.5387984	142.1338432	No
26.53	2.499	273.7	141.4436643	143.2438612	No
26.39	2.645	258.4	144.7048835	146.052397	No
26.26	2.646	268.6	141.3887034	141.9335315	No
26.01	1.899	266.3	141.7313339	143.095614	No
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26.13	2.138	275.7	141.7720144	142.125571	No
26.24	3.079	269.6	141.3111722	142.3787411	No
26.15	3.18	257.8	145.0495749	147.2425291	No
26.13	2.339	276.4	141.9282093	142.0253046	No
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25.81	3.41	261.1	143.3668232	144.6977883	No
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25.88	2.63	270.9	141.2748	141.8900744	No
26.03	3.161	252.7	148.7146909	150.1474981	No
26.14	2.495	262.7	142.7340803	143.4691707	No
26.41	2.464	268.3	141.4203824	142.4096328	No
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26.45	2.425	276.1	141.8586336	141.7317196	No
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26.48	2.819	292.3	151.7361232	149.044854	No
26.23	2.184	283.6	144.8178344	144.8287323	No
26.13	2.472	280	143.0755769	141.5483351	No
26.28	2.623	291	150.437296	147.6621969	No
26.44	2.754	276.3	141.9045775	141.6542367	No
26.36	2.963	285.9	146.2584353	147.5100855	No

7/29/2019	12:48	27.31	0.586
7/29/2019	12:49	27.29	0.76
7/29/2019	12:50	27.25	0.747
7/29/2019	12:51	27.21	0.508
7/29/2019	12:52	27.29	0.497
7/29/2019	12:53	27.22	0.445
7/29/2019	12:54	27.26	0.584
7/29/2019	12:55	27.4	0.383
7/29/2019	12:56	27.51	0.452
7/29/2019	12:57	27.53	0.478
7/29/2019	12:58	27.61	0.408
7/29/2019	12:59	27.6	0.648
7/29/2019	13:00	27.57	0.545
7/29/2019	13:01	27.62	0.467
7/29/2019	13:02	27.78	0.424
7/29/2019	13:03	27.73	0.309
7/29/2019	13:04	27.55	0.429
7/29/2019	13:05	27.4	0.522
7/29/2019	13:06	27.29	0.439
7/29/2019	13:07	27.17	0.523
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7/29/2019	13:10	27.6	0.523
7/29/2019	13:11	27.72	0.476
7/29/2019	13:12	27.88	0.357
7/29/2019	13:13	28.03	0.496
7/29/2019	13:14	28.17	0.394
7/29/2019	13:15	28.33	0.537
7/29/2019	13:16	28.3	0.528
7/29/2019	13:17	28.3	0.385
7/29/2019	13:18	28.38	0.432
7/29/2019	13:19	28.5	0.291
7/29/2019	13:20	28.58	0.608
7/29/2019	13:21	28.42	0.488
7/29/2019	13:22	28.35	0.552
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7/29/2019	13:24	28.3	0.425
7/29/2019	13:25	28.3	0.46
7/29/2019	13:26	28.41	0.318
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7/29/2019	13:28	28.7	0.48
7/29/2019	13:29	28.74	0.657
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7/29/2019	13:31	28.7	0.467
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7/29/2019	13:33	28.63	0.677
7/29/2019	13:34	28.66	0.501
7/29/2019	13:35	28.65	0.405
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7/29/2019	13:37	28.67	0.46
7/29/2019	13:38	28.68	0.537

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278	142.366475	27.06
293.2	152.6948941	27.17
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274.6	141.5698857	27.15
278.1	142.397648	27.33
269.6	141.3111722	27.46
287.9	147.7298938	27.46
297.6	158.1366964	27.54
292.4	151.8402112	27.55
270.8	141.2750152	27.47
267.7	141.4954247	27.49
291.5	150.9250156	27.71
271.3	141.2782429	27.64
278.9	142.6631883	27.42
286.8	146.8948028	27.25
281.5	143.7274589	27.16
270.4	141.2801795	27.04
271.3	141.2782429	26.95
292.3	151.7361232	27.36
278.7	142.5941034	27.61
262.5	142.8067836	27.68
280.5	143.2813061	27.83
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306.4	173.5316387	28.16
271.4	141.2801795	28.34
290.5	149.9641021	28.22
267.2	141.5698857	28.16
294.8	154.5246801	28.22
277.7	142.2756368	28.32
295.2	155.008001	28.43
305.4	171.4237479	28.21
293.8	153.3619607	28.13
299.2	160.4525084	28.07
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234.4	175.7462142	28.22
271.1	141.2756607	28.44
299.1	160.3021067	28.59
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279.2	142.7702052	28.51
293.3	152.8045061	28.5
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318.2	184.3010071	28.48
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321.1	176.2962446	28.56
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1.378	278.5
1.059	279.1
1.185	267.4
1.178	266.4
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1.224	262.3
1.458	274.3
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1.433	268.1
1.376	257.3
1.066	276.8
1.068	268.1
1.166	269
1.004	290.9
1.151	279.5
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1.157	285.3
1.277	267.9
1.341	259.7
1.126	270.5
1.167	301.3
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0.816	270.1
1.301	281
1.457	310
1.477	286
1.112	281.3
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1.164	273.7
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1.412	281.5

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177.8350956	28.13
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2.343	266.6	141.6735922	26.61	3.431	263.5	142.4613373
2.002	267.5	141.5239064	26.51	3.004	265	142.0271438
1.604	280.5	143.2813061	26.47	2.229	276.4	141.9282093
1.426	281.7	143.8222881	26.58	1.933	275	141.6372805
1.468	269.4	141.3232279	26.48	1.961	266	141.7930115
1.477	271	141.2750152	26.58	1.91	267.4	141.5387984
1.058	277.2	142.1331484	26.8	1.637	269.8	141.30084
1.532	261.4	143.23924	26.91	2.143	260.7	143.5434164
1.636	277.6	142.2462495	26.86	2.237	272.9	141.3609132
1.653	281.4	143.6807474	26.94	2.149	276.1	141.8586336
1.961	286.1	146.3962542	26.9	2.591	281.3	143.6345036
1.695	272	141.30084	26.82	2.518	265.5	141.9045775
1.704	260	143.8704074	26.86	2.309	256.9	145.5997344
1.277	280.6	143.3238336	27.08	1.765	276.4	141.9282093
1.387	270.9	141.2748	26.96	2.002	266.5	141.6924026
1.347	271.5	141.2825466	26.76	2.076	264.7	142.105983
1.553	293	152.4775331	26.63	1.839	290	149.5052253
1.444	284.9	145.5997344	26.56	2.015	279.6	142.919245
1.736	257.3	145.3502763	26.5	2.482	252.5	148.8864702
1.412	256.8	145.663343	26.43	1.944	253.9	147.7298938
1.462	286.3	146.5361202	26.83	2.092	281.9	143.9189973
1.561	272.1	141.3057907	27.03	2.214	268.1	141.4436643
1.56	264.1	142.2756368	27.06	2.157	260.3	143.7274589
1.288	273.2	141.3887034	27.21	1.856	272.2	141.3111722
1.611	302	164.9891752	27.36	1.946	299.6	161.0618684
1.21	295.3	155.1304872	27.53	1.502	287.2	147.1911034
1.629	278.4	142.4938547	27.64	2.352	276.6	141.9767943
1.423	285.4	145.922785	27.45	1.973	281.4	143.6807474
1.064	264.8	142.0792607	27.38	1.51	257.4	145.2891508
1.176	289.6	149.1482972	27.44	1.583	287.6	147.4958051
1.079	272.5	141.3299024	27.56	1.688	268.7	141.3790081
1.78	284.1	145.1087319	27.63	2.331	280.8	143.4102756
1.857	309.8	181.5304128	27.38	2.482	307.1	175.0703199
1.868	290.6	150.0575889	27.38	2.5	287.5	147.4188376
1.324	286.3	146.5361202	27.39	1.83	281	143.4985715
1.389	280	143.0755769	27.46	1.948	280.9	143.4541915
1.42	278.3	142.4613373	27.48	1.891	278.5	142.5268211
1.203	251.8	149.5052253	27.63	1.702	247.5	153.9352634
1.363	268.7	141.3790081	27.85	1.979	263.3	142.5268211
1.531	283.8	144.932729	28	2.074	277.5	142.2173074
2.096	259.2	144.2723744	28.01	2.708	256.4	145.922785
1.907	273.4	141.4093904	27.86	2.556	270	141.2922309
1.198	296.9	157.1826166	27.85	1.705	293.6	153.1370917
1.639	312.7	189.5095215	27.77	1.996	310.6	183.6169505
1.712	318.1	184.5985921	27.77	2.036	314.7	195.6900033
1.765	320.3	178.3888034	27.88	2.344	318.5	183.4173207
1.556	319.8	179.7400211	27.83	1.825	316.4	189.898934
1.57	310.5	183.3515534	27.89	2.223	308.6	178.5523232
1.405	298.5	159.4157407	27.89	1.844	292.5	151.9449052
1.663	284.2	145.1683796	27.89	2.462	282.2	144.0675996

26.35	2.327	282.3	144.1180804	143.4804131	No
26.41	3.786	269.8	141.30084	141.9832419	No
26.31	3.026	269.1	141.344545	141.8890782	No
26.29	2.374	283.8	144.932729	142.5257029	No
26.4	2.204	280.2	143.1564895	145.2221358	No
26.3	2.029	273.3	141.3988308	141.7790938	No
26.42	2.089	272.7	141.344545	141.5238372	No
26.64	1.633	276.3	141.9045775	141.8672292	No
26.68	2.367	268	141.4559546	142.7437829	No
26.64	2.355	278.4	142.4938547	143.2152407	No
26.74	2.451	281.1	143.5434164	146.7288293	No
26.67	2.933	285.9	146.2584353	146.5358359	No
26.61	2.59	271.4	141.2801795	141.4810243	No
26.65	2.589	262.6	142.7702052	144.0789607	No
26.85	1.911	283.1	144.539086	144.5510506	No
26.71	2.243	271.3	141.2782429	141.4222774	No
26.54	2.151	271.2	141.2767366	141.8510578	No
26.43	2.188	297.1	157.451638	149.8047658	No
26.4	2.174	286	146.3270894	143.7819353	No
26.35	2.642	257.8	145.0495749	145.3599278	No
26.27	2.14	258.8	144.4847842	145.4098936	No
26.67	2.211	286.8	146.8948028	147.012103	No
26.86	2.278	276	141.8363207	141.7030591	No
26.88	2.366	264.8	142.0792607	143.206868	No
26.99	1.912	279.8	142.996497	141.8148561	No
27.16	2.16	303.3	167.3221929	168.2331992	No
27.4	1.809	294	153.5893653	156.9233601	No
27.41	2.542	282.1	144.0175927	141.8301786	No
27.19	2.243	282.2	144.0675996	145.5936045	No
27.09	1.649	261.5	143.1976347	142.8662796	No
27.18	1.615	293.4	152.9147416	149.4086783	No
27.31	1.831	274	141.4818346	141.5682799	No
27.37	2.567	285.2	145.7920604	146.756395	No
27.12	2.772	309.7	181.2753983	177.5171871	Yes
27.14	2.73	294.2	153.8193224	149.2913692	No
27.16	1.916	285.7	146.1226545	148.5304259	No
27.28	1.954	286.7	146.8220309	142.9755392	No
27.29	2.074	283.6	144.8178344	142.1695181	No
27.47	1.925	253.7	147.8886214	157.5777304	No
27.68	2.111	269	141.3525134	141.6918929	No
27.8	2.283	282.5	144.220467	147.7602175	No
27.77	3.012	261.5	143.1976347	144.3546961	No
27.59	2.758	275	141.6372805	141.6910143	No
27.61	1.981	301.9	164.8158999	153.7150844	No
27.53	2.401	315.6	192.5597384	188.4971157	Yes
27.56	2.683	319.1	181.6899539	188.86833	Yes
27.64	2.732	322.6	172.5912057	173.575372	No
27.57	2.348	318	184.8977039	184.2876551	Yes
27.63	2.608	311.5	186.0662962	177.9641852	Yes
27.64	2.12	296.3	156.3924283	155.6019274	No
27.66	2.617	290.8	150.2462872	145.0574815	No

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7/29/2019	14:14	29.15	0.62
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7/29/2019	14:16	29.2	0.38
7/29/2019	14:17	29.33	0.467
7/29/2019	14:18	29.4	0.491
7/29/2019	14:19	29.34	0.307
7/29/2019	14:20	29.43	0.392
7/29/2019	14:21	29.42	0.219
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7/29/2019	14:23	29.4	0.262
7/29/2019	14:24	29.11	0.405
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7/29/2019	14:26	28.42	0.37
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7/29/2019	14:28	28.44	0.461
7/29/2019	14:29	28.76	0.46

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260.5	143.6345036	28.18
273.6	141.431807	28.35
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304	168.6422867	28.95
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318.4	183.7103804	29.01
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321.9	174.2857928	29.33
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294	153.5893653	29.36
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1.823	305.8	172.2544374	28.47	2.255	301.2	163.6269725
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1.49	290.5	149.9641021	28.53	2.135	286.6	146.7497779
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1.808	312.2	188.0494405	28.34	2.417	309.4	180.5179243
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1.973	293.5	153.0256028	28.08	2.625	287.6	147.4958051
1.502	296.9	157.1826166	28.18	2.379	293.3	152.8045061
2.262	299.2	160.4525084	28.22	2.928	298.7	159.7081601
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2.148	319	181.9742025	28.22	2.97	317.5	186.4164902
1.729	307.6	176.202409	28.23	2.187	303.3	167.3221929
1.847	310.3	182.824721	28.36	2.336	308.1	177.3628294
2.147	302.2	165.3383346	28.32	2.735	300.4	162.3184643
1.924	306	172.6759748	28.26	2.644	304.1	168.8346381
1.859	306.2	173.1016948	28.22	2.396	303.9	168.4508857
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1.565	313.7	192.5433417	28.42	2.019	313	190.403504
1.581	316.9	188.2914027	28.38	1.933	311.8	186.9076557
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1.958	307.1	175.0703199	28.41	2.658	302.7	166.2266321
1.429	316.5	189.5740787	28.5	1.923	311.9	187.1909456
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1.135	323.3	170.9545255	28.6	1.495	320.3	178.3888034
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1.641	313.3	191.3112307	27.78	2.119	311.3	185.5124012
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28	2.187	279.3	142.8067836	141.6370635	No
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28.14	1.744	253.7	147.8886214	153.2523436	No
28.17	1.966	256.4	145.922785	145.812267	No
28.36	2.673	271.7	141.2885722	141.3333372	No
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28.31	2.556	301.2	163.6269725	154.9836267	No
28.27	2.732	306.9	174.6252563	173.3972529	No
28.12	2.126	296.1	156.1345891	153.9613993	No
28	1.992	269.5	141.3169846	141.8152058	No
27.66	1.827	255.8	146.3270894	149.8012916	No
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27.96	1.684	268.4	141.4093904	143.2361798	No
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28.22	3.114	300.5	162.4791534	154.6078471	No
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28.04	3.312	304.4	169.4174385	163.1202145	No
28.08	2.736	309.4	180.5179243	179.6260691	Yes
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28.01	2.522	308.2	177.5983781	174.535098	No
28.15	2.758	314.5	195.7142115	182.8155435	Yes
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28.03	2.989	309.7	181.2753983	173.2277373	No
27.99	2.783	309.2	180.0191816	171.6228293	No
28.05	1.992	305.2	171.014516	164.1774733	No
28.17	2.245	316	191.2154206	189.6353205	Yes
28.13	2.318	316.8	188.6095808	185.9229641	Yes
28.23	2.165	295.9	155.8794948	152.7305396	No
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28.19	2.993	308.4	178.0729882	167.7370636	No
28.27	2.322	317.1	187.6599662	183.6552188	Yes
28.41	2.261	292.9	152.3697801	150.5586508	No
28.48	2.853	328.1	161.1359522	167.2030713	No
28.39	1.995	324.7	167.8465446	171.8061387	No
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28.36	0.999	336.7	148.4952449	174.434796	No
28.58	1.105	326.6	163.9580918	174.720443	No
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27.8	2.114	315.2	193.9326112	186.6782332	Yes
27.72	2.5	315	194.6299891	183.6298337	Yes
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7/29/2019	15:08	28.95	0.544
7/29/2019	15:09	29.07	0.564
7/29/2019	15:10	29.07	0.419
7/29/2019	15:11	28.88	0.488
7/29/2019	15:12	28.57	0.373
7/29/2019	15:13	28.39	0.328
7/29/2019	15:14	28.21	0.337
7/29/2019	15:15	28.43	0.415
7/29/2019	15:16	28.82	0.271
7/29/2019	15:17	29.26	0.437
7/29/2019	15:18	29.61	0.384
7/29/2019	15:19	29.86	0.417
7/29/2019	15:20	29.96	0.367

318.3	184.0049395	29.19
331	156.2417902	29.48
314	195.7142115	29.72
314.6	195.7142115	29.98
284.4	145.2891508	30.08
305.9	172.4646859	29.96
309.7	181.2753983	29.88
320.2	178.6563324	29.73
318.4	183.7103804	29.6
285.5	145.9889028	29.53
291.9	151.3257947	29.45
288.6	148.294859	29.46
310.4	183.0874794	29.49
298.7	159.7081601	29.49
308.5	178.312062	29.49
311.8	186.9076557	29.25
313.1	190.7045403	28.94
323.2	171.184873	28.67
318.7	182.8356637	28.4
325.6	165.9591491	28.12
315	194.6299891	28.03
303	166.7703272	28.41
297	157.3167727	28.58
293.8	153.3619607	28.36
307.6	176.202409	28.14
306.8	174.4043676	28.05
322.1	173.7955882	28.3
290.8	150.2462872	28.76
293.8	153.3619607	29.13
293.2	152.6948941	29.46
294.9	154.6445213	29.67
295.4	155.2536405	29.73
309.5	180.7691609	29.54
327.3	162.6150149	28.92
322.9	171.8828066	28.43
307.1	175.0703199	28.28
310.8	184.1517432	28.61
311	184.6919171	28.89
301.8	164.6434892	29.08
311	184.6919171	29.22
315.6	192.5597384	29.2
301.3	163.7942737	29
305	170.6093072	28.63
308.6	178.5523232	28.44
306.4	173.5316387	28.26
311.4	185.7886529	28.51
308.8	179.0364331	29.05
305.3	171.2186266	29.58
309.8	181.5304128	29.96
327.4	162.4269132	30.2
338.7	146.2898835	30.22

1.218	314.9
1.365	326.7
1.105	308.4
1.187	305.5
1.49	290.5
1.427	311.8
1.803	322.9
1.93	318
1.665	317
1.601	279.7
1.703	286.8
1.652	287.8
1.623	314.2
1.65	304.9
1.509	310.4
1.254	314.2
1.101	306.9
1.241	324.9
1.511	319.3
1.23	323.5
1.215	314.9
1.422	301.2
1.41	301.2
1.598	295
1.288	308.6
1.493	306.3
1.605	316.7
1.551	292.9
1.641	292.5
1.458	296.8
1.778	287.2
1.674	301.5
1.874	311.8
1.989	328.2
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1.533	317.8
1.764	312.1
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1.666	314.1
1.724	316.2
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1.365	318.8
1.183	304.7
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1.049	306.7
1.135	305.8
1.242	316.3
1.783	326.9
1.696	342

194.9814553	28.88
163.7633675	29.12
178.0729882	29.34
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186.9076557	29.45
171.8828066	29.36
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187.9748679	29.12
142.9576428	29.09
146.8948028	29.05
147.6513318	29.05
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170.4081994	29.08
183.0874794	29.08
195.7142115	28.83
174.6252563	28.55
167.4198452	28.3
181.1257634	28.08
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194.9814553	27.8
163.6269725	28.22
163.6269725	28.34
154.7650203	28.13
178.5523232	27.96
173.3161361	27.9
188.9294126	28.19
152.3697801	28.62
151.9449052	28.94
157.0491672	29.21
147.1911034	29.38
164.1314071	29.4
186.9076557	29.16
160.955157	28.53
165.7545685	28.07
185.5005447	28.01
187.7618297	28.38
176.202409	28.67
195.7142115	28.83
190.5537426	28.94
181.6899539	28.9
168.8346381	28.69
182.5470487	28.36
170.0089535	28.21
179.7716623	28.07
186.6257896	28.35
174.1845669	28.86
172.2544374	29.35
190.2254851	29.64
163.3767931	29.81
143.1641434	29.76

1.786	311.4	185.7886529	28.76	1.952	308	177.1284437
1.431	322.6	172.5912057	29.01	1.921	316.7	188.9294126
1.188	309.4	180.5179243	29.2	1.605	304.7	170.0089535
1.375	300.3	162.1585863	29.41	1.738	296.8	157.0491672
1.82	288.4	148.1307424	29.41	2.364	283.2	144.5938692
1.884	305	170.6093072	29.26	2.385	303.7	168.0709172
2.041	315.3	193.5866754	29.16	2.797	313.6	192.2329492
2.312	315.8	191.884056	29.04	3.32	313	190.403504
1.895	312.2	188.0494405	28.97	2.645	310.6	183.6169505
2.001	283	144.4847842	28.95	2.818	279.6	142.919245
2.004	286.1	146.3962542	28.91	2.868	283.3	144.6491348
2.214	288.5	148.2125295	28.92	2.976	285.4	145.922785
2.184	310.2	182.5632711	28.95	2.705	307.8	176.6631365
2.199	303.1	166.9533691	28.94	2.72	300.1	161.8412498
1.914	308.5	178.312062	28.95	2.426	304	168.6422867
1.698	309.8	181.5304128	28.71	2.147	306.3	173.3161361
1.567	301.5	164.1314071	28.44	2.079	299	160.152474
1.596	316.8	188.6095808	28.21	1.893	313	190.403504
1.807	316.2	190.5537426	28.02	2.438	311.8	186.9076557
1.857	313.3	191.3112307	27.8	2.135	311.6	186.3453391
1.772	309.6	181.0216499	27.77	2.072	307.1	175.0703199
1.774	299.3	160.6036824	28.17	2.355	296.9	157.1826166
1.814	299.1	160.3021067	28.3	2.466	297	157.3167727
2.104	293.5	153.0256028	28.1	2.721	290	149.5052253
1.538	303	166.7703272	27.94	2.169	299.7	161.2161624
1.974	302.2	165.3383346	27.9	2.444	300.4	162.3184643
2.047	313.4	191.6169031	28.18	2.542	311.5	186.0662962
1.856	292.6	152.0502072	28.59	2.553	290.7	150.1516501
1.921	292	151.4274771	28.87	2.658	288.7	148.3777321
1.924	294.9	154.6445213	29.11	2.545	291.6	151.0243214
1.982	288.1	147.8886214	29.26	2.808	285.8	146.1902907
2.135	299.3	160.6036824	29.27	2.839	295.3	155.1304872
2.448	308.7	178.7937782	29.04	3.154	306.4	173.5316387
2.444	328.4	160.5962459	28.43	3.055	324.7	167.8465446
2.033	318.7	182.8356637	27.98	2.36	315.9	191.5488631
1.874	312.2	188.0494405	27.95	2.406	312.2	188.0494405
2.125	308.6	178.5523232	28.33	2.875	309	179.5253688
2.151	305.4	171.4237479	28.62	2.848	302.7	166.2266321
2.053	313.5	191.9241395	28.76	2.848	312.3	188.3385084
2.204	311.8	186.9076557	28.86	2.748	310.1	182.3031224
1.785	316	191.2154206	28.81	2.367	312.1	187.7618297
1.91	301.5	164.1314071	28.61	2.598	300.1	161.8412498
1.471	313.7	192.5433417	28.3	2.323	312.4	188.6290418
1.507	298.7	159.7081601	28.18	2.01	299.9	161.5271173
1.288	303.1	166.9533691	28.06	1.813	299.7	161.2161624
1.452	304.9	170.4081994	28.33	1.769	305.2	171.014516
1.099	299.2	160.4525084	28.81	1.505	300.1	161.8412498
1.351	303.3	167.3221929	29.25	1.649	303	166.7703272
1.271	310.9	184.4211537	29.5	1.673	308.1	177.3628294
1.772	320.5	177.8577632	29.67	2.381	320.7	177.3320297
1.803	337.6	147.4724086	29.6	2.289	337.1	148.034394

28.61	2.572	314.1	195.7142115	185.4758728	Yes
28.83	2.179	328.5	160.4181218	170.381444	No
28.99	1.805	310.3	182.824721	181.0785194	Yes
29.22	2.03	304.2	169.0279442	171.6379624	No
29.21	2.564	291	150.437296	146.9944661	No
29.05	2.656	308.9	179.2802945	174.5131415	No
28.94	3.22	318.9	182.2598979	184.7444574	Yes
28.81	3.67	318.4	183.7103804	186.4603991	Yes
28.78	2.979	315.2	193.9326112	185.8379098	Yes
28.77	3.126	286.9	146.9680947	144.0876437	No
28.74	3.023	292.1	151.529758	147.3164966	No
28.75	3.375	292.9	152.3697801	147.5203763	No
28.75	3.341	311.9	187.1909456	184.5070246	Yes
28.74	3.298	304.9	170.4081994	164.7277446	No
28.76	2.851	309.7	181.2753983	177.0884725	Yes
28.55	2.591	314.5	195.7142115	184.367104	Yes
28.33	2.512	305.6	171.8370419	172.4034194	No
28.13	2.415	319.1	181.6899539	179.4044508	Yes
27.97	2.915	316.3	190.2254851	185.3557063	Yes
27.77	2.845	317	187.9748679	178.5282397	Yes
27.75	2.539	311.1	184.9640411	186.4258536	Yes
28.13	2.766	303.6	167.8823409	162.0458997	No
28.21	2.692	302.9	166.5881931	159.6406561	No
28.06	3.102	296.1	156.1345891	152.6644523	No
27.93	2.346	308.1	177.3628294	170.6853054	No
27.91	2.82	306.6	173.9658487	168.8443257	No
28.19	2.865	317.2	187.3466876	185.10205	Yes
28.56	2.835	296.5	156.6530324	151.2044811	No
28.79	2.924	294.9	154.6445213	151.2780188	No
28.97	2.861	299	160.152474	153.853226	No
29.1	3.022	292.4	151.8402112	148.9786342	No
29.09	3.052	302.6	166.0471971	158.7798043	No
28.88	3.713	313.1	190.7045403	180.0005584	Yes
28.31	3.591	328.5	160.4181218	163.0032406	No
27.92	2.925	319.8	179.7400211	178.0054755	Yes
27.9	2.854	318.3	184.0049395	184.1674364	Yes
28.28	3.186	312.5	188.9210494	182.4978162	Yes
28.54	3.074	309.7	181.2753983	174.6361765	No
28.66	3.35	317	187.9748679	185.1550871	Yes
28.74	3.231	315.5	192.9002508	186.1141095	Yes
28.7	2.763	318.9	182.2598979	188.3067357	Yes
28.53	3.042	307.5	175.9737479	164.6503922	No
28.25	2.544	317.5	186.4164902	183.5821849	Yes
28.17	2.339	307.3	175.5198021	167.4491385	No
28.08	1.877	306.9	174.6252563	170.3682081	No
28.33	2.151	310.8	184.1517432	178.4592895	Yes
28.77	1.543	305.8	172.2544374	168.8786896	No
29.17	1.959	311.1	184.9640411	169.391396	No
29.38	1.872	314.9	194.9814553	183.3849703	Yes
29.55	2.46	326.3	164.548069	170.2483748	No
29.43	2.772	341.3	143.7762629	146.2402074	No

7/29/2019	15:21	30.02	0.436
7/29/2019	15:22	30.03	0.477
7/29/2019	15:23	29.97	0.427
7/29/2019	15:24	29.84	0.536
7/29/2019	15:25	29.54	0.512
7/29/2019	15:26	29.25	0.549
7/29/2019	15:27	28.83	0.625
7/29/2019	15:28	28.51	0.499
7/29/2019	15:29	28.56	0.456
7/29/2019	15:30	28.71	0.626
7/29/2019	15:31	28.83	0.504
7/29/2019	15:32	28.91	0.526
7/29/2019	15:33	28.98	0.42
7/29/2019	15:34	29.04	0.576
7/29/2019	15:35	29.16	0.43
7/29/2019	15:36	29.27	0.408
7/29/2019	15:37	29.36	0.413
7/29/2019	15:38	29.4	0.429
7/29/2019	15:39	29.48	0.391
7/29/2019	15:40	29.48	0.463
7/29/2019	15:41	29.33	0.411
7/29/2019	15:42	29.37	0.36
7/29/2019	15:43	29.49	0.476
7/29/2019	15:44	29.53	0.432
7/29/2019	15:45	29.5	0.565
7/29/2019	15:46	29.45	0.432
7/29/2019	15:47	29.44	0.447
7/29/2019	15:48	29.33	0.495
7/29/2019	15:49	28.89	0.413
7/29/2019	15:50	28.46	0.556
7/29/2019	15:51	28.15	0.361
7/29/2019	15:52	28.04	0.285
7/29/2019	15:53	27.91	0.292
7/29/2019	15:54	27.94	0.386
7/29/2019	15:55	28.26	0.494
7/29/2019	15:56	28.51	0.383
7/29/2019	15:57	28.41	0.404
7/29/2019	15:58	28.17	0.323
7/29/2019	15:59	27.89	0.444
7/29/2019	16:00	27.78	0.472
7/29/2019	16:01	28.03	0.477
7/29/2019	16:02	28.36	0.72
7/29/2019	16:03	28.6	0.535
7/29/2019	16:04	28.82	0.516
7/29/2019	16:05	29.05	0.318
7/29/2019	16:06	29.28	0.438
7/29/2019	16:07	29.19	0.454
7/29/2019	16:08	29.02	0.443
7/29/2019	16:09	29.05	0.837
7/29/2019	16:10	28.83	0.645
7/29/2019	16:11	28.34	0.387

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331.3	155.7749165	30.22
337.4	147.6953406	30.09
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4.866	135.7706342	29.61
347.6	139.1784222	29.32
331.3	155.7749165	28.9
328.8	159.8890273	28.51
313.9	195.7142115	28.6
333.2	152.9777221	28.82
332.8	153.5442409	28.94
338.4	146.6051528	29.02
335.3	150.1891937	29.09
343.4	142.0185516	29.16
329.3	159.0245589	29.31
323.1	171.416365	29.43
309	179.5253688	29.5
306	172.6759748	29.55
327.8	161.6837458	29.63
310.1	182.3031224	29.61
309.6	181.0216499	29.42
329.5	158.684756	29.47
304	168.6422867	29.63
326.5	164.1537804	29.69
314.6	195.7142115	29.6
318.8	182.5470487	29.53
322.2	173.55231	29.52
341.8	143.3363204	29.41
336.2	149.0856146	28.87
342.5	142.7430964	28.34
321.8	174.5327325	27.98
325.2	166.7876462	27.96
319.7	180.0143756	27.92
325.3	166.5789856	28
327.7	161.8681603	28.43
336.8	148.379085	28.77
312.4	188.6290418	28.66
311.2	185.2375331	28.34
324.7	167.8465446	28.01
328.1	161.1359522	27.86
319.3	181.1257634	28.17
300.8	162.9661204	28.57
307.7	176.4322033	28.84
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310.9	184.4211537	29.33
304	168.6422867	29.59
307.6	176.202409	29.46
321.1	176.2962446	29.18
298.6	159.5615734	29.22
310.6	183.6169505	29.01
311	184.6919171	28.44

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1.426	350.9
1.737	351.1
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1.703	343.7
1.568	337.9
1.67	348.9
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1.524	323.5
1.643	304.9
1.551	310.8
1.418	325.8
1.728	321.7
1.607	313.3
1.449	322.1
1.608	310
1.815	323
1.916	316.7
1.732	322.3
1.718	319.9
1.797	339.2
1.749	341.8
1.82	344.3
1.496	335.2
1.263	328
1.45	327.7
1.461	329.2
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1.585	333.9
1.669	324.7
1.496	318.6
1.888	326.9
1.653	331.7
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1.991	299.4
2.284	310.9
1.687	317.7

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140.2234999	29.43
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188.9294126	28.37
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151.0848301	28.7
141.786421	28.77
147.1426245	28.83
138.471433	28.89
175.7860767	29.05
170.4972397	29.14
170.4081994	29.19
184.1517432	29.23
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191.3112307	29.08
173.7955882	29.15
182.0442679	29.34
171.6490075	29.38
188.9294126	29.27
173.3102392	29.19
179.4670474	29.17
145.7762909	29.01
143.3363204	28.46
141.3360215	27.99
150.3151193	27.73
161.3176459	27.76
161.8681603	27.74
159.1957351	27.87
153.2595242	28.31
152.0140384	28.61
167.8465446	28.43
183.1257514	28.13
163.3767931	27.82
155.1633342	27.74
191.884056	28.07
184.1517432	28.45
187.7618297	28.68
192.5433417	28.88
181.5304128	29.11
166.4069628	29.32
177.8350956	29.15
162.6150149	28.9
160.7556316	28.95
184.4211537	28.73
185.8042924	28.2

1.752	337.5	147.5835656	29.58	2.36	334.6	151.0848301
2.139	327.2	162.8040494	29.56	2.639	324.4	168.49455
2.229	326.8	163.5696028	29.43	2.61	322.1	173.7955882
2.442	344.4	141.262737	29.29	3.105	342.5	142.7430964
1.786	352.5	136.9142707	28.99	2.365	349.5	138.1714606
2.327	351.6	137.249547	28.8	2.947	348.9	138.471433
2.376	335.4	150.0639356	28.45	3.109	332.1	154.5640391
2.064	323.1	171.416365	28.14	3.019	319.6	180.290119
1.905	316.2	190.5537426	28.35	2.45	313.7	192.5433417
2.585	328.8	159.8890273	28.57	3.199	327.3	162.6150149
2.469	330.6	156.8753741	28.67	2.906	330.9	156.3989918
2.345	342.3	142.9099119	28.73	2.792	339.3	145.6753339
1.93	338.6	146.3943767	28.78	2.586	336.4	148.8475437
2.236	347.1	139.4714437	28.84	2.638	343.2	142.1758963
1.81	322.9	171.8828066	28.99	2.172	318.2	184.3010071
1.882	319.4	180.8458047	29.07	2.416	315.1	194.2803784
1.879	304	168.6422867	29.1	2.589	302.8	166.4069628
1.898	306.1	172.8883094	29.13	2.42	305.9	172.4646859
1.775	322.6	172.5912057	29.18	2.126	321.9	174.2857928
2.003	320.5	177.8577632	29.14	2.591	317.7	185.8042924
1.793	308.6	178.5523232	28.97	2.617	306.6	173.9658487
1.71	316.7	188.9294126	29.05	2.144	317.2	187.3466876
1.742	305.4	171.4237479	29.24	2.455	302.4	165.6909983
2.196	319.1	181.6899539	29.28	2.595	316.6	189.2509084
2.202	315.6	192.5597384	29.16	2.909	313.1	190.7045403
2.097	318.9	182.2598979	29.05	2.591	316.3	190.2254851
1.988	317.5	186.4164902	29.03	2.69	313.9	195.7142115
2.023	339.5	145.4751667	28.86	2.749	336.6	148.6120398
2.161	341.5	143.5986496	28.35	2.781	339.1	145.8778326
2.362	344.2	141.4098131	27.93	2.835	342.2	142.9941199
1.92	333.1	153.1182603	27.71	2.348	330.3	157.3589946
1.516	322.3	173.3102392	27.76	1.998	317.4	186.7249594
1.708	322.8	172.1177686	27.76	2.297	321.5	175.2809825
1.756	325.2	166.7876462	27.88	2.242	322.7	172.3538995
1.757	331.3	155.7749165	28.3	2.308	330.3	157.3589946
2.056	332.9	153.4015168	28.56	2.466	331.6	155.3150699
2.271	320	179.1954466	28.38	2.693	317.5	186.4164902
1.622	311.9	187.1909456	28.1	2.429	310.7	183.8836779
2.248	323.2	171.184873	27.81	3.036	323.5	170.4972397
2.142	326.4	164.3504379	27.76	2.608	325.7	165.7545685
1.949	315.9	191.5488631	28.07	2.565	311.8	186.9076557
2.294	307.8	176.6631365	28.41	2.884	307.6	176.202409
1.867	309	179.5253688	28.59	2.304	307.4	175.7462142
1.915	311.3	185.5124012	28.74	2.373	309.5	180.7691609
1.371	304.2	169.0279442	28.93	1.864	301	163.294883
1.851	299.4	160.7556316	29.12	2.45	297.2	157.5872152
1.831	304.9	170.4081994	28.96	2.442	301	163.294883
2.377	323.7	170.0444603	28.74	2.562	321.2	176.0405229
2.656	299.3	160.6036824	28.83	3.263	295.1	154.8861795
2.866	309.6	181.0216499	28.65	3.6	308.5	178.312062
1.988	313.2	191.0071128	28.13	2.821	310.8	184.1517432

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29.4	3.027	328.8	159.8890273	160.5214706	No
29.28	3.353	329.4	158.8542338	161.5039221	No
29.12	3.724	347.5	139.23608	141.8270491	No
28.86	2.724	353.7	136.5220169	137.0978327	No
28.72	3.604	352.2	137.0220917	138.087651	No
28.41	3.836	336.6	148.6120398	152.4021274	No
28.14	3.296	325.3	166.5789856	170.2979129	No
28.35	2.936	320.1	178.9252109	191.9351771	Yes
28.54	3.834	332.2	154.4161117	158.1293841	No
28.62	3.729	334.8	150.8255466	154.4758592	No
28.68	3.573	343.8	141.7100752	144.2442049	No
28.73	3.001	341.2	143.8658923	148.1434346	No
28.78	3.327	348.5	138.6806025	140.5343312	No
28.93	2.744	325	167.2080708	172.7486123	No
28.99	2.845	320.9	176.811543	179.259947	Yes
28.99	2.883	308.3	177.8350956	171.2457044	No
29.03	2.777	312.2	188.0494405	175.5451783	Yes
29.09	2.52	324.8	167.6326681	168.5279349	No
29.05	3.099	323	171.6490075	180.1865211	Yes
28.89	2.804	315.7	192.2210107	181.2127631	Yes
28.98	2.556	320.9	176.811543	177.1891111	Yes
29.17	2.669	309.5	180.7691609	171.9503252	No
29.2	3.101	321.4	175.5328989	176.6859125	Yes
29.04	3.396	318.1	184.5985921	191.9769757	Yes
28.94	3.033	322.3	173.3102392	182.0856677	Yes
28.92	3.007	320.6	177.5942369	183.7875148	Yes
28.75	3.1	340.5	144.5088047	145.7999544	No
28.29	3.337	344	141.5589225	145.4746043	No
27.94	3.739	346.6	139.7763685	142.1207627	No
27.76	2.974	335.7	149.6921424	158.8312767	No
27.82	2.19	323.6	170.2702897	172.0351227	No
27.82	2.653	326.9	163.3767931	172.3203217	No
27.93	2.496	330	157.8499471	166.2290666	No
28.33	2.598	336	149.3262707	157.0653989	No
28.54	3.109	335.7	149.6921424	152.2774275	No
28.37	3.208	323	171.6490075	180.5218808	Yes
28.14	2.729	315.8	191.884056	184.859477	Yes
27.87	3.414	328.6	160.24088	168.2263626	No
27.83	3.061	330.2	157.5218261	161.6010732	No
28.1	2.965	317.7	185.8042924	187.8665845	Yes
28.4	3.102	314.1	195.7142115	174.9958523	No
28.56	2.652	314.8	195.3347893	179.866404	Yes
28.69	2.735	315.7	192.2210107	185.6771454	Yes
28.87	2.032	309	179.5253688	174.5685984	No
29.04	2.752	304.1	168.8346381	163.3480241	No
28.89	2.936	306	172.6759748	171.9351468	No
28.7	3.32	326.4	164.3504379	171.2490607	No
28.79	3.855	301.3	163.7942737	158.9517667	No
28.61	4.217	313	190.403504	181.842954	Yes
28.11	3.133	316.7	188.9294126	186.4137664	Yes

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7/29/2019	16:13	27.7	0.375
7/29/2019	16:14	27.64	0.391
7/29/2019	16:15	27.93	0.377
7/29/2019	16:16	28.26	0.427
7/29/2019	16:17	28.5	0.4
7/29/2019	16:18	28.7	0.457
7/29/2019	16:19	28.85	0.448
7/29/2019	16:20	28.9	0.432
7/29/2019	16:21	28.88	0.444
7/29/2019	16:22	28.78	0.443
7/29/2019	16:23	28.48	0.403
7/29/2019	16:24	28.12	0.46
7/29/2019	16:25	27.98	0.385
7/29/2019	16:26	28.18	0.524
7/29/2019	16:27	28.36	0.827
7/29/2019	16:28	28.54	0.555
7/29/2019	16:29	28.63	0.866
7/29/2019	16:30	28.62	0.894
7/29/2019	16:31	28.63	0.597
7/29/2019	16:32	28.66	0.627
7/29/2019	16:33	28.66	0.63
7/29/2019	16:34	28.69	0.533
7/29/2019	16:35	28.78	0.56
7/29/2019	16:36	28.84	0.595
7/29/2019	16:37	28.84	0.474
7/29/2019	16:38	28.85	0.492
7/29/2019	16:39	28.85	0.513
7/29/2019	16:40	28.86	0.483
7/29/2019	16:41	28.78	0.691
7/29/2019	16:42	28.65	0.494
7/29/2019	16:43	28.62	0.488
7/29/2019	16:44	28.66	0.512
7/29/2019	16:45	28.69	0.379
7/29/2019	16:46	28.73	0.591
7/29/2019	16:47	28.72	0.57
7/29/2019	16:48	28.69	0.588
7/29/2019	16:49	28.63	0.512
7/29/2019	16:50	28.54	0.784
7/29/2019	16:51	28.5	0.69
7/29/2019	16:52	28.48	0.694
7/29/2019	16:53	28.44	0.492
7/29/2019	16:54	28.45	0.509
7/29/2019	16:55	28.46	0.605
7/29/2019	16:56	28.41	0.703
7/29/2019	16:57	28.36	0.468
7/29/2019	16:58	28.4	0.675
7/29/2019	16:59	28.39	0.549
7/29/2019	17:00	28.4	0.369
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323	171.6490075	28.35
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315.1	194.2803784	29.01
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300.8	162.9661204	29.09
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331.9	154.8621634	29.13
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342.4	142.8262379	29.41
339.4	145.5749597	29.4
329.7	158.3483275	29.4
317.9	185.1983516	29.27
325.3	166.5789856	29.08
318.6	183.1257514	28.98
326.7	163.7633675	29
330.3	157.3589946	29
323.6	170.2702897	29.01
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313.7	192.5433417	28.9
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302.3	165.5142265	28.67
298.9	160.0036074	28.6
318	184.8977039	28.56
302.6	166.0471971	28.51
315.7	192.2210107	28.5
314.9	194.9814553	28.51
319.3	181.1257634	28.46
321.8	174.5327325	28.41
301.5	164.1314071	28.45
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310.9	184.4211537	28.49
326.9	163.3767931	28.55

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1.686	328.5
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1.754	326.5
1.926	330.4
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1.897	328.9
1.555	328.5
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2.249	327.8
2.291	323.5
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1.646	340.6
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1.767	340.9
1.826	339.6
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1.734	324.9
1.892	324.8
1.723	321.7
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2.153	308.4
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2.358	314.7
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2.154	319.5
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1.822	315.3

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177.0711342	27.58
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195.7142115	28.41
174.0400802	28.66
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152.5604335	28.98
164.1537804	28.98
157.1969778	28.91
160.955157	28.8
159.7144084	28.44
160.4181218	28.03
167.8465446	27.93
184.0049395	28.25
186.3453391	28.54
174.5327325	28.76
182.3031224	28.82
174.1845669	28.79
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161.6837458	28.8
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141.786421	28.97
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175.0303206	28.89
168.0614801	28.76
167.4198452	28.73
167.6326681	28.8
174.7809062	28.85
167.2080708	28.87
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189.2145397	28.81
183.6169505	28.72
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188.9294126	28.44
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2.002	317.8	185.5005447	27.59	2.515	314.7	195.6900033
2.061	317.1	187.6599662	27.59	2.755	316.3	190.2254851
1.892	322.7	172.3538995	27.98	2.236	320.5	177.8577632
2.134	311.1	184.9640411	28.35	2.851	308.9	179.2802945
2.248	320	179.1954466	28.56	2.666	316.5	189.5740787
2.102	323.9	169.5961403	28.72	2.539	322.8	172.1177686
2.659	332.3	154.2689366	28.83	3.253	330.4	157.1969778
2.287	325.1	166.9973396	28.81	2.66	321.6	175.0303206
2.457	327.4	162.4269132	28.74	3.08	324.9	167.4198452
2.439	324.8	167.6326681	28.65	3.015	322.3	173.3102392
2.491	325.4	166.3713526	28.33	3.235	322.2	173.55231
2.317	321.5	175.2809825	27.96	2.681	319.6	180.290119
1.964	321.4	175.5328989	27.89	2.287	317.4	186.7249594
2.463	314.9	194.9814553	28.2	3.393	314.5	195.7142115
2.539	308.6	178.5523232	28.47	3.225	306.9	174.6252563
2.26	317.5	186.4164902	28.67	2.88	314.5	195.7142115
2.917	307.1	175.0703199	28.71	3.729	305.4	171.4237479
2.811	305.5	171.6298847	28.67	3.403	301.7	164.4719393
2.736	324.9	167.4198452	28.66	3.409	323.2	171.184873
2.529	324.7	167.8465446	28.68	3.471	323.3	170.9545255
2.679	321.7	174.7809062	28.68	3.524	319.8	179.7400211
2.183	334.5	151.2154981	28.73	2.611	329.1	159.3677662
2.096	330.7	156.7157803	28.82	2.597	328.2	160.955157
2.196	338.3	146.7114396	28.86	2.59	335.3	150.1891937
2.146	341.2	143.8658923	28.82	2.91	340.5	144.5088047
2.059	337.6	147.4724086	28.84	2.534	336.4	148.8475437
2.233	337.9	147.1426245	28.83	2.77	337.4	147.6953406
2.27	327.2	162.8040494	28.84	2.963	323.9	169.5961403
2.726	320.8	177.0711342	28.76	3.721	319.5	180.5672593
2.435	320.6	177.5942369	28.65	3.307	318	184.8977039
2.272	319.9	179.4670474	28.62	2.725	316.9	188.2914027
2.433	321.5	175.2809825	28.69	2.915	316.9	188.2914027
1.817	320.5	177.8577632	28.73	2.539	314.9	194.9814553
2.292	323.7	170.0444603	28.75	2.704	317.1	187.6599662
2.173	309.7	181.2753983	28.73	2.858	307.5	175.9737479
2.507	310.5	183.3515534	28.7	3.269	307.7	176.4322033
2.36	308.8	179.0364331	28.62	3.176	305.1	170.8114111
2.548	305.6	171.8370419	28.55	3.174	301.8	164.6434892
2.422	301.8	164.6434892	28.52	3.222	299.8	161.3712442
2.745	306.8	174.4043676	28.51	3.521	303.6	167.8823409
2.417	305.2	171.014516	28.48	3.075	300.8	162.9661204
2.35	311.2	185.2375331	28.47	3.079	310.1	182.3031224
2.802	312.7	189.5095215	28.49	3.347	311.9	187.1909456
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2.261	314.6	195.7142115	28.41	2.677	309.7	181.2753983
2.502	304.9	170.4081994	28.44	3.313	302.7	166.2266321
2.583	314.7	195.6900033	28.42	3.321	313.8	195.7142115
2.297	315.4	193.2425592	28.41	2.917	313.3	191.3112307
2.263	310.6	183.6169505	28.43	2.928	308.6	178.5523232
2.133	311.4	185.7886529	28.47	2.735	308.3	177.8350956

27.82	3.054	315.3	193.5866754	185.2081161	Yes
27.65	3.077	319.5	180.5672593	185.6053935	Yes
27.65	3.128	321.2	176.0405229	182.9420321	Yes
28.01	2.73	324.6	168.0614801	170.1767347	No
28.36	3.248	314.3	195.7142115	184.040239	Yes
28.52	3.368	319.5	180.5672593	184.6309543	Yes
28.69	2.919	329	159.540656	168.6214825	No
28.77	3.96	334	151.8792052	156.9474288	No
28.74	3.529	327.7	161.8681603	169.3994514	No
28.67	3.793	329.6	158.5161218	160.8213816	No
28.6	3.841	326.1	164.946271	172.3895076	No
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27.98	3.393	324.5	168.2774801	171.9095577	No
27.92	2.893	323.1	171.416365	174.015888	No
28.21	3.679	319.1	181.6899539	188.2723524	Yes
28.46	3.739	313.4	191.6169031	179.221437	Yes
28.63	3.491	320.2	178.6563324	187.7359532	Yes
28.64	4.399	310.6	183.6169505	175.2629069	Yes
28.61	4.262	308.5	178.312062	168.3131278	No
28.59	4.206	327.2	162.8040494	164.4066967	No
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28.61	4.071	324.8	167.6326681	171.7215818	No
28.67	3.168	334.2	151.6116385	151.5458148	No
28.75	3.172	335.1	150.441715	155.6710232	No
28.76	3.221	340.2	144.7927354	146.3179982	No
28.72	3.294	345.1	140.7638403	144.2987592	No
28.75	2.983	341.8	143.3363204	145.8210702	No
28.74	3.238	340.2	144.7927354	146.4472194	No
28.77	3.389	329.8	158.1813694	161.6695683	No
28.68	4.19	324.1	169.1522337	179.4667664	Yes
28.59	3.663	324.5	168.2774801	174.2831016	No
28.57	3.357	321.4	175.5328989	179.5760117	Yes
28.63	3.453	321.7	174.7809062	173.7421052	No
28.67	2.891	321.7	174.7809062	176.2447798	Yes
28.67	3.472	322.9	171.8828066	173.7956967	No
28.65	3.359	313.2	191.0071128	186.2218743	Yes
28.62	3.64	313.7	192.5433417	185.3854095	Yes
28.56	3.651	310.4	183.0874794	182.199896	Yes
28.51	3.739	307.8	176.6631365	170.0169364	No
28.49	3.528	305.9	172.4646859	164.156912	No
28.49	4.064	310	182.0442679	176.3143502	Yes
28.46	3.812	308.8	179.0364331	167.9662189	No
28.45	3.493	314.1	195.7142115	186.7770885	Yes
28.47	3.846	316.7	188.9294126	189.1449066	Yes
28.44	4.184	316.6	189.2509084	187.871313	Yes
28.41	3.215	314.5	195.7142115	185.1129387	Yes
28.43	3.81	308.1	177.3628294	169.0715102	No
28.41	3.799	318.4	183.7103804	190.150129	Yes
28.4	3.418	318.7	182.8356637	183.2535851	Yes
28.42	3.305	313.9	195.7142115	184.7875415	Yes
28.45	3.145	313.9	195.7142115	180.1468043	Yes

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7/29/2019	17:11	28.56	0.472
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7/29/2019	17:13	28.55	0.473
7/29/2019	17:14	28.51	0.416
7/29/2019	17:15	28.46	0.538
7/29/2019	17:16	28.43	0.45
7/29/2019	17:17	28.42	0.439
7/29/2019	17:18	28.38	0.534
7/29/2019	17:19	28.34	0.532
7/29/2019	17:20	28.3	0.432
7/29/2019	17:21	28.31	0.453
7/29/2019	17:22	28.33	0.492
7/29/2019	17:23	28.33	0.396
7/29/2019	17:24	28.39	0.504
7/29/2019	17:25	28.4	0.486
7/29/2019	17:26	28.38	0.459
7/29/2019	17:27	28.36	0.478
7/29/2019	17:28	28.29	0.583
7/29/2019	17:29	28.22	0.483
7/29/2019	17:30	28.16	0.602
7/29/2019	17:31	28.13	0.487
7/29/2019	17:32	28.14	0.362
7/29/2019	17:33	28.17	0.397
7/29/2019	17:34	28.19	0.435
7/29/2019	17:35	28.19	0.412
7/29/2019	17:36	28.19	0.457
7/29/2019	17:37	28.19	0.406
7/29/2019	17:38	28.19	0.449
7/29/2019	17:39	28.19	0.399
7/29/2019	17:40	28.2	0.432
7/29/2019	17:41	28.24	0.355
7/29/2019	17:42	28.28	0.34
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7/29/2019	17:50	28.26	0.513
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7/29/2019	17:53	28.11	0.412

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344.3	141.3360215	28.89
342.5	142.7430964	28.9
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344.5	141.1899582	28.93
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326	165.1468514	28.61
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333.1	153.1182603	28.76
341.1	143.9560723	28.77
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354.6	136.2684311	28.79
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347.6	139.1784222	28.79
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1.782	346
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1.671	347.3
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1.671	331.4
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137.171973	28.33
147.9207527	28.33
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2.146	344.2	141.4098131	28.6	2.199	340.6	144.4152874
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2.19	339	145.9799608	28.52	2.727	336.5	148.729472
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2.137	342.3	142.9099119	28.51	2.646	342.5	142.7430964
2.487	340.9	144.1380905	28.48	2.809	340.9	144.1380905
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2.126	354.8	136.2167669	28.42	2.845	353.6	136.5523328
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2.051	334.9	150.6969261	28.37	2.659	334.5	151.2154981
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2.326	342.8	142.4968525	28.41	2.636	344.1	141.484113
2.218	336.1	149.2056183	28.37	2.856	336.3	148.9662571
2.192	341.1	143.9560723	28.32	2.805	340.6	144.4152874
2.752	334.6	151.0848301	28.27	3.39	333.3	152.8379067
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2.746	328.6	160.24088	28.17	3.533	326.6	163.9580918
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1.951	330.3	157.3589946	28.15	2.258	326.4	164.3504379
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2.285	337.6	147.4724086	28.24	2.669	339.3	145.6753339
2.19	336.1	149.2056183	28.25	2.564	335.1	150.441715
2.185	344.3	141.3360215	28.26	2.773	342.1	143.0788632
2.058	353.3	136.6458601	28.26	2.66	352.3	136.9857152
2.382	333.6	152.4227699	28.27	3.151	332.1	154.5640391
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2.076	341	144.0468045	28.28	2.377	339	145.9799608
1.879	339.6	145.3759529	28.32	2.396	336.7	148.4952449
1.83	324	169.3736382	28.35	2.267	322.3	173.3102392
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2.082	335.1	150.441715	28.38	2.644	334.1	151.7450728
2.213	341.6	143.5106627	28.34	2.493	338.6	146.3943767
1.664	343.1	142.25535	28.32	2.036	343.4	142.0185516
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2.396	339.1	145.8778326	28.28	3.01	336.8	148.379085
2.584	344	141.5589225	28.22	3.135	342.5	142.7430964
2.05	344	141.5589225	28.19	2.596	342.3	142.9099119
1.631	342.1	143.0788632	28.21	1.965	338.3	146.7114396

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28.51	3.247	320.8	177.0711342	185.4860045	Yes
28.5	2.901	321.2	176.0405229	174.314278	No
28.52	3.201	325.1	166.9973396	166.7667996	No
28.54	2.897	342.2	142.9941199	145.5860994	No
28.58	3.146	340.9	144.1380905	149.2377058	No
28.57	3.008	346.3	139.9650888	141.9311601	No
28.57	3.56	338.1	146.9258206	147.9876481	No
28.5	3.185	342.5	142.7430964	145.1857453	No
28.47	3.038	340.3	144.6975271	145.9892943	No
28.51	2.963	348.2	138.8423412	140.9162739	No
28.49	3.163	346.7	139.7144254	141.8126145	No
28.47	3.455	345.2	140.6945686	142.6299009	No
28.45	2.902	354.7	136.2423866	139.0419531	No
28.44	3.373	350.9	137.5349652	141.7671633	No
28.43	2.861	356.2	135.9024875	137.5272406	No
28.42	3.398	356.1	135.9221983	137.3240159	No
28.38	3.042	347.8	139.0645196	141.5285439	No
28.38	3.015	339.7	145.2773166	148.07346	No
28.37	3.533	335	150.5689831	156.5757596	No
28.33	2.669	336.4	148.8475437	149.0162471	No
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28.4	3.387	347.9	139.008273	141.8451459	No
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28.31	3.322	345.4	140.557513	143.6995845	No
28.27	4.101	338.6	146.3943767	150.6258774	No
28.22	3.448	334.9	150.6969261	153.8266129	No
28.18	4.045	329.9	158.0152438	160.0736206	No
28.16	3.372	331.7	155.1633342	164.8901726	No
28.16	2.997	332.7	153.6876994	157.5975245	No
28.18	2.888	335	150.5689831	155.1289259	No
28.25	3.264	341.1	143.9560723	147.0711386	No
28.26	3.171	340.6	144.4152874	147.1956654	No
28.27	3.302	346.6	139.7763685	140.8675591	No
28.27	3.168	353.7	136.5220169	136.7679948	No
28.28	3.515	336.7	148.4952449	154.3336187	No
28.29	2.879	345.6	140.4224336	142.4843753	No
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7/29/2019	17:58	28.41	0.387
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346.3	139.9650888	28.39
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346.5	139.8387928	28.49
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346.4	139.9016992	28.43
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346.5	139.8387928	28.41
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2.153	337.6
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1.991	348.3
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1.729	341.3
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1.693	353.5
1.296	349.5
1.603	345.1
1.799	338.4
1.646	342.9
1.164	348.7
1.145	348.2
1.383	348.2
1.653	347
2.125	348.8
2.03	327.9
1.681	346.3
1.485	342.2
1.912	343.4
1.565	349.9
1.494	353
1.928	349
1.859	347.5
1.724	348.4
1.897	344.4
1.562	345
1.659	344.9
1.629	344.1
1.798	349
1.76	349.7
2.172	345.9
2.103	349.5
1.673	347.4
2.291	347.3

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149.2056183	28.48
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145.6753339	28.67
143.5986496	28.61
143.4232201	28.49
153.4015168	28.38
144.2299319	28.25
141.786421	28.17
140.0933217	28.08
147.4724086	28.02
140.6945686	27.98
138.2696225	27.96
136.3491176	27.96
142.0185516	27.99
138.7879636	28.02
146.6051528	28
143.7762629	27.95
140.4224336	27.94
145.1792559	27.99
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142.4158267	27.95
138.5750946	27.97
138.8423412	28.07
138.8423412	28.15
139.5314724	28.17
138.5230334	28.13
161.5002424	28.04
139.9650888	27.99
142.9941199	27.95
142.0185516	27.96
137.9805921	27.94
136.743267	27.97
138.4202926	27.97
139.23608	27.93
138.734051	27.91
141.262737	27.9
140.8336095	27.85
140.9038772	27.84
141.484113	27.81
138.4202926	27.77
138.0751192	27.75
140.2234999	27.7
138.1714606	27.63
139.2942101	27.54
139.3528135	27.5

1.655	332.9	153.4015168	28.28	1.92	329.4	158.8542338
1.733	333.4	152.6988115	28.36	2.245	330.8	156.5569873
1.31	335.5	149.9393426	28.4	1.767	334.3	151.4788997
1.606	331.7	155.1633342	28.46	1.894	331.5	155.4675767
1.701	335.4	150.0639356	28.5	2.166	335.3	150.1891937
1.895	336.1	149.2056183	28.44	2.404	335.8	149.5695304
2.607	340.5	144.5088047	28.34	3.363	337.3	147.8077356
2.331	326.9	163.3767931	28.26	2.929	325.8	165.5509953
2.311	335.3	150.1891937	28.15	2.945	334.4	151.3468538
2.148	339.5	145.4751667	28.06	2.923	339.2	145.7762909
2.421	345.7	140.355632	27.99	3.04	342.1	143.0788632
2.533	333	153.2595242	27.94	3.332	331.3	155.7749165
2.399	342.6	142.6604859	27.9	3.106	343	142.3353263
2.157	346.7	139.7144254	27.89	2.892	345.2	140.6945686
2.063	353.6	136.5523328	27.88	2.288	350.1	137.8878733
1.698	337.4	147.6953406	27.91	2.1	336.9	148.2635581
2.091	344.2	141.4098131	27.92	2.753	343	142.3353263
2.528	332.2	154.4161117	27.9	3.111	330.9	156.3989918
2.022	334.8	150.8255466	27.86	2.41	332.6	153.8318952
1.816	338.5	146.4994658	27.83	2.173	338	147.0339187
1.776	332	154.712722	27.87	1.9	330.5	157.0357721
1.685	338.2	146.8183282	27.92	2.034	337.6	147.4724086
2.013	350.3	137.796957	27.87	2.421	348.6	138.6276173
1.401	344.1	141.484113	27.77	1.543	341.5	143.5986496
1.679	339.6	145.3759529	27.76	2.188	339.5	145.4751667
1.725	331.6	155.3150699	27.79	2.414	331.9	154.8621634
2.015	333.4	152.6988115	27.81	2.328	332.7	153.6876994
1.276	342.8	142.4968525	27.85	1.417	342.1	143.0788632
1.347	343.2	142.1758963	27.93	1.46	343.8	141.7100752
1.549	345.9	140.2234999	28	1.895	345.2	140.6945686
1.766	339.8	145.1792559	28.02	2.249	340.8	144.2299319
2.252	344.2	141.4098131	28.01	3.005	342.9	142.4158267
2.409	322	174.0400802	27.95	3.086	322.4	173.0693692
1.771	343.3	142.096964	27.9	2.298	340.2	144.7927354
1.595	337	148.1486618	27.85	2.008	334.3	151.4788997
2.064	337.2	147.9207527	27.87	2.669	336.6	148.6120398
1.528	343.6	141.8632814	27.84	2.054	343.3	142.096964
1.453	355.7	136.0052434	27.87	1.968	350.3	137.796957
2.036	345.4	140.557513	27.88	2.752	343.7	141.786421
1.957	344.9	140.9038772	27.84	2.541	342	143.1641434
1.728	344	141.5589225	27.82	2.288	342.2	142.9941199
2.119	339	145.9799608	27.81	2.703	334.7	150.9548471
1.68	341.8	143.3363204	27.76	2.227	338.8	146.1859844
1.535	343	142.3353263	27.74	2.326	339.6	145.3759529
1.805	343.7	141.786421	27.7	2.348	339.4	145.5749597
1.761	346	140.1581671	27.68	2.391	342.3	142.9099119
1.943	349.4	138.2203136	27.66	2.532	344.6	141.1176841
2.536	344	141.5589225	27.63	3.059	342.4	142.8262379
2.339	347.1	139.4714437	27.59	2.967	343.2	142.1758963
1.887	344.2	141.4098131	27.49	2.387	340	144.9848547
2.387	345.4	140.557513	27.47	3.175	346.5	139.8387928

28.3	2.426	334.3	151.4788997	150.3129652	No
28.37	2.652	336.6	148.6120398	149.9310385	No
28.4	2.054	342.3	142.9099119	146.576087	No
28.45	2.426	335.6	149.8154124	149.2275199	No
28.49	2.514	339.9	145.0817692	146.1390201	No
28.42	2.881	341.3	143.7762629	145.0539971	No
28.32	3.943	341.5	143.5986496	144.8346025	No
28.26	3.519	330.1	157.6854758	157.6770976	No
28.15	3.351	339.8	145.1792559	147.3855606	No
28.06	3.239	346.8	139.6529623	142.5149926	No
28	3.588	347.6	139.1784222	140.400734	No
27.97	3.733	336.4	148.8475437	150.2072949	No
27.94	3.612	347.5	139.23608	141.3822934	No
27.94	3.217	350.8	137.577514	139.6609263	No
27.93	2.994	353.7	136.5220169	136.8587959	No
27.96	2.431	342.4	142.8262379	144.6853226	No
27.96	3.11	351	137.4928614	140.8416781	No
27.94	3.697	333.9	152.0140384	152.2913323	No
27.91	3.013	338.2	146.8183282	147.9860919	No
27.88	2.675	342.1	143.0788632	144.5927763	No
27.92	2.524	337.9	147.1426245	152.4414142	No
27.97	2.433	343.6	141.8632814	143.5553497	No
27.92	3.227	351.2	137.4099861	137.8956868	No
27.81	1.997	346.6	139.7763685	140.6814167	No
27.8	2.64	342.8	142.4968525	142.8634382	No
27.85	2.67	338.6	146.3943767	151.966804	No
27.87	2.891	337.7	147.3618674	148.1896025	No
27.91	1.962	347.9	139.008273	141.0772443	No
28	1.925	346.9	139.5919783	140.8904805	No
28.07	2.27	348.1	138.8971847	140.6052239	No
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28.1	3.308	346.9	139.5919783	140.9211737	No
28.03	3.513	328	161.3176459	166.6562339	No
27.99	2.555	346.3	139.9650888	141.6269376	No
27.94	2.458	341.4	143.6871825	145.8813897	No
27.97	3.007	341.6	143.5106627	144.6132608	No
27.95	2.339	348.3	138.7879636	139.8174301	No
27.98	2.287	355.5	136.0492916	136.9991673	No
28	3.082	349	138.4202926	140.0890512	No
27.95	2.82	349.2	138.3193881	140.7857234	No
27.93	2.611	347	139.5314724	140.1949887	No
27.93	3.085	340.3	144.6975271	146.4174884	No
27.88	2.571	343	142.3353263	142.8149479	No
27.86	2.464	345	140.8336095	142.4694734	No
27.83	2.723	345.8	140.2893212	141.8682778	No
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27.78	3.072	350.4	137.7521729	138.836781	No
27.76	3.751	347	139.5314724	140.6709449	No
27.72	3.643	347.9	139.008273	140.0603085	No
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27.6	3.686	350.2	137.8421902	140.9718025	No

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7/29/2019	18:46	27.2	0.566
7/29/2019	18:47	27.16	0.69
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7/29/2019	18:49	27.07	0.596
7/29/2019	18:50	27.04	0.497
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7/29/2019	18:52	27.03	0.525
7/29/2019	18:53	27.01	0.459
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7/29/2019	18:55	26.95	0.408
7/29/2019	18:56	26.93	0.434
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7/29/2019	18:58	26.88	0.526
7/29/2019	18:59	26.87	0.668
7/29/2019	19:00	26.85	0.537
7/29/2019	19:01	26.82	0.427
7/29/2019	19:02	26.78	0.524
7/29/2019	19:03	26.76	0.565
7/29/2019	19:04	26.74	0.731
7/29/2019	19:05	26.71	0.377
7/29/2019	19:06	26.67	0.377
7/29/2019	19:07	26.63	0.535
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7/29/2019	19:11	26.49	0.396
7/29/2019	19:12	26.45	0.387
7/29/2019	19:13	26.4	0.403
7/29/2019	19:14	26.35	0.381
7/29/2019	19:15	26.32	0.468
7/29/2019	19:16	26.29	0.385
7/29/2019	19:17	26.26	0.416
7/29/2019	19:18	26.21	0.268
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7/29/2019	19:23	26.03	0.238
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7/29/2019	19:26	25.92	0.312
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7/29/2019	19:28	25.85	0.268
7/29/2019	19:29	25.79	0.208
7/29/2019	19:30	25.74	0.213
7/29/2019	19:31	25.66	0.197
7/29/2019	19:32	25.59	0.281
7/29/2019	19:33	25.51	0.281
7/29/2019	19:34	25.44	0.212
7/29/2019	19:35	25.38	0.334

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345	140.8336095	27.62
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339.1	145.8778326	27.51
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354.1	136.4050401	27.31
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345.1	140.7638403	27.23
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350.3	137.796957	26.58
345.3	140.6257933	26.53
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2.133	344.7
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1.417	345
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1.273	341.5
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0.989	344.4
0.981	341.2
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0.912	343.8
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0.767	345.4
0.78	344.8
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140.355632	26.63
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2.38	348	138.952495	27.44	3.06	346.2	140.0289626
2.533	342.2	142.9941199	27.38	3.199	340.7	144.3223303
2.282	351.3	137.3692134	27.31	2.642	349	138.4202926
2.187	346.9	139.5919783	27.28	2.766	344.8	140.9746448
1.81	343.1	142.25535	27.25	2.493	339.9	145.0817692
1.798	340.6	144.4152874	27.24	2.595	336.4	148.8475437
2.197	340	144.9848547	27.23	2.936	337.7	147.3618674
2.012	344.2	141.4098131	27.22	2.59	343	142.3353263
1.971	345.6	140.4224336	27.18	2.363	340.1	144.8885107
2.04	341.4	143.6871825	27.16	2.59	341.2	143.8658923
1.764	344.7	141.0459134	27.14	2.248	341.9	143.249962
1.938	341	144.0468045	27.12	2.528	335.5	149.9393426
2.016	345.4	140.557513	27.1	2.439	343	142.3353263
2.375	346.3	139.9650888	27.12	2.943	346.2	140.0289626
2.034	345.5	140.4897269	27.1	2.495	343.2	142.1758963
1.783	345.6	140.4224336	27.06	2.159	340.8	144.2299319
1.715	345.1	140.7638403	27.01	2.219	341.7	143.4232201
2.246	342.8	142.4968525	27.01	3.147	340.8	144.2299319
2.244	354.1	136.4050401	27	2.991	351.6	137.249547
1.614	343.7	141.786421	27	2.196	342.1	143.0788632
1.632	338.8	146.1859844	26.91	2.074	337.3	147.8077356
2.143	343.2	142.1758963	26.87	2.701	341.2	143.8658923
1.617	337.5	147.5835656	26.87	2.217	333.4	152.6988115
1.917	345.3	140.6257933	26.82	2.258	343.9	141.6342428
1.792	345.3	140.6257933	26.8	2.384	341.7	143.4232201
1.603	337.6	147.4724086	26.74	2.019	333.9	152.0140384
1.569	339.6	145.3759529	26.69	1.993	337.9	147.1426245
1.517	345.8	140.2893212	26.64	1.695	342	143.1641434
1.62	342.6	142.6604859	26.6	1.821	339.8	145.1792559
1.625	344.9	140.9038772	26.6	1.955	342.2	142.9941199
1.625	340.9	144.1380905	26.58	1.994	338.5	146.4994658
1.534	346.2	140.0289626	26.54	1.653	342.2	142.9941199
1.201	340.2	144.7927354	26.49	1.686	336.9	148.2635581
1.201	339.7	145.2773166	26.46	1.57	335.6	149.8154124
1.057	338.5	146.4994658	26.43	1.407	334.1	151.7450728
1.29	344.1	141.484113	26.39	1.77	341.5	143.5986496
1.233	345.3	140.6257933	26.37	1.505	338.2	146.8183282
1.025	347.9	139.008273	26.32	1.306	339.3	145.6753339
1.312	344.9	140.9038772	26.29	1.586	341.7	143.4232201
1.438	349.5	138.1714606	26.31	1.875	345.1	140.7638403
1.314	344.5	141.1899582	26.29	1.614	342.7	142.5784051
1.23	338.1	146.9258206	26.24	1.464	335.4	150.0639356
1.146	342.3	142.9099119	26.21	1.424	339.4	145.5749597
1.094	340.9	144.1380905	26.14	1.437	337.8	147.2519401
1.023	339.7	145.2773166	26.08	1.375	338.4	146.6051528
1.094	342.9	142.4158267	26.01	1.343	338.7	146.2898835
1.077	344.6	141.1176841	25.94	1.33	342.5	142.7430964
1.1	343.8	141.7100752	25.88	1.327	342.2	142.9941199
1.01	343.9	141.6342428	25.81	1.302	340.8	144.2299319
1.162	344.4	141.262737	25.77	1.485	344	141.5589225

27.62	3.769	0.369	135.4513169	136.1225886	No
27.6	3.724	348.4	138.734051	139.817408	No
27.53	3.58	346	140.1581671	142.2464159	No
27.45	3.259	352.7	136.8445673	139.504114	No
27.42	3.103	350.4	137.7521729	140.0202088	No
27.4	2.817	346.5	139.8387928	143.6524387	No
27.39	2.798	343.9	141.6342428	143.6652706	No
27.38	3.289	343.1	142.25535	144.1944921	No
27.37	2.993	348.5	138.6806025	141.9416841	No
27.33	2.949	347	139.5314724	141.4055345	No
27.31	2.839	345.6	140.4224336	144.1193706	No
27.29	2.682	347.3	139.3528135	141.4813529	No
27.27	2.902	342.6	142.6604859	145.6934729	No
27.25	2.964	345.3	140.6257933	141.3344072	No
27.28	3.464	348.1	138.8971847	141.1515211	No
27.25	2.991	349.2	138.3193881	141.3447021	No
27.21	2.68	345.3	140.6257933	141.317667	No
27.17	2.53	346.6	139.7763685	141.0202344	No
27.18	3.407	345	140.8336095	141.9990494	No
27.17	3.246	356.9	135.7762441	136.65299	No
27.18	2.471	345.6	140.4224336	140.8739627	No
27.08	2.455	342	143.1641434	143.7483644	No
27.06	3.338	346.1	140.0933217	142.0354126	No
27.05	2.508	340.1	144.8885107	147.0611281	No
27.01	2.805	347	139.5314724	141.0867043	No
26.99	2.768	346.7	139.7144254	140.5058484	No
26.94	2.397	338.8	146.1859844	146.2631001	No
26.88	2.336	343.3	142.096964	143.5244548	No
26.83	2.349	346.2	140.0289626	140.7160054	No
26.78	2.347	343.2	142.1758963	142.599398	No
26.79	2.539	346.3	139.9650888	140.3189302	No
26.78	2.383	342.9	142.4158267	145.1442151	No
26.74	2.274	347.2	139.411891	139.9867184	No
26.68	1.812	343.1	142.25535	144.7659521	No
26.67	1.803	341.7	143.4232201	144.86862	No
26.64	1.612	339.2	145.7762909	145.6928296	No
26.63	1.963	345.3	140.6257933	140.2883933	No
26.6	1.827	344.7	141.0459134	141.4160754	No
26.54	1.573	346.1	140.0933217	141.0409533	No
26.53	1.998	345.2	140.6945686	140.8319014	No
26.56	2.146	350.3	137.796957	138.7377989	No
26.52	1.959	347.1	139.4714437	141.1107478	No
26.49	1.836	341	144.0468045	145.3875543	No
26.44	1.683	344.6	141.1176841	142.3228467	No
26.37	1.566	342.7	142.5784051	142.7242657	No
26.31	1.57	345.3	140.6257933	143.6317036	No
26.25	1.671	345.3	140.6257933	143.0515148	No
26.19	1.643	347.5	139.23608	140.7183852	No
26.14	1.59	347.1	139.4714437	142.2819001	No
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26.04	1.766	346.4	139.9016992	140.3085923	No

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7/29/2019	19:40	25.09	0.22
7/29/2019	19:41	25.03	0.19
7/29/2019	19:42	24.98	0.198
7/29/2019	19:43	24.94	0.207
7/29/2019	19:44	24.9	0.213
7/29/2019	19:45	24.86	0.162
7/29/2019	19:46	24.82	0.28
7/29/2019	19:47	24.78	0.247
7/29/2019	19:48	24.73	0.308
7/29/2019	19:49	24.67	0.246
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7/29/2019	19:51	24.58	0.315
7/29/2019	19:52	24.51	0.224
7/29/2019	19:53	24.47	0.361
7/29/2019	19:54	24.41	0.255
7/29/2019	19:55	24.34	0.272
7/29/2019	19:56	24.27	0.191
7/29/2019	19:57	24.2	0.202
7/29/2019	19:58	24.12	0.254
7/29/2019	19:59	24.07	0.218
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7/29/2019	20:02	23.98	0.311
7/29/2019	20:03	23.92	0.161
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7/29/2019	20:05	23.73	0.212
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7/29/2019	20:08	23.42	0.154
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7/29/2019	20:10	23.21	0.159
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7/29/2019	20:12	23.01	0.136
7/29/2019	20:13	22.91	0.148
7/29/2019	20:14	22.83	0.154
7/29/2019	20:15	22.75	0.175
7/29/2019	20:16	22.68	0.133
7/29/2019	20:17	22.62	0.128
7/29/2019	20:18	22.55	0.114
7/29/2019	20:19	22.49	0.098
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7/29/2019	20:21	22.39	0.072
7/29/2019	20:22	22.34	0.053
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7/29/2019	20:24	22.25	0.069
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137.0330898	23.69
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0.969	344.1	141.484113	25.23	1.142	344.8	140.9746448
1.196	344.4	141.262737	25.26	1.53	339.4	145.5749597
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0.901	343.5	141.9406579	24.94	1.172	343.1	142.25535
0.959	344.2	141.4098131	24.84	1.126	343.8	141.7100752
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0.615	11.29	137.7034283	24.23	0.934	9.77	137.0849349
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25.28	1.427	350.3	137.796957	141.3448818	No
25.23	1.476	349.4	138.2203136	140.4894432	No
25.18	1.65	351	137.4928614	138.5366092	No
25.15	1.542	351.5	137.2889944	138.0143541	No
25.1	1.448	357.5	135.6843278	137.3786657	No
25.12	1.625	355.2	136.1185285	137.4078808	No
25.23	1.563	354.8	136.2167669	137.287319	No
25.15	1.227	356	135.9423289	138.6856381	No
25.04	1.133	0.715	135.446206	135.9741899	No
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23.68	0.716	314.1	195.7142115	144.1462776	No

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7/29/2019	21:08	21.06	0.24
7/29/2019	21:09	21.04	0.197
7/29/2019	21:10	21.04	0.204
7/29/2019	21:11	21.03	0.188
7/29/2019	21:12	21.02	0.214
7/29/2019	21:13	21.02	0.239
7/29/2019	21:14	21.03	0.18
7/29/2019	21:15	21	0.192
7/29/2019	21:16	20.99	0.179
7/29/2019	21:17	20.96	0.225

275.5	141.7313339	22.21
275.8	141.7930115	22.13
280.9	143.4541915	22.06
286.7	146.8220309	21.99
287.9	147.7298938	21.93
291.4	150.8262993	21.88
288.6	148.294859	21.83
294.1	153.7040237	21.8
286.2	146.4659307	21.75
294.3	153.9352634	21.7
296.3	156.3924283	21.64
293.6	153.1370917	21.58
292.4	151.8402112	21.53
301.7	164.4719393	21.49
309.2	180.0191816	21.46
305.2	171.014516	21.44
311.3	185.5124012	21.42
304.5	169.6136358	21.4
300.4	162.3184643	21.38
300.1	161.8412498	21.36
285.4	145.922785	21.35
295.2	155.008001	21.33
292.6	152.0502072	21.32
290.9	150.341502	21.3
284.5	145.3502763	21.28
302	164.9891752	21.28
305.3	171.2186266	21.27
295.1	154.8861795	21.26
311.7	186.6257896	21.25
317.4	186.7249594	21.24
320.3	178.3888034	21.22
309	179.5253688	21.21
303.6	167.8823409	21.22
297.7	158.2758734	21.22
294.7	154.4054945	21.21
298.1	158.8398912	21.2
295.1	154.8861795	21.19
289.7	149.2366877	21.18
287.9	147.7298938	21.18
285.1	145.7274513	21.18
284.5	145.3502763	21.17
288.6	148.294859	21.17
282.8	144.3776216	21.17
287.6	147.4958051	21.16
281.1	143.5434164	21.16
285.1	145.7274513	21.16
283.5	144.7611164	21.16
285.2	145.7920604	21.15
283.4	144.7048835	21.13
281.9	143.9189973	21.1
288.6	148.294859	21.07

0.249	271.2
0.265	286.4
0.279	289.9
0.275	294.1
0.309	298.5
0.284	303.7
0.26	304.3
0.281	305.4
0.311	292.6
0.282	299.2
0.332	293.2
0.291	298.6
0.3	295.5
0.288	305.2
0.281	316
0.282	315.5
0.261	315.4
0.214	315.7
0.197	315.5
0.172	308.4
0.16	309.8
0.15	321
0.163	327.3
0.151	322.2
0.163	319.9
0.218	310.1
0.224	312.7
0.169	313.7
0.198	318.9
0.195	323.6
0.2	324.5
0.215	314.9
0.226	310.2
0.205	307.1
0.211	311.8
0.211	301.3
0.221	303.5
0.288	299
0.264	290.5
0.337	285.5
0.358	281.9
0.33	282.9
0.364	280.8
0.356	282.2
0.377	278.8
0.382	277.7
0.372	278.4
0.371	277.7
0.363	277.2
0.369	277.6
0.352	281.8

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146.6068237	22.41
149.4151502	22.34
153.7040237	22.28
159.4157407	22.22
168.0709172	22.18
169.2222095	22.14
171.4237479	22.11
152.0502072	22.06
160.4525084	21.99
152.6948941	21.91
159.5615734	21.83
155.3774631	21.75
171.014516	21.7
191.2154206	21.67
192.9002508	21.66
193.2425592	21.66
192.2210107	21.64
192.9002508	21.62
178.0729882	21.59
181.5304128	21.58
176.5532489	21.55
162.6150149	21.53
173.55231	21.51
179.4670474	21.5
182.3031224	21.49
189.5095215	21.49
192.5433417	21.49
182.2598979	21.49
170.2702897	21.48
168.2774801	21.47
194.9814553	21.49
182.5632711	21.5
175.0703199	21.51
186.9076557	21.51
163.7942737	21.5
167.6946976	21.5
160.152474	21.5
149.9641021	21.51
145.9889028	21.53
143.9189973	21.56
144.4309631	21.57
143.4102756	21.57
144.0675996	21.58
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142.4938547	21.55
142.2756368	21.52
142.1331484	21.49
142.2462495	21.45
143.8704074	21.4

0.306	278.6	142.5602372	22.9	0.462	285.6	146.0555256
0.391	286.8	146.8948028	22.81	0.557	290.4	149.8711879
0.437	289.9	149.4151502	22.76	0.62	293.6	153.1370917
0.446	292.6	152.0502072	22.71	0.63	295.1	154.8861795
0.452	295.3	155.1304872	22.68	0.639	298.6	159.5615734
0.42	298.8	159.8555038	22.65	0.624	301.4	163.9624173
0.412	300.3	162.1585863	22.62	0.602	304.1	168.8346381
0.42	301.1	163.4605101	22.61	0.587	303.4	167.507983
0.401	289.8	149.3256382	22.52	0.553	285.3	145.8571712
0.409	295.3	155.1304872	22.41	0.575	291.9	151.3257947
0.436	293.3	152.8045061	22.29	0.616	289.2	148.8003043
0.413	296.2	156.2631643	22.17	0.604	292.1	151.529758
0.412	292.7	152.156119	22.07	0.589	289.1	148.7146909
0.45	301.9	164.8158999	22.01	0.609	302.5	165.8686538
0.436	309.2	180.0191816	22.02	0.614	310.6	183.6169505
0.432	313.5	191.9241395	22.05	0.616	315.7	192.2210107
0.411	317	187.9748679	22.06	0.551	320.1	178.9252109
0.331	315.9	191.5488631	22.04	0.473	321	176.5532489
0.266	313.6	192.2329492	22	0.414	318.6	183.1257514
0.271	307.5	175.9737479	21.95	0.382	313.8	195.7142115
0.238	307.4	175.7462142	21.91	0.353	311.2	185.2375331
0.223	315.1	194.2803784	21.88	0.339	315.8	191.884056
0.233	321.8	174.5327325	21.84	0.326	319.5	180.5672593
0.208	324.5	168.2774801	21.83	0.311	320.5	177.8577632
0.231	319.6	180.290119	21.81	0.299	314.3	195.7142115
0.29	308.5	178.312062	21.8	0.356	304.7	170.0089535
0.317	307.2	175.2945059	21.8	0.38	302.7	166.2266321
0.217	307.6	176.202409	21.79	0.342	296.9	157.1826166
0.272	314	195.7142115	21.79	0.358	305.4	171.4237479
0.314	320.3	178.3888034	21.78	0.377	312	187.4756675
0.307	321.9	174.2857928	21.78	0.376	315.8	191.884056
0.325	315.6	192.5597384	21.8	0.407	312.4	188.6290418
0.376	309.7	181.2753983	21.81	0.422	309.4	180.5179243
0.341	307.6	176.202409	21.83	0.447	308.9	179.2802945
0.312	309.4	180.5179243	21.86	0.463	316.3	190.2254851
0.321	305.4	171.4237479	21.9	0.484	311.6	186.3453391
0.322	305.4	171.4237479	21.92	0.502	313.8	195.7142115
0.364	300.9	163.1300876	21.96	0.529	309.5	180.7691609
0.406	295.8	155.7529709	21.99	0.526	307.1	175.0703199
0.476	290.5	149.9641021	22.03	0.58	302.8	166.4069628
0.513	287.9	147.7298938	22.06	0.64	298.5	159.4157407
0.534	288.4	148.1307424	22.08	0.682	298.5	159.4157407
0.513	287.5	147.4188376	22.11	0.674	294.5	154.1690811
0.471	287.5	147.4188376	22.13	0.637	293.3	152.8045061
0.457	284.9	145.5997344	22.13	0.649	287.3	147.2664881
0.455	283.7	144.8750382	22.11	0.657	282.5	144.220467
0.443	282.1	144.0175927	22.07	0.64	278.3	142.4613373
0.409	280.7	143.3668232	22.02	0.634	272.3	141.3169846
0.404	279.8	142.996497	21.96	0.656	270.8	141.2750152
0.415	281.3	143.6345036	21.88	0.642	272.9	141.3609132
0.45	285.6	146.0555256	21.83	0.631	276	141.8363207

23.65	0.704	314.4	195.7142115	142.9059583	No
23.6	0.82	311.5	186.0662962	146.2914565	No
23.56	0.874	313.8	195.7142115	148.8553959	No
23.53	0.956	312.8	189.8060036	151.8656103	No
23.55	1.035	315.6	192.5597384	155.4594238	No
23.54	1.024	316.4	189.898934	160.6787844	No
23.54	1.022	319.1	181.6899539	162.1275732	No
23.53	0.979	318.7	182.8356637	164.0240662	No
23.36	0.72	294	153.5893653	148.4247368	No
23.16	0.85	301.3	163.7942737	155.2110134	No
22.98	0.855	295.2	155.008001	152.6730332	No
22.82	0.855	296.9	157.1826166	155.1228969	No
22.68	0.835	295.3	155.1304872	152.0221211	No
22.68	1.004	312.8	189.8060036	166.5427522	No
22.76	0.931	316	191.2154206	183.7176836	Yes
22.82	0.867	315.8	191.884056	187.0149792	Yes
22.79	0.781	318.7	182.8356637	186.4137598	Yes
22.69	0.673	320	179.1954466	182.4841896	Yes
22.59	0.569	319.1	181.6899539	182.6443539	Yes
22.49	0.525	310.3	182.824721	177.9005494	Yes
22.41	0.456	304	168.6422867	172.1092363	No
22.32	0.409	304.6	169.810806	179.4314211	Yes
22.25	0.347	304.7	170.0089535	167.4413035	No
22.19	0.315	302	164.9891752	167.5072638	No
22.13	0.315	295.5	155.3774631	175.2054135	Yes
22.09	0.375	292.4	151.8402112	173.9033283	No
22.06	0.4	290	149.5052253	175.5623215	Yes
22.03	0.402	287.5	147.4188376	170.2036367	No
22.04	0.399	294.6	154.2869623	184.0059117	Yes
22.04	0.4	299.8	161.3712442	180.71493	Yes
22.06	0.395	310.4	183.0874794	178.2090331	Yes
22.07	0.432	312	187.4756675	188.9239011	Yes
22.09	0.489	312.2	188.0494405	178.0597337	Yes
22.12	0.513	316.9	188.2914027	172.2072242	No
22.17	0.541	322.7	172.3538995	178.0141399	Yes
22.22	0.583	322.9	171.8828066	170.100813	No
22.27	0.596	324.8	167.6326681	172.4297091	No
22.34	0.632	325	167.2080708	163.3221026	No
22.42	0.713	324.9	167.4198452	157.1293217	No
22.5	0.796	320	179.1954466	152.0218547	No
22.56	0.826	313.4	191.6169031	149.103727	No
22.59	0.841	310.2	182.5632711	150.0680763	No
22.6	0.782	307.5	175.9737479	147.343954	No
22.59	0.712	304.3	169.2222095	147.9466871	No
22.57	0.699	295.2	155.008001	144.7595148	No
22.53	0.711	288.8	148.4611505	144.2746483	No
22.45	0.66	283.2	144.5938692	143.4334753	No
22.36	0.555	273.3	141.3988308	143.1878762	No
22.27	0.583	270.7	141.2756607	142.777386	No
22.21	0.62	273.2	141.3887034	142.7901659	No
22.2	0.668	275.8	141.7930115	145.0142782	No

7/29/2019	21:18	20.94	0.208
7/29/2019	21:19	20.91	0.214
7/29/2019	21:20	20.87	0.229
7/29/2019	21:21	20.84	0.182
7/29/2019	21:22	20.81	0.228
7/29/2019	21:23	20.77	0.232
7/29/2019	21:24	20.73	0.197
7/29/2019	21:25	20.7	0.199
7/29/2019	21:26	20.67	0.186
7/29/2019	21:27	20.65	0.165
7/29/2019	21:28	20.63	0.159
7/29/2019	21:29	20.62	0.134
7/29/2019	21:30	20.6	0.117
7/29/2019	21:31	20.6	0.125
7/29/2019	21:32	20.6	0.118
7/29/2019	21:33	20.6	0.139
7/29/2019	21:34	20.61	0.155
7/29/2019	21:35	20.61	0.14
7/29/2019	21:36	20.6	0.179
7/29/2019	21:37	20.59	0.172
7/29/2019	21:38	20.59	0.166
7/29/2019	21:39	20.58	0.149
7/29/2019	21:40	20.58	0.094
7/29/2019	21:41	20.58	0.128
7/29/2019	21:42	20.58	0.113
7/29/2019	21:43	20.58	0.114
7/29/2019	21:44	20.57	0.088
7/29/2019	21:45	20.55	0.053
7/29/2019	21:46	20.54	0.044
7/29/2019	21:47	20.53	0.018
7/29/2019	21:48	20.5	0.045
7/29/2019	21:49	20.48	0.071
7/29/2019	21:50	20.47	0.082
7/29/2019	21:51	20.45	0.036
7/29/2019	21:52	20.43	0.031
7/29/2019	21:53	20.4	0.028
7/29/2019	21:54	20.38	0.029
7/29/2019	21:55	20.35	0.023
7/29/2019	21:56	20.32	0.036
7/29/2019	21:57	20.31	0.034
7/29/2019	21:58	20.31	0.047
7/29/2019	21:59	20.31	0.062
7/29/2019	22:00	20.31	0.045
7/29/2019	22:01	20.28	0.058
7/29/2019	22:02	20.27	0.068
7/29/2019	22:03	20.27	0.111
7/29/2019	22:04	20.26	0.177
7/29/2019	22:05	20.24	0.134
7/29/2019	22:06	20.22	0.182
7/29/2019	22:07	20.2	0.207
7/29/2019	22:08	20.15	0.271

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288.8	148.4611505	21
287.9	147.7298938	20.95
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281.5	143.7274589	20.85
282.8	144.3776216	20.8
282.8	144.3776216	20.76
283.7	144.8750382	20.72
287.2	147.1911034	20.69
277.5	142.2173074	20.67
282.8	144.3776216	20.65
285.2	145.7920604	20.63
281.8	143.8704074	20.62
281.3	143.6345036	20.61
282.7	144.324759	20.61
258.3	144.7611164	20.62
255.3	146.6780426	20.62
255.5	146.5361202	20.62
246.2	155.5019575	20.62
251.7	149.595865	20.61
243.6	158.9827372	20.61
248.3	153.0256028	20.6
245.3	156.6530324	20.6
244.6	157.5872152	20.6
248.9	152.3697801	20.59
259.3	144.220467	20.59
254.1	147.5733027	20.58
236.5	171.2186266	20.57
252.1	149.2366877	20.56
		20.55
61.87	161.5740339	20.52
63.12	159.6787823	20.49
65.95	155.8161479	20.47
66.28	155.4023082	20.44
84.5	142.1607573	20.42
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15	139.6529623	20.36
		20.33
334.5	151.2154981	20.3
348.5	138.6806025	20.28
335.2	150.3151193	20.28
354	136.4336422	20.28
291.8	151.2247092	20.27
292.5	151.9449052	20.25
294.3	153.9352634	20.23
286.1	146.3962542	20.24
278.7	142.5941034	20.23
290.6	150.0575889	20.21
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278.1	142.397648	20.17
283.7	144.8750382	20.12

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0.337	281.1
0.359	279.7
0.376	278.4
0.377	279.1
0.363	276.3
0.346	278.6
0.33	277.4
0.352	275.4
0.287	279.5
0.224	277.6
0.246	272.2
0.233	272.9
0.269	271.4
0.241	254.7
0.202	245.8
0.209	248.5
0.25	241
0.256	245.4
0.29	239.6
0.207	241.9
0.182	241.8
0.185	242.4
0.167	242.2
0.179	254.6
0.15	259.3
0.117	252.3
0.097	254.6
0.05	277.2
0.048	67.09
0.085	67.32
0.089	66.47
0.058	59.48
0.063	91.7
0.044	72.55
0.044	38.94
0.03	23.46
0.052	347.9
0.111	349.7
0.122	352.9
0.141	357.9
0.094	323
0.104	313.9
0.119	318.4
0.164	302.9
0.213	287.7
0.184	292.2
0.247	289.4
0.305	277
0.348	283.5

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143.4541915	21.29
143.5434164	21.21
142.9576428	21.14
142.4938547	21.06
142.7340803	21
141.9045775	20.94
142.5602372	20.9
142.1888102	20.86
141.7116497	20.84
142.8813029	20.82
142.2462495	20.81
141.3111722	20.79
141.3609132	20.79
141.2801795	20.79
147.1162438	20.8
156.0067	20.8
152.8045061	20.8
162.9661204	20.8
156.5223835	20.79
165.3383346	20.79
161.5271173	20.78
161.6837847	20.77
160.7556316	20.76
161.0618684	20.75
147.1911034	20.74
144.220467	20.73
149.0604651	20.72
147.1911034	20.7
142.1331484	20.68
154.4173837	20.65
154.1455828	20.61
155.1673631	20.58
165.5495103	20.55
141.2885722	20.52
148.8433181	20.49
171.9766515	20.46
146.6688528	20.42
139.008273	20.39
138.0751192	20.35
136.7766005	20.37
135.6313781	20.39
171.6490075	20.39
195.7142115	20.36
183.7103804	20.35
166.5881931	20.36
147.5733027	20.35
151.6326395	20.32
148.9731899	20.29
142.0792607	20.26
144.7611164	20.21

0.434	286.3	146.5361202	21.75	0.634	277	142.0792607
0.408	284.4	145.2891508	21.66	0.612	276.4	141.9282093
0.374	284.5	145.3502763	21.54	0.594	277.7	142.2756368
0.406	282	143.9680589	21.42	0.596	273.9	141.4686779
0.39	281.3	143.6345036	21.31	0.599	273.9	141.4686779
0.411	280.2	143.1564895	21.22	0.641	272.8	141.3525134
0.372	279.3	142.8067836	21.15	0.583	272.8	141.3525134
0.397	279.4	142.843816	21.1	0.616	273.2	141.3887034
0.402	280.1	143.1158038	21.07	0.619	272.8	141.3525134
0.351	277.8	142.3054699	21.06	0.582	271.4	141.2801795
0.339	280.4	143.23924	21.05	0.557	273.2	141.3887034
0.276	279.9	143.0358082	21.04	0.46	272.9	141.3609132
0.215	275.8	141.7930115	21.02	0.412	267.5	141.5239064
0.223	274.3	141.5239064	21.01	0.393	265.7	141.8586336
0.215	269.8	141.30084	21.01	0.371	261.7	143.1158038
0.27	254.6	147.1911034	21.02	0.382	252.2	149.1482972
0.303	248.1	153.2492103	21.02	0.41	245.2	156.7843776
0.334	249	152.2626427	21.03	0.473	245.2	156.7843776
0.361	245.8	156.0067	21.04	0.534	241.1	162.802978
0.357	247.1	154.4054945	21.04	0.506	241.7	161.8412498
0.394	241.5	162.1585863	21.04	0.527	237.6	169.0279442
0.301	244.2	158.1366964	21.02	0.438	239	166.4069628
0.265	246	155.7529709	20.99	0.389	240.7	163.4605101
0.262	244.9	157.1826166	20.97	0.331	241.1	162.802978
0.244	244.2	158.1366964	20.95	0.339	241	162.9661204
0.238	255.6	146.4659307	20.92	0.344	250.2	151.0243214
0.195	254.1	147.5733027	20.9	0.294	250.5	150.728171
0.151	252.6	148.8003043	20.88	0.251	250.4	150.8262993
0.115	255.3	146.6780426	20.86	0.212	254.3	147.4188376
0.068	244	158.4157786	20.83	0.14	254.9	146.9680947
0.033	309.2	180.0191816	20.8	0.091	272.4	141.3232279
0.108	69.27	151.9764319	20.77	0.078	55.93	172.4015023
0.13	72.01	149.3167179	20.74	0.145	72.09	149.2455575
0.069	74.62	147.1760895	20.7	0.08	81.1	143.3668232
0.072	100.2	143.1564895	20.66	0.089	107.4	147.3423991
0.043	91	141.2750152	20.63	0.072	103.9	144.9909076
0.045	48.18	192.2949007	20.6	0.052	83.1	142.5941034
0.031	23.66	146.882751	20.57	0.035	132.2	188.0494405
0.048	346	140.1581671	20.53	0.032	1.714	135.4591702
0.113	354.9	136.1915717	20.49	0.104	4.717	135.7466185
0.132	354.6	136.2684311	20.49	0.147	353	136.743267
0.175	357.5	135.6843278	20.49	0.211	346.2	140.0289626
0.133	335.9	149.4475739	20.5	0.181	332.3	154.2689366
0.132	323.8	169.8197457	20.49	0.199	320	179.1954466
0.183	317.6	186.1096044	20.49	0.221	313.7	192.5433417
0.207	303	166.7703272	20.49	0.314	301.7	164.4719393
0.269	293.4	152.9147416	20.46	0.37	295.7	155.627126
0.239	296.1	156.1345891	20.44	0.375	294.2	153.8193224
0.26	292.3	151.7361232	20.42	0.384	288.7	148.3777321
0.314	282.6	144.2723744	20.39	0.482	276.5	141.9522815
0.425	284.5	145.3502763	20.35	0.667	277.3	142.1607573

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22.09	0.625	273.6	141.431807	144.7831755	No
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21.66	0.622	272.9	141.3609132	142.8311238	No
21.56	0.629	272.4	141.3232279	142.9051762	No
21.49	0.61	272.7	141.344545	142.610374	No
21.46	0.611	271.5	141.2825466	142.9169487	No
21.47	0.62	269.6	141.3111722	143.4620577	No
21.5	0.588	268.9	141.3609132	141.8786516	No
21.52	0.541	270.3	141.2825466	142.971717	No
21.54	0.496	268.8	141.3697448	143.1087578	No
21.55	0.461	265	142.0271438	142.1246244	No
21.58	0.441	263.9	142.3357491	142.0944892	No
21.59	0.493	262.3	142.8813029	142.5053956	No
21.6	0.512	256	146.1902907	147.0541902	No
21.57	0.513	248.2	153.1370917	153.1795827	No
21.55	0.614	250.4	150.8262993	152.0969116	No
21.54	0.689	247.1	154.4054945	159.319439	No
21.55	0.703	247.1	154.4054945	155.5912482	No
21.57	0.683	241.8	161.6837847	163.8769006	No
21.51	0.611	240.8	163.294883	159.7740948	No
21.43	0.553	241	162.9661204	159.3875745	No
21.35	0.466	243.9	158.5564148	159.5821103	No
21.28	0.445	243	159.8555038	158.6336163	No
21.22	0.46	249.3	151.9449052	147.2254556	No
21.18	0.462	249.4	151.8402112	147.5238109	No
21.14	0.405	249.9	151.3257947	154.9764238	No
21.11	0.349	250.7	150.5336711	147.6311678	No
21.08	0.253	254.2	147.4958051	149.1723406	No
21.04	0.121	255.6	146.4659307	159.3334568	No
21	0.048	114.8	154.5246801	159.5505748	No
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20.75	0.071	119.7	161.2161624	161.6296545	No
20.71	0.034	93.7	141.4436643	160.5336814	No
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20.64	0.115	1.522	135.4534816	137.173478	No
20.63	0.165	337.8	147.2519401	140.0258545	No
20.6	0.227	333.5	152.5604335	136.9445777	No
20.6	0.222	320.3	178.3888034	156.6475568	No
20.6	0.235	316.5	189.5740787	174.1685773	No
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20.58	0.416	303.4	167.507983	161.0566784	No
20.57	0.467	301	163.294883	149.6773184	No
20.57	0.484	294.3	153.9352634	152.9110349	No
20.56	0.498	291.7	151.1242187	149.0508223	No
20.53	0.543	279.3	142.8067836	142.6753912	No
20.5	0.729	281.8	143.8704074	144.2867971	No

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7/29/2019	22:15	19.97	0.084
7/29/2019	22:16	19.96	0.221
7/29/2019	22:17	19.94	0.199
7/29/2019	22:18	19.93	0.212
7/29/2019	22:19	19.92	0.193
7/29/2019	22:20	19.92	0.147
7/29/2019	22:21	19.92	0.179
7/29/2019	22:22	19.91	0.168
7/29/2019	22:23	19.91	0.176
7/29/2019	22:24	19.9	0.172
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7/29/2019	22:26	19.89	0.192
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7/29/2019	22:28	19.88	0.198
7/29/2019	22:29	19.87	0.184
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7/29/2019	22:36	19.83	0.25
7/29/2019	22:37	19.83	0.255
7/29/2019	22:38	19.83	0.256
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7/29/2019	22:43	19.78	0.196
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7/29/2019	22:45	19.73	0.166
7/29/2019	22:46	19.71	0.245
7/29/2019	22:47	19.71	0.207
7/29/2019	22:48	19.73	0.181
7/29/2019	22:49	19.74	0.132
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292	151.4274771	19.88
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278.8	142.6284203	19.87
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273.1	141.3790081	19.86
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268.7	141.3790081	19.78
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0.322	280	143.0755769	20.19	0.549	271.7	141.2885722
0.29	285.7	146.1226545	20.18	0.406	275.6	141.7514553
0.278	311.9	187.1909456	20.16	0.385	301.1	163.4605101
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0.265	291.1	150.5336711	20.07	0.45	289.1	148.7146909
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0.259	290.5	149.9641021	20.09	0.456	285.4	145.922785
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0.336	283	144.4847842	20.13	0.547	277.5	142.2173074
0.372	283.1	144.539086	20.15	0.612	277.1	142.105983
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0.395	287.5	147.4188376	20.18	0.652	279.5	142.8813029
0.398	286.5	146.6780426	20.17	0.694	278.9	142.6631883
0.412	284.3	145.2285189	20.18	0.711	276.9	142.0529811
0.414	283.3	144.6491348	20.17	0.677	277.6	142.2462495
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0.367	289.3	148.8864702	20.12	0.581	282	143.9680589
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0.339	291.4	150.8262993	20.08	0.561	286.1	146.3962542
0.323	289.7	149.2366877	20.06	0.519	283.6	144.8178344
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0.269	297	157.3167727	20.02	0.51	288.2	147.9687897
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0.398	279.6	142.919245	19.94	0.694	273.1	141.3790081
0.427	268.6	141.3887034	19.94	0.719	263.7	142.397648
0.391	254.4	147.3423991	19.96	0.631	255	146.8948028
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20.16	0.685	287.3	147.2664881	148.3263736	No
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20.29	0.43	254.2	147.4958051	142.304789	No
20.3	0.277	269.3	141.3299024	150.2924774	No
20.32	0.267	267.4	141.5387984	146.2399221	No
20.36	0.258	275.2	141.6735922	148.9616021	No
20.41	0.301	281	143.4985715	159.4615424	No
20.43	0.386	291.4	150.8262993	168.3232392	No
20.46	0.455	287.2	147.1911034	162.863049	No

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7/29/2019	23:02	19.63	0.04
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7/29/2019	23:04	19.58	0.045
7/29/2019	23:05	19.56	0.021
7/29/2019	23:06	19.53	0.035
7/29/2019	23:07	19.52	0.046
7/29/2019	23:08	19.52	0.05
7/29/2019	23:09	19.5	0.088
7/29/2019	23:10	19.51	0.104
7/29/2019	23:11	19.51	0.074
7/29/2019	23:12	19.49	0.082
7/29/2019	23:13	19.46	0.02
7/29/2019	23:14	19.44	0.013
7/29/2019	23:15	19.41	0.015
7/29/2019	23:16	19.38	0.019
7/29/2019	23:17	19.34	0.039
7/29/2019	23:18	19.33	0.098
7/29/2019	23:19	19.37	0.072
7/29/2019	23:20	19.38	0.121
7/29/2019	23:21	19.37	0.122
7/29/2019	23:22	19.35	0.111
7/29/2019	23:23	19.34	0.089
7/29/2019	23:24	19.32	0.062
7/29/2019	23:25	19.3	0.064
7/29/2019	23:26	19.29	0.08
7/29/2019	23:27	19.28	0.078
7/29/2019	23:28	19.27	0.109
7/29/2019	23:29	19.25	0.125
7/29/2019	23:30	19.23	0.101
7/29/2019	23:31	19.22	0.112
7/29/2019	23:32	19.2	0.101
7/29/2019	23:33	19.18	0.074
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7/29/2019	23:36	19.15	0.068
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7/29/2019	23:39	19.14	0.098
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7/29/2019	23:41	19.13	0.099
7/29/2019	23:42	19.12	0.113
7/29/2019	23:43	19.11	0.109
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7/29/2019	23:45	19.08	0.098
7/29/2019	23:46	19.07	0.061
7/29/2019	23:47	19.06	0.055
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0.211	299.2
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0.251	292.2
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0.262	280.1	143.1158038	19.59	0.492	269.8	141.30084
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0.219	289.1	148.7146909	19.38	0.39	283.7	144.8750382
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0.195	326	165.1468514	19.24	0.348	318.7	182.8356637
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20.46	0.502	299.8	161.3712442	160.3727307	No
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20.38	0.326	308.2	177.5983781	156.0633146	No
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19.99	0.133	227.2	195.4097096	152.9946088	No
19.96	0.18	260.5	143.6345036	162.0234442	No
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19.91	0.1	260.2	143.7746389	157.5218261	No
19.87	0.097	280.9	143.4541915	150.8197229	No
19.85	0.279	285.9	146.2584353	143.3615689	No
19.85	0.411	281.6	143.7746389	141.651725	No
19.86	0.505	284.8	145.5366244	144.299445	No
19.87	0.535	289.9	149.4151502	148.7783869	No
19.87	0.601	290.1	149.595865	153.9930536	No
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19.89	0.525	276.1	141.8586336	142.6260077	No
19.87	0.551	270.6	141.2767366	141.7769919	No
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19.85	0.531	271.3	141.2782429	144.9107138	No
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19.78	0.611	272.9	141.3609132	143.4175417	No
19.75	0.706	277.4	142.1888102	146.7183069	No
19.72	0.668	280.1	143.1158038	143.5596354	No
19.68	0.596	279.1	142.7340803	142.5746738	No
19.64	0.475	281.3	143.6345036	146.1880159	No
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19.53	0.586	284.9	145.5997344	149.2881294	No
19.52	0.641	285.2	145.7920604	148.5707284	No
19.51	0.641	290.1	149.595865	156.2872618	No
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19.47	0.757	289.7	149.2366877	152.8964464	No
19.48	0.682	292.7	152.156119	164.0412856	No
19.47	0.595	299.5	160.9083592	183.0447517	Yes
19.45	0.487	310	182.0442679	156.1792402	No
19.43	0.485	319.2	181.4071437	148.9723817	No
19.4	0.472	317.1	187.6599662	164.935469	No
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0.252	308.3
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0.154	293
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0.204	307.3

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190.403504	18.99
175.5198021	18.98
166.2266321	18.98
150.6306288	18.98
147.8886214	18.97
141.3609132	18.96
142.2462495	18.97
144.220467	18.98
175.7462142	18.98
141.7116497	18.97
147.8089898	18.96
144.6491348	18.94
142.919245	18.91
146.3943767	18.87
180.5179243	18.84
150.6306288	18.82
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146.2584353	18.85
150.2462872	18.85
148.6296284	18.85
152.4775331	18.87
172.8883094	18.91
194.2803784	18.94
177.3628294	18.94
166.7703272	18.94
163.294883	18.92
160.9083592	18.9
160.3021067	18.88
147.7298938	18.83
144.539086	18.79
147.9687897	18.76
154.1690811	18.75
156.5223835	18.73
175.5198021	18.72

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0.151	290.9	150.341502	19.22	0.29	298.8	159.8555038
0.192	287.5	147.4188376	19.22	0.343	290.9	150.341502
0.261	285.2	145.7920604	19.23	0.412	288.3	148.0494963
0.267	277.6	142.2462495	19.24	0.458	281.4	143.6807474
0.274	274.7	141.5860815	19.25	0.493	277.5	142.2173074
0.272	277.2	142.1331484	19.25	0.509	275.4	141.7116497
0.254	275.6	141.7514553	19.25	0.52	272.4	141.3232279
0.294	279.3	142.8067836	19.25	0.515	274.7	141.5860815
0.299	293.2	152.6948941	19.24	0.468	285.2	145.7920604
0.296	305.6	171.8370419	19.22	0.479	296.8	157.0491672
0.346	310.4	183.0874794	19.21	0.528	301.8	164.6434892
0.374	310.4	183.0874794	19.2	0.54	303.4	167.507983
0.335	309.9	181.7867003	19.19	0.541	305.8	172.2544374
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0.388	312.1	187.7618297	19.17	0.583	306.7	174.1845669
0.393	314.4	195.7142115	19.15	0.584	310.5	183.3515534
0.33	309	179.5253688	19.14	0.522	304.9	170.4081994
0.34	305.9	172.4646859	19.14	0.535	301.9	164.8158999
0.362	296.2	156.2631643	19.15	0.556	294.8	154.5246801
0.344	292	151.4274771	19.14	0.55	290.4	149.8711879
0.285	278.2	142.4292686	19.13	0.509	279.6	142.919245
0.227	265.7	141.8586336	19.13	0.438	266.6	141.6735922
0.215	278.1	142.397648	19.14	0.379	273.3	141.3988308
0.126	294	153.5893653	19.14	0.29	280.3	143.1976347
0.064	272.5	141.3299024	19.13	0.135	268.9	141.3609132
0.192	116.5	156.6530324	19.11	0.22	105.8	146.1902907
0.237	113.8	153.3619607	19.09	0.323	105.9	146.2584353
0.112	88.3	141.4203824	19.05	0.183	94	141.4818346
0.068	8.03	136.5010511	19.02	0.049	66.25	155.4396262
0.118	314.6	195.7142115	18.99	0.079	322.2	173.55231
0.202	293.5	153.0256028	18.96	0.19	279.9	143.0358082
0.252	291.4	150.8262993	18.97	0.272	288.7	148.3777321
0.161	290.6	150.0575889	18.98	0.26	288.2	147.9687897
0.137	293.3	152.8045061	18.99	0.246	292.6	152.0502072
0.12	292.8	152.2626427	19	0.245	289.1	148.7146909
0.2	294.8	154.5246801	19.04	0.369	285.2	145.7920604
0.311	305.9	172.4646859	19.08	0.479	293.2	152.6948941
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0.346	304.1	168.8346381	19.12	0.551	296	156.0067
0.353	302.2	165.3383346	19.11	0.564	294.2	153.8193224
0.375	300.4	162.3184643	19.1	0.602	294.2	153.8193224
0.444	301.7	164.4719393	19.08	0.667	297.2	157.5872152
0.484	293.1	152.5859038	19.05	0.691	291.5	150.9250156
0.378	286.7	146.8220309	19.01	0.549	282.5	144.220467
0.356	289.4	148.9731899	18.97	0.508	284.5	145.3502763
0.336	293.4	152.9147416	18.95	0.461	286.5	146.6780426
0.282	294.4	154.0518489	18.93	0.423	287.1	147.1162438
0.292	304.3	169.2222095	18.91	0.433	295.7	155.627126

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19.4	0.425	310	182.0442679	149.8001975	No
19.41	0.429	307.3	175.5198021	150.3527736	No
19.43	0.467	305.3	171.2186266	146.0019876	No
19.44	0.566	301.1	163.4605101	144.3010546	No
19.46	0.656	291.9	151.3257947	143.6172864	No
19.48	0.69	285.5	145.9889028	142.9230056	No
19.5	0.655	283.7	144.8750382	141.821243	No
19.52	0.569	275.2	141.6735922	141.5611603	No
19.52	0.589	275	141.6372805	142.0431101	No
19.51	0.63	282.5	144.220467	152.4689807	No
19.49	0.681	288.8	148.4611505	167.6751497	No
19.46	0.709	294.5	154.1690811	173.5105105	No
19.45	0.747	296.6	156.7843776	178.6225937	Yes
19.43	0.729	300.5	162.4791534	179.6255058	Yes
19.42	0.783	300.7	162.802978	174.8673061	No
19.41	0.785	301.2	163.6269725	179.2492633	Yes
19.4	0.812	302.8	166.4069628	181.5861608	Yes
19.4	0.759	297.3	157.7235069	174.5707659	No
19.43	0.764	295.7	155.627126	171.2594077	No
19.45	0.812	291.9	151.3257947	152.3068658	No
19.44	0.823	289.7	149.2366877	147.9626187	No
19.43	0.732	284.3	145.2285189	142.5190625	No
19.43	0.544	273	141.3697448	145.1661637	No
19.43	0.46	273.1	141.3790081	143.8398362	No
19.42	0.341	272.7	141.344545	158.7934677	No
19.39	0.202	259.5	144.1180804	141.4674885	No
19.35	0.119	120.5	162.4791534	149.841751	No
19.3	0.303	108.3	148.0494963	149.2411062	No
19.25	0.254	109.8	149.3256382	141.7754104	No
19.21	0.104	108.3	148.0494963	150.4074842	No
19.17	0.056	314.3	195.7142115	176.3216008	Yes
19.13	0.174	296.5	156.6530324	148.489632	No
19.12	0.32	295.9	155.8794948	150.2165092	No
19.12	0.293	292.7	152.156119	146.4677239	No
19.13	0.314	291.5	150.9250156	149.223503	No
19.16	0.381	287.5	147.4188376	148.536512	No
19.21	0.469	282.9	144.4309631	151.5390586	No
19.25	0.607	291.4	150.8262993	171.2707278	No
19.27	0.626	299	160.152474	183.6119672	Yes
19.29	0.728	295.6	155.5019575	177.9540303	Yes
19.32	0.782	292.1	151.529758	163.9357681	No
19.34	0.785	289.2	148.8003043	168.1391337	No
19.38	0.837	287.7	147.5733027	160.0030666	No
19.4	0.924	292.3	151.7361232	165.9091649	No
19.39	0.992	289.1	148.7146909	150.6670726	No
19.36	0.786	283	144.4847842	146.4097932	No
19.3	0.692	282.6	144.2723744	147.4086638	No
19.24	0.665	283.9	144.9909076	154.3472095	No
19.2	0.583	283.2	144.5938692	153.6187135	No
19.16	0.596	286.7	146.8220309	169.8513927	No

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282.5	144.220467	18.63
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292.1	151.529758	18.58
282.8	144.3776216	18.57
291	150.437296	18.57
301.1	163.4605101	18.57
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329.6	158.5161218	18.55
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328.4	160.5962459	18.55
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328.9	159.7144084	18.54
316.8	188.6095808	18.53
328.8	159.8890273	18.5
326.9	163.3767931	18.48
336.8	148.379085	18.47
330.2	157.5218261	18.46
331	156.2417902	18.45
331.4	155.6208578	18.44
327.2	162.8040494	18.44
320.7	177.3320297	18.46
327	163.184934	18.48
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256.9	145.5997344	18.48
279.5	142.8813029	18.49
314.9	194.9814553	18.51
306	172.6759748	18.52
310.3	182.824721	18.52
310.9	184.4211537	18.51
297.8	158.4157786	18.49
303.7	168.0709172	18.46
298.7	159.7081601	18.42
349.4	138.2203136	18.37
308	177.1284437	18.34
332	154.712722	18.34
301.1	163.4605101	18.35
293.6	153.1370917	18.36
330.9	156.3989918	18.38
319.3	181.1257634	18.37
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310.4	183.0874794	18.35
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313.7	192.5433417	18.34
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0.379	280
0.343	289.6
0.279	294.1
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0.194	314.7
0.181	328
0.214	313.8
0.223	313.5
0.271	318.1
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0.375	321.7
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0.221	311.3
0.316	305.8
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0.438	302.7
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149.1482972	18.7
153.7040237	18.69
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161.3176459	18.66
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191.9241395	18.66
184.5985921	18.66
173.55231	18.64
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0.369	268.2	141.431807	18.95	0.632	261.6	143.1564895
0.406	282.3	144.1180804	18.97	0.633	271.2	141.2767366
0.374	284.5	145.3502763	18.97	0.561	276	141.8363207
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0.418	284.6	145.4118964	18.93	0.583	277.3	142.1607573
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0.305	304.9	170.4081994	18.88	0.444	290.8	150.2462872
0.244	309.4	180.5179243	18.87	0.381	298.6	159.5615734
0.272	319.1	181.6899539	18.87	0.393	307.8	176.6631365
0.266	314.8	195.3347893	18.86	0.442	306.5	173.7482078
0.306	313.7	192.5433417	18.86	0.469	306	172.6759748
0.385	320.6	177.5942369	18.86	0.559	316	191.2154206
0.451	323.4	170.7253164	18.85	0.667	321.4	175.5328989
0.466	323.7	170.0444603	18.83	0.678	321.7	174.7809062
0.481	325.7	165.7545685	18.81	0.665	324.3	168.7126952
0.47	323.4	170.7253164	18.8	0.71	324.1	169.1522337
0.535	327.1	162.994021	18.79	0.711	328	161.3176459
0.596	326.1	164.946271	18.78	0.829	328.3	160.7752562
0.576	320.1	178.9252109	18.77	0.776	322.9	171.8828066
0.576	317.8	185.5005447	18.77	0.736	320.5	177.8577632
0.513	322.4	173.0693692	18.78	0.699	325.3	166.5789856
0.344	325.4	166.3713526	18.8	0.581	326.5	164.1537804
0.216	318.3	184.0049395	18.8	0.392	320.9	176.811543
0.162	314.2	195.7142115	18.81	0.309	322.6	172.5912057
0.207	310.4	183.0874794	18.83	0.224	313.7	192.5433417
0.226	303	166.7703272	18.83	0.305	306.3	173.3161361
0.253	313.7	192.5433417	18.83	0.385	315.9	191.5488631
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0.462	309.8	181.5304128	18.84	0.651	314.2	195.7142115
0.453	304.3	169.2222095	18.83	0.622	310.6	183.6169505
0.547	309.2	180.0191816	18.81	0.719	314.3	195.7142115
0.536	300.9	163.1300876	18.8	0.747	303.9	168.4508857
0.431	340.8	144.2299319	18.76	0.599	335.1	150.441715
0.297	316.3	190.2254851	18.75	0.513	319.5	180.5672593
0.374	316.4	189.898934	18.76	0.562	318.7	182.8356637
0.316	311	184.6919171	18.78	0.519	313.8	195.7142115
0.379	305.7	172.0452245	18.78	0.544	310.5	183.3515534
0.469	316.5	189.5740787	18.8	0.677	318.7	182.8356637
0.574	311	184.6919171	18.8	0.773	315.4	193.2425592
0.575	304.8	170.2080831	18.81	0.777	309.9	181.7867003
0.614	303.1	166.9533691	18.78	0.776	309	179.5253688
0.646	305.3	171.2186266	18.76	0.754	308.6	178.5523232
0.637	293.6	153.1370917	18.74	0.801	298.6	159.5615734
0.64	298.4	159.2706591	18.73	0.767	300.4	162.3184643
0.627	304.7	170.0089535	18.71	0.729	307.4	175.7462142
0.589	308.5	178.312062	18.7	0.725	311.6	186.3453391

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19.15	0.66	264.9	142.0529811	141.4857725	No
19.19	0.763	264.5	142.1607573	141.9160074	No
19.22	0.727	269.7	141.3057907	143.9856528	No
19.24	0.704	270.4	141.2801795	143.9865375	No
19.26	0.726	268.7	141.3790081	143.8410994	No
19.25	0.72	272.3	141.3169846	145.7652438	No
19.24	0.738	270.8	141.2750152	145.250063	No
19.24	0.749	274.1	141.4954247	143.4745306	No
19.24	0.748	277.6	142.2462495	147.8426443	No
19.2	0.694	280.6	143.3238336	153.5798655	No
19.18	0.616	281.4	143.6807474	165.6062561	No
19.16	0.593	286.2	146.4659307	173.5714057	No
19.15	0.591	291.2	150.6306288	165.422322	No
19.13	0.606	295	154.7650203	181.3483636	Yes
19.13	0.668	296.1	156.1345891	183.816518	Yes
19.13	0.741	305.3	171.2186266	178.2806645	Yes
19.14	0.861	309.3	180.2679334	177.1050265	Yes
19.14	0.889	311.3	185.5124012	169.9361786	No
19.11	0.88	316.7	188.9294126	167.2572325	No
19.1	0.915	319.3	181.1257634	165.7593853	No
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19.01	1.018	321.3	175.7860767	173.9199459	No
19.01	0.932	319.7	180.0143756	180.3742866	Yes
19.01	0.915	325	167.2080708	175.544684	Yes
19.01	0.796	328.9	159.7144084	164.7646229	No
19.01	0.571	325.2	166.7876462	173.1957395	No
19.01	0.419	325.7	165.7545685	173.006942	No
19.01	0.429	315.6	192.5597384	169.8934981	No
19	0.418	312.5	188.9210494	173.9558875	No
19	0.524	317.9	185.1983516	184.3843351	Yes
19.01	0.694	318.3	184.0049395	187.4639065	Yes
19.03	0.823	317.5	186.4164902	183.4800539	Yes
19.05	0.864	313.7	192.5433417	167.4881808	No
19.08	0.978	315	194.6299891	177.5077356	Yes
19.11	1.042	304.8	170.2080831	162.2874123	No
19.12	0.829	324.7	167.8465446	143.4489594	No
19.13	0.777	314.5	195.7142115	181.3210044	Yes
19.16	0.805	314.7	195.6900033	179.4627059	Yes
19.19	0.785	308.6	178.5523232	177.8903341	Yes
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19.23	0.894	312.3	188.3385084	179.359444	Yes
19.23	0.978	312.5	188.9210494	183.7016135	Yes
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19.24	1.114	308.3	177.8350956	172.9711704	No
19.22	1.151	308.9	179.2802945	175.3763295	Yes
19.21	1.143	303.4	167.507983	156.5253782	No
19.19	1.105	304.3	169.2222095	163.0652731	No
19.16	1.111	308.4	178.0729882	175.649939	Yes
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0.568	316.6	189.2509084	18.57	0.762	321.4	175.5328989
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0.534	325.8	165.5509953	18.57	0.702	329.4	158.8542338
0.551	319	181.9742025	18.57	0.727	325	167.2080708
0.583	316.1	190.8837175	18.55	0.735	321.3	175.7860767
0.64	317.1	187.6599662	18.54	0.803	322.1	173.7955882
0.691	311.2	185.2375331	18.54	0.802	317.7	185.8042924
0.718	313.7	192.5433417	18.51	0.79	318.3	184.0049395
0.688	317.2	187.3466876	18.49	0.799	319.4	180.8458047
0.685	317	187.9748679	18.48	0.807	320.1	178.9252109
0.67	320.9	176.811543	18.46	0.817	322.4	173.0693692
0.639	320.9	176.811543	18.46	0.87	323.2	171.184873
0.66	318.5	183.4173207	18.46	0.78	322.1	173.7955882
0.645	318.1	184.5985921	18.47	0.798	322.2	173.55231
0.673	318.6	183.1257514	18.47	0.81	323.2	171.184873
0.704	314.4	195.7142115	18.48	0.833	319.2	181.4071437
0.74	312.1	187.7618297	18.49	0.875	316.6	189.2509084
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0.518	325.6	165.9591491	18.5	0.688	326	165.1468514
0.48	328.3	160.7752562	18.48	0.582	332.7	153.6876994
0.555	319.1	181.6899539	18.46	0.72	324.5	168.2774801
0.602	316.4	189.898934	18.44	0.771	321.2	176.0405229
0.611	317.6	186.1096044	18.44	0.792	322.9	171.8828066
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0.657	312.4	188.6290418	18.43	0.824	317.8	185.5005447
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0.497	307.8	176.6631365	18.51	0.656	313.7	192.5433417
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0.733	306.6	173.9658487	18.51	0.915	311.2	185.2375331
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0.759	295	154.7650203	18.44	0.808	296	156.0067
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19.07	0.974	306	172.6759748	168.7490077	No
19	0.984	309.8	181.5304128	185.783813	Yes
18.93	0.999	313.2	191.0071128	186.4822341	Yes
18.88	1.017	317.2	187.3466876	178.7656973	Yes
18.85	0.976	318.6	183.1257514	184.255292	Yes
18.83	0.979	321.1	176.2962446	170.1245039	No
18.82	0.968	323	171.6490075	166.0872016	No
18.81	0.941	324.9	167.4198452	160.6961962	No
18.79	0.913	322.7	172.3538995	179.6730182	Yes
18.77	0.938	320.9	176.811543	185.1221369	Yes
18.77	1.073	320.9	176.811543	180.0341346	Yes
18.76	1.099	318.3	184.0049395	185.9010872	Yes
18.72	1.101	318	184.8977039	183.7137959	Yes
18.69	1.084	318.5	183.4173207	185.964139	Yes
18.65	1.041	319.4	180.8458047	186.2934753	Yes
18.63	1.028	319.8	179.7400211	182.7818884	Yes
18.62	1.001	321.7	174.7809062	170.5689449	No
18.62	1.082	320.1	178.9252109	184.7298309	Yes
18.63	0.985	320.7	177.3320297	180.9083909	Yes
18.63	1.045	320	179.1954466	179.1526767	Yes
18.65	1.079	318.5	183.4173207	183.8720322	Yes
18.67	1.154	317.2	187.3466876	182.7102254	Yes
18.71	1.151	316.8	188.6095808	182.5699345	Yes
18.72	1.023	317.5	186.4164902	187.1997741	Yes
18.7	0.818	321.8	174.5327325	164.5018901	No
18.66	0.747	325.7	165.7545685	158.1359402	No
18.64	0.867	321.8	174.5327325	179.7571797	Yes
18.63	1.02	320.6	177.5942369	181.5504344	Yes
18.65	1.025	321.5	175.2809825	183.5315338	Yes
18.66	1.015	322	174.0400802	176.6534125	Yes
18.67	1.01	321.7	174.7809062	179.9672184	Yes
18.66	0.982	318.1	184.5985921	184.1084937	Yes
18.67	1.132	318	184.8977039	187.1282274	Yes
18.71	1.232	315.4	193.2425592	186.5092296	Yes
18.71	1.12	316	191.2154206	188.0421147	Yes
18.7	0.963	318.6	183.1257514	189.7336933	Yes
18.7	0.858	320.9	176.811543	180.6795264	Yes
18.72	0.778	318	184.8977039	182.9632321	Yes
18.74	0.857	316.1	190.8837175	179.2344146	Yes
18.76	1.046	314.1	195.7142115	180.1052871	Yes
18.78	1.261	312.4	188.6290418	179.4352306	Yes
18.76	1.251	310.6	183.6169505	175.8826374	Yes
18.73	1.195	306.6	173.9658487	167.845284	No
18.68	1.088	298.5	159.4157407	153.9093836	No
18.58	1.061	295.4	155.2536405	152.815891	No
18.53	0.913	298.9	160.0036074	161.2052564	No
18.53	0.872	302.6	166.0471971	171.5620221	No
18.51	0.686	305.7	172.0452245	191.4074654	Yes
18.5	0.623	305.9	172.4646859	188.9629492	Yes
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291.1	150.5336711	17.83
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283.4	144.7048835	17.82
283.4	144.7048835	17.81
295.9	155.8794948	17.81
295.2	155.008001	17.83
292.4	151.8402112	17.86
310.1	182.3031224	17.88
303.2	167.137323	17.89
310	182.0442679	17.9
302.4	165.6909983	17.91
292.1	151.529758	17.92
277.8	142.3054699	17.91
287.4	147.3423991	17.9
287.6	147.4958051	17.88
321.8	174.5327325	17.87
316.8	188.6095808	17.84
321	176.5532489	17.82
27	150.8255466	17.8
72.05	149.2810929	17.78
346.4	139.9016992	17.77
348.6	138.6276173	17.77
317.5	186.4164902	17.75
284.4	145.2891508	17.74
303.9	168.4508857	17.75
298.3	159.1263255	17.75
302.5	165.8686538	17.73
293.1	152.5859038	17.73
299.5	160.9083592	17.73

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0.319	310.5
0.282	318.9
0.251	319.7
0.221	313.4
0.323	309.1
0.409	301.3
0.442	301.4
0.423	296.1
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0.241	294.6
0.168	307.8
0.112	300.6
0.107	9.53
0.205	47.56
0.168	52.03
0.151	43.28
0.044	297.5
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0.367	293.4
0.437	296.2
0.383	293.3
0.485	291.4
0.632	286.9
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0.68	281.6
0.509	292.3
0.374	292.9
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0.298	306.2
0.371	304.5
0.384	308.7
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0.281	292.7
0.301	281.5
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0.335	289.1
0.355	316.9
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0.089	43.59
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0.251	342.8
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0.171	292.8
0.25	309.5
0.26	310.3
0.174	314.9
0.124	311.3
0.219	314.9

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152.3697801	17.93
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178.5523232	18.02
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178.9252109	17.95
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142.4968525	17.89
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185.5124012	17.87
194.9814553	17.86

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0.458	313.3	191.3112307	18.25	0.524	317.5	186.4164902
0.533	307.2	175.2945059	18.25	0.631	312.8	189.8060036
0.65	301.7	164.4719393	18.25	0.732	305.3	171.2186266
0.679	301	163.294883	18.26	0.787	305.3	171.2186266
0.603	297.3	157.7235069	18.26	0.698	300.6	162.6406568
0.527	296	156.0067	18.25	0.565	299.3	160.6036824
0.393	293.5	153.0256028	18.22	0.464	296.9	157.1826166
0.203	296.1	156.1345891	18.2	0.285	299.4	160.7556316
0.168	294.9	154.6445213	18.19	0.22	296.9	157.1826166
0.147	344.9	140.9038772	18.18	0.197	330.2	157.5218261
0.307	46.04	192.0186258	18.17	0.283	22.69	145.867652
0.311	55.74	172.8032498	18.16	0.342	33.84	161.3905759
0.255	54.79	174.8694972	18.13	0.306	37.17	167.9968879
0.079	332.9	153.4015168	18.1	0.153	14.43	139.3117414
0.287	284.5	145.3502763	18.08	0.22	303.7	168.0709172
0.547	294.5	154.1690811	18.09	0.573	305.1	170.8114111
0.669	298.6	159.5615734	18.16	0.801	307.7	176.4322033
0.575	295.1	154.8861795	18.18	0.651	299.7	161.2161624
0.633	294.5	154.1690811	18.15	0.689	296.3	156.3924283
0.853	290.2	149.6870709	18.14	0.938	290.9	150.341502
0.839	284.4	145.2891508	18.11	0.949	285.4	145.922785
0.86	285.8	146.1902907	18.1	0.98	285.6	146.0555256
0.866	294	153.5893653	18.09	0.875	296.6	156.7843776
0.606	295.2	155.008001	18.11	0.697	299.8	161.3712442
0.452	297.5	157.9982448	18.14	0.533	301.8	164.6434892
0.519	305	170.6093072	18.15	0.581	306.1	172.8883094
0.582	304.1	168.8346381	18.15	0.648	307.1	175.0703199
0.606	307.5	175.9737479	18.17	0.684	310.9	184.4211537
0.569	305.8	172.2544374	18.18	0.665	308.4	178.0729882
0.418	297.3	157.7235069	18.17	0.466	300	161.6837847
0.351	285.7	146.1226545	18.16	0.388	283	144.4847842
0.411	290.8	150.2462872	18.15	0.476	292.1	151.529758
0.445	290.7	150.1516501	18.16	0.521	291.6	151.0243214
0.573	310.7	183.8836779	18.15	0.623	311.4	185.7886529
0.578	315.4	193.2425592	18.13	0.658	318	184.8977039
0.251	321.9	174.2857928	18.1	0.34	326.2	164.7466785
0.098	335.4	150.0639356	18.08	0.192	325.2	166.7876462
0.108	26.32	149.9642081	18.07	0.16	355.2	136.1185285
0.277	343.1	142.25535	18.06	0.355	340.5	144.5088047
0.388	336.3	148.9662571	18.07	0.507	338.7	146.2898835
0.335	327.4	162.4269132	18.08	0.493	334.7	150.9548471
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0.434	307.2	175.2945059	18.1	0.535	318	184.8977039
0.435	306.4	173.5316387	18.1	0.563	316.2	190.5537426
0.382	308.4	178.0729882	18.09	0.488	319.2	181.4071437
0.321	305	170.6093072	18.07	0.374	316.6	189.2509084
0.355	309.6	181.0216499	18.05	0.441	316.6	189.2509084

18.52	0.788	302.5	165.8686538	173.0255717	No
18.52	0.832	304.9	170.4081994	177.4199869	Yes
18.52	0.849	308	177.1284437	186.5002682	Yes
18.53	0.825	312.2	188.0494405	176.6720938	Yes
18.57	0.808	312.3	188.3385084	187.0346005	Yes
18.57	0.924	309	179.5253688	185.1465958	Yes
18.59	1.075	305.8	172.2544374	164.4401783	No
18.62	1.093	304.4	169.4174385	166.8759678	No
18.57	0.997	300.1	161.8412498	162.1359943	No
18.51	0.825	299.2	160.4525084	156.5692092	No
18.46	0.676	295.4	155.2536405	154.695536	No
18.43	0.514	293.2	152.6948941	158.8021439	No
18.41	0.425	291.3	150.728171	155.9261206	No
18.4	0.305	311	184.6919171	154.0670226	No
18.37	0.248	3.494	135.5844314	180.4774475	Yes
18.35	0.341	27.43	151.386395	173.0776843	No
18.33	0.399	33.25	160.3293909	172.2905509	No
18.31	0.266	359.6	135.4803714	149.0154448	No
18.32	0.359	319.2	181.4071437	149.3364835	No
18.36	0.803	308.6	178.5523232	156.1975092	No
18.46	1.067	306.1	172.8883094	160.625807	No
18.5	0.99	300.1	161.8412498	154.9332868	No
18.44	1.025	295	154.7650203	152.98037	No
18.41	1.225	292.2	151.6326395	149.9228904	No
18.38	1.262	290.3	149.7788447	144.9228646	No
18.39	1.34	291.5	150.9250156	145.1813347	No
18.42	1.297	299.9	161.5271173	154.4973403	No
18.45	1.072	301.3	163.7942737	155.9392566	No
18.46	0.82	301.3	163.7942737	158.3304591	No
18.45	0.832	303.8	168.2604307	174.7256084	No
18.44	0.956	306.2	173.1016948	170.1639792	No
18.44	0.968	306.9	174.6252563	180.3082369	Yes
18.42	0.9	307	174.8472386	173.6426868	No
18.4	0.641	300.5	162.4791534	155.7732922	No
18.36	0.538	289	148.6296284	144.1600919	No
18.34	0.69	293	152.4775331	150.3989944	No
18.35	0.76	291.2	150.6306288	149.3466169	No
18.33	0.769	305.3	171.2186266	183.1241165	Yes
18.29	0.829	312.2	188.0494405	186.4187637	Yes
18.27	0.509	311.8	186.9076557	167.0365384	No
18.24	0.304	311.1	184.9640411	151.699591	No
18.22	0.198	322.3	173.3102392	154.9087904	No
18.2	0.382	330.5	157.0357721	141.5797041	No
18.19	0.565	333.1	153.1182603	144.0951526	No
18.21	0.565	329.8	158.1813694	163.5535905	No
18.24	0.564	314.5	195.7142115	162.0645025	No
18.28	0.71	318.1	184.5985921	177.3530641	Yes
18.32	0.761	316.6	189.2509084	176.509107	Yes
18.33	0.721	319.6	180.290119	180.0825602	Yes
18.32	0.579	314.9	194.9814553	174.4896301	No
18.28	0.591	315.4	193.2425592	181.5405932	Yes

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7/30/2019	4:00	17.51	0.16
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338.9	146.0826775	17.63
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301.3	163.7942737	17.66
301.2	163.6269725	17.66
277	142.0792607	17.66
250.5	150.728171	17.65
263.7	142.397648	17.65
267	141.6027124	17.69
283.6	144.8178344	17.7
252.3	149.0604651	17.67
235	174.4043676	17.64
154	151.8792052	17.62
132.1	187.7618297	17.58
178.6	135.5547035	17.53
9.32	136.9213367	17.5
7	136.2167669	17.47
344.5	141.1899582	17.46
316.3	190.2254851	17.45
351.8	137.171973	17.45
330.1	157.6854758	17.44
333.7	152.2858181	17.44
351.7	137.21054	17.44
332.1	154.5640391	17.43
320.9	176.811543	17.44
316	191.2154206	17.43
319.1	181.6899539	17.43
336.8	148.379085	17.45
348	138.952495	17.47
315.9	191.5488631	17.48
324.3	168.7126952	17.51
318.1	184.5985921	17.54
321	176.5532489	17.55
317.6	186.1096044	17.56
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308	177.1284437	17.54
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311.9	187.1909456	17.52
314.8	195.3347893	17.52
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318	184.8977039	17.52
315.1	194.2803784	17.51
316.6	189.2509084	17.51

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0.292	330.3
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0.309	324.8
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0.157	340.3
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0.179	296
0.197	254.5
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0.198	343.4
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0.331	332.4
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0.495	326.9
0.468	327.7
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0.487	328.4
0.53	328.8
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0.457	320.7
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0.413	320.2
0.403	320.4
0.395	321.4

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187.035022	17.8
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157.1826166	17.78
142.8813029	17.79
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156.0067	17.83
147.2664881	17.8
157.0357721	17.76
158.5161218	17.72
178.7937782	17.69
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178.6563324	17.67
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0.466	310.9	184.4211537	17.97	0.573	317.3	187.035022
0.465	314.2	195.7142115	17.94	0.518	320.6	177.5942369
0.427	324	169.3736382	17.92	0.522	330.1	157.6854758
0.523	331.1	156.0853794	17.93	0.616	335.9	149.4475739
0.483	339	145.9799608	17.94	0.565	342.1	143.0788632
0.446	337.6	147.4724086	17.96	0.562	342.4	142.8262379
0.478	330.8	156.5569873	17.98	0.594	338	147.0339187
0.497	323	171.6490075	18	0.575	332.9	153.4015168
0.458	317.7	185.8042924	18.01	0.586	327.7	161.8681603
0.365	315.8	191.884056	18.02	0.485	329	159.540656
0.255	330.4	157.1969778	18.01	0.386	338.4	146.6051528
0.192	340.1	144.8885107	18.01	0.332	345.1	140.7638403
0.148	308.7	178.7937782	18.02	0.256	332.9	153.4015168
0.23	291.4	150.8262993	18.02	0.261	319	181.9742025
0.323	290.3	149.7788447	18.02	0.356	310.7	183.8836779
0.311	296.4	156.5223835	18.02	0.362	311	184.6919171
0.275	262.3	142.8813029	17.99	0.264	261	143.4102756
0.228	233.2	178.5523232	17.94	0.259	229.8	187.4756675
0.099	183.7	135.6073966	17.91	0.128	212.9	159.7144084
0.187	146.5	164.1537804	17.87	0.14	172.7	136.8445673
0.158	165.7	140.355632	17.84	0.115	197.6	141.4098131
0.086	359.1	135.5123672	17.81	0.129	330.9	156.3989918
0.174	342.2	142.9941199	17.83	0.278	344.5	141.1899582
0.311	338.1	146.9258206	17.87	0.456	341.5	143.5986496
0.428	327.3	162.6150149	17.89	0.565	335.4	150.0639356
0.514	325.5	166.1647422	17.88	0.679	334.6	151.0848301
0.518	333.4	152.6988115	17.84	0.677	339	145.9799608
0.529	337.8	147.2519401	17.8	0.611	340.6	144.4152874
0.509	337.3	147.8077356	17.79	0.633	341.6	143.5106627
0.522	326.4	164.3504379	17.79	0.648	335.4	150.0639356
0.556	321	176.5532489	17.78	0.69	329.4	158.8542338
0.548	320.2	178.6563324	17.76	0.667	329.1	159.3677662
0.616	319.7	180.0143756	17.74	0.758	328.9	159.7144084
0.624	321.1	176.2962446	17.76	0.798	328.7	160.0645165
0.67	321.3	175.7860767	17.78	0.781	328.4	160.5962459
0.741	320.9	176.811543	17.8	0.821	328.4	160.5962459
0.632	324.4	168.49455	17.82	0.794	330.4	157.1969778
0.623	326.3	164.548069	17.84	0.825	332.1	154.5640391
0.648	320.5	177.8577632	17.85	0.727	327.4	162.4269132
0.604	317.2	187.3466876	17.86	0.688	324.8	167.6326681
0.69	311.4	185.7886529	17.85	0.719	319.2	181.4071437
0.662	305.8	172.2544374	17.84	0.755	314	195.7142115
0.565	307.1	175.0703199	17.84	0.663	315.1	194.2803784
0.555	310	182.0442679	17.84	0.615	318.1	184.5985921
0.614	309.7	181.2753983	17.87	0.677	317.3	187.035022
0.641	312.2	188.0494405	17.89	0.76	321.1	176.2962446
0.607	314.3	195.7142115	17.92	0.727	323	171.6490075
0.643	316.6	189.2509084	17.94	0.798	324.6	168.0614801
0.672	315.3	193.5866754	17.95	0.802	323.5	170.4972397
0.639	315.4	193.2425592	17.95	0.762	324.2	168.9319213

18.24	0.743	320.3	178.3888034	186.5372247	Yes
18.19	0.847	320.5	177.8577632	181.5794608	Yes
18.17	0.808	320.9	176.811543	178.6075001	Yes
18.15	0.75	328	161.3176459	165.1785883	No
18.18	0.846	335.2	150.3151193	152.3524616	No
18.19	0.794	342.3	142.9099119	142.9823223	No
18.19	0.772	343.5	141.9406579	145.3174587	No
18.2	0.757	340.1	144.8885107	149.2306594	No
18.22	0.817	333.6	152.4227699	171.5674669	No
18.23	0.794	329	159.540656	179.514757	Yes
18.26	0.695	327.5	162.2397397	174.1565324	No
18.26	0.568	337	148.1486618	153.0316575	No
18.25	0.507	342.7	142.5784051	141.4879813	No
18.26	0.444	334.5	151.2154981	160.0265207	No
18.26	0.427	324.3	168.7126952	154.5198632	No
18.27	0.554	318.6	183.1257514	154.8714255	No
18.27	0.58	319.4	180.8458047	160.5097088	No
18.23	0.336	287.7	147.5733027	145.6546329	No
18.16	0.277	262.9	142.6631883	174.3670326	No
18.12	0.13	271	141.2750152	151.429283	No
18.08	0.058	235.7	172.8883094	166.8884889	No
18.04	0.062	287.4	147.3423991	141.4830471	No
18.02	0.221	343.7	141.786421	141.1600344	No
18.03	0.382	345.8	140.2893212	139.6071186	No
18.04	0.537	342.7	142.5784051	143.433245	No
18.04	0.718	339.8	145.1792559	164.5548764	No
18.06	0.947	338.7	146.2898835	152.136014	No
18.04	0.913	341.9	143.249962	150.3372757	No
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18.02	0.851	343.2	142.1758963	143.0540302	No
18.01	0.885	338.3	146.7114396	156.4634467	No
18.01	0.907	332.3	154.2689366	168.8989547	No
17.99	0.953	332.1	154.5640391	173.646986	No
17.98	1.01	332	154.712722	171.1988828	No
17.99	1.047	330.8	156.5569873	162.0291598	No
18.01	1.019	328	161.3176459	159.3007445	No
18.01	1.013	329.1	159.3677662	172.3436934	No
18.03	0.974	330.1	157.6854758	163.7501172	No
18.04	0.972	332.2	154.4161117	165.8999319	No
18.04	0.94	328.2	160.955157	171.3876551	No
18.04	0.954	326	165.1468514	179.6052474	Yes
18.04	0.99	321.8	174.5327325	185.6704176	Yes
18.05	1.015	319.3	181.1257634	182.2451926	Yes
18.06	0.935	318.8	182.5470487	178.5425608	Yes
18.08	0.93	320.4	178.1226162	187.6698665	Yes
18.14	0.997	320.4	178.1226162	186.4013402	Yes
18.2	1.059	321.4	175.5328989	186.6013585	Yes
18.25	1.052	322	174.0400802	185.7626853	Yes
18.29	1.056	322.6	172.5912057	180.2166062	Yes
18.32	1.11	322.3	173.3102392	184.1217275	Yes
18.35	1.08	322.7	172.3538995	181.7395719	Yes

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277.8	142.3054699	17.42
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0.269	292.8
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0.384	307.7	176.4322033	17.98	0.496	314	195.7142115
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0.449	288.3	148.0494963	17.89	0.567	296	156.0067
0.599	289	148.6296284	17.9	0.691	294.9	154.6445213
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0.351	271.2	141.2767366	17.88	0.521	270.1	141.2885722
0.361	282.7	144.324759	17.87	0.436	279.6	142.919245
0.407	285.5	145.9889028	17.88	0.484	281	143.4985715
0.457	293.5	153.0256028	17.88	0.529	289.2	148.8003043
0.445	295.8	155.7529709	17.86	0.545	293	152.4775331
0.479	293.5	153.0256028	17.8	0.54	291.9	151.3257947
0.472	287.2	147.1911034	17.74	0.514	284.6	145.4118964
0.464	283.9	144.9909076	17.69	0.535	280.2	143.1564895
0.377	285.2	145.7920604	17.63	0.422	279.2	142.7702052
0.285	283.1	144.539086	17.57	0.341	274.3	141.5239064
0.328	281.9	143.9189973	17.53	0.369	275.3	141.6924026
0.388	284.8	145.5366244	17.51	0.43	278	142.366475
0.384	286	146.3270894	17.48	0.432	279.1	142.7340803
0.426	283.7	144.8750382	17.46	0.454	278.5	142.5268211
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0.436	282.1	144.0175927	17.41	0.466	277	142.0792607
0.45	282.5	144.220467	17.4	0.491	278	142.366475
0.419	279	142.6984082	17.4	0.532	274.3	141.5239064
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0.397	278.7	142.5941034	17.39	0.495	273.6	141.431807
0.397	275.9	141.8144468	17.38	0.49	272.1	141.3057907
0.334	275.5	141.7313339	17.34	0.439	272.2	141.3111722
0.382	269.4	141.3232279	17.33	0.538	268.1	141.4436643
0.356	270.2	141.2853442	17.32	0.528	267.7	141.4954247
0.377	266.7	141.6552183	17.32	0.491	264.4	142.1888102
0.356	272.7	141.344545	17.33	0.418	267.5	141.5239064
0.411	276	141.8363207	17.31	0.501	271	141.2750152
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18.42	0.983	321.5	175.2809825	183.4628671	Yes
18.45	0.984	320.6	177.5942369	179.3804297	Yes
18.48	0.957	319.9	179.4670474	172.4836355	No
18.5	0.894	319.7	180.0143756	179.9830187	Yes
18.48	0.836	316.7	188.9294126	176.7097328	Yes
18.44	0.834	314.4	195.7142115	182.463814	Yes
18.39	0.839	310.3	182.824721	181.6203065	Yes
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18.36	0.869	306	172.6759748	156.7908873	No
18.36	0.898	303.3	167.3221929	148.8556022	No
18.43	1.066	303.8	168.2604307	148.2384023	No
18.54	1.157	304.7	170.0089535	151.5417928	No
18.63	1.106	302	164.9891752	150.6751406	No
18.67	1.038	295	154.7650203	144.6313577	No
18.61	0.697	275.9	141.8144468	143.266087	No
18.46	0.616	271.3	141.2782429	143.3356716	No
18.41	0.644	276	141.8363207	141.2804486	No
18.38	0.531	275.9	141.8144468	143.9643914	No
18.34	0.508	275.6	141.7514553	145.2045692	No
18.31	0.605	285.7	146.1226545	154.0075575	No
18.26	0.764	287.4	147.3423991	156.4312394	No
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17.91	0.478	272.2	141.3111722	144.2033819	No
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17.86	0.592	283.4	144.7048835	146.0351552	No
17.85	0.631	286.1	146.3962542	144.8668305	No
17.84	0.703	286.2	146.4659307	147.8688489	No
17.83	0.674	281	143.4985715	144.3160077	No
17.86	0.758	280.2	143.1564895	145.02486	No
17.89	0.704	275.6	141.7514553	142.8972463	No
17.9	0.717	279.7	142.9576428	144.9462379	No
17.9	0.627	272.7	141.344545	142.02076	No
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17.74	0.553	273.6	141.431807	142.0695641	No
17.76	0.644	267.3	141.5541247	141.6137887	No
17.76	0.612	266.9	141.6197787	141.3541205	No
17.72	0.604	264.1	142.2756368	142.2975558	No
17.68	0.52	268.3	141.4203824	141.949576	No
17.66	0.574	269.5	141.3169846	142.1060402	No
17.66	0.595	269.1	141.344545	142.4258316	No
17.7	0.653	268.4	141.4093904	141.6580979	No
17.68	0.568	275.4	141.7116497	143.9554122	No
17.64	0.644	278.2	142.4292686	143.5638401	No
17.72	0.678	279	142.6984082	143.3371407	No
17.79	0.786	279.6	142.919245	142.6442179	No

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7/30/2019	5:13	16.93	0.126
7/30/2019	5:14	16.91	0.122
7/30/2019	5:15	16.91	0.111
7/30/2019	5:16	16.91	0.102
7/30/2019	5:17	16.91	0.128
7/30/2019	5:18	16.9	0.126
7/30/2019	5:19	16.88	0.17
7/30/2019	5:20	16.86	0.191
7/30/2019	5:21	16.83	0.186
7/30/2019	5:22	16.81	0.171
7/30/2019	5:23	16.79	0.175
7/30/2019	5:24	16.78	0.159
7/30/2019	5:25	16.77	0.148
7/30/2019	5:26	16.75	0.159
7/30/2019	5:27	16.73	0.141
7/30/2019	5:28	16.73	0.141
7/30/2019	5:29	16.72	0.169
7/30/2019	5:30	16.7	0.177
7/30/2019	5:31	16.69	0.141
7/30/2019	5:32	16.67	0.036
7/30/2019	5:33	16.65	0.105
7/30/2019	5:34	16.62	0.079
7/30/2019	5:35	16.61	0.06
7/30/2019	5:36	16.6	0.075
7/30/2019	5:37	16.59	0.132
7/30/2019	5:38	16.6	0.112
7/30/2019	5:39	16.61	0.068
7/30/2019	5:40	16.63	0.09
7/30/2019	5:41	16.63	0.079
7/30/2019	5:42	16.65	0.098
7/30/2019	5:43	16.66	0.091
7/30/2019	5:44	16.67	0.107
7/30/2019	5:45	16.68	0.1
7/30/2019	5:46	16.69	0.074
7/30/2019	5:47	16.7	0.143

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276	141.8363207	16.91
271	141.2750152	16.9
263.4	142.4938547	16.91
273.3	141.3988308	16.93
278.7	142.5941034	16.94
271.7	141.2885722	16.93
275.1	141.6552183	16.92
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266.8	141.6372805	17.01
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289.8	149.3256382	16.95
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299.6	161.0618684	16.72
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0.333	274.9
0.359	275.3
0.353	270
0.362	273.6
0.368	270
0.325	263.9
0.261	256.4
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0.382	270.3
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0.298	295.9
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0.281	301
0.273	303.2
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0.253	303.5
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0.218	314
0.233	314.2
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0.284	322.4
0.272	321.4
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0.472	275.2	141.6735922	17.31	0.604	270.6	141.2767366
0.422	273	141.3697448	17.29	0.592	270.6	141.2767366
0.411	274.1	141.4954247	17.27	0.551	270.7	141.2756607
0.376	272.1	141.3057907	17.25	0.548	269.9	141.2963201
0.393	268.7	141.3790081	17.26	0.536	266.4	141.7116497
0.393	272.3	141.3169846	17.28	0.505	267.7	141.4954247
0.397	272.8	141.3525134	17.27	0.513	268	141.4559546
0.404	270.3	141.2825466	17.28	0.557	266.9	141.6197787
0.419	271.7	141.2885722	17.29	0.585	267.8	141.4818346
0.41	269.3	141.3299024	17.29	0.56	265.7	141.8586336
0.44	264.6	142.1331484	17.31	0.542	261.6	143.1564895
0.426	258.9	144.4309631	17.34	0.474	255.2	146.7497779
0.402	262.9	142.6631883	17.35	0.457	258.8	144.4847842
0.323	268.2	141.431807	17.34	0.452	263.1	142.5941034
0.455	271.1	141.2756607	17.37	0.589	266.5	141.6924026
0.462	272.5	141.3299024	17.37	0.617	267.3	141.5541247
0.49	274.8	141.6027124	17.41	0.622	268.5	141.3988308
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0.439	283.8	144.932729	17.38	0.567	282	143.9680589
0.523	287.4	147.3423991	17.35	0.614	284.8	145.5366244
0.448	288.2	147.9687897	17.3	0.557	285.6	146.0555256
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0.421	289.5	149.0604651	17.18	0.527	288	147.8089898
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0.395	289.6	149.1482972	17.11	0.475	290.1	149.595865
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0.397	292.1	151.529758	17.06	0.464	291.6	151.0243214
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0.335	294.3	153.9352634	16.97	0.433	292	151.4274771
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0.346	304.4	169.4174385	16.91	0.395	303.1	166.9533691
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0.321	310.5	183.3515534	16.9	0.432	310.3	182.824721
0.322	315.3	193.5866754	16.91	0.479	316.1	190.8837175
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0.452	315.4	193.2425592	17.06	0.608	323.7	170.0444603
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0.448	337.8	147.2519401	17.11	0.617	339.1	145.8778326
0.414	337.3	147.8077356	17.14	0.648	341.4	143.6871825
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0.485	349.6	138.1230627	17.22	0.729	350.5	137.7078372
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17.9	0.667	272	141.30084	141.6859382	No
17.88	0.744	275.8	141.7930115	141.6414401	No
17.83	0.743	276	141.8363207	141.4103086	No
17.77	0.677	274.9	141.6197787	141.7591687	No
17.73	0.691	274.3	141.5239064	141.3502581	No
17.69	0.598	271.1	141.2756607	141.7342565	No
17.65	0.563	271.3	141.2782429	141.4577547	No
17.61	0.561	271.6	141.2853442	141.7737435	No
17.61	0.613	270.5	141.2782429	141.3707821	No
17.61	0.654	271.2	141.2767366	141.464358	No
17.6	0.645	269.2	141.3370081	141.4408284	No
17.61	0.684	267.7	141.4954247	142.3156669	No
17.64	0.667	264.6	142.1331484	145.8404903	No
17.64	0.602	264.6	142.1331484	143.5702619	No
17.62	0.599	266.7	141.6552183	141.7347129	No
17.66	0.677	272.3	141.3169846	141.3808145	No
17.71	0.719	270.7	141.2756607	141.3612041	No
17.75	0.738	270.8	141.2750152	141.467561	No
17.78	0.702	275.2	141.6735922	142.2520843	No
17.78	0.755	284.5	145.3502763	145.6782257	No
17.77	0.82	287.2	147.1911034	148.0695687	No
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17.58	0.812	294	153.5893653	158.8485296	No
17.52	0.762	295.2	155.008001	155.1166112	No
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17.43	0.66	298.6	159.5615734	153.7982418	No
17.39	0.685	297.7	158.2758734	153.4050545	No
17.36	0.667	296.9	157.1826166	157.8276614	No
17.32	0.573	299.4	160.7556316	161.6389457	No
17.3	0.616	298.2	158.9827372	155.7134178	No
17.26	0.643	294.6	154.2869623	155.9416824	No
17.23	0.622	296.8	157.0491672	160.2982891	No
17.18	0.507	305.8	172.2544374	175.4710579	Yes
17.13	0.547	305.2	171.014516	181.7666186	Yes
17.16	0.604	308.7	178.7937782	175.1883394	Yes
17.15	0.59	312.4	188.6290418	180.400786	Yes
17.17	0.616	320.6	177.5942369	183.5232527	Yes
17.21	0.712	326.4	164.3504379	178.2522909	Yes
17.32	0.824	323.6	170.2702897	181.2323807	Yes
17.4	0.799	330.2	157.5218261	152.9483713	No
17.45	0.811	340.5	144.5088047	144.1775226	No
17.49	0.862	344.1	141.484113	143.4771088	No
17.55	0.934	349	138.4202926	138.330612	No
17.6	0.95	351.5	137.2889944	137.9754777	No
17.62	0.939	346.9	139.5919783	142.5309888	No
17.63	0.879	347.5	139.23608	143.5778484	No
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17.62	0.993	347.6	139.1784222	140.4525894	No

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7/30/2019	5:52	16.8	0.115
7/30/2019	5:53	16.84	0.118
7/30/2019	5:54	16.87	0.106
7/30/2019	5:55	16.88	0.124
7/30/2019	5:56	16.88	0.152
7/30/2019	5:57	16.87	0.116
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7/30/2019	5:59	16.85	0.113
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7/30/2019	6:04	16.8	0.134
7/30/2019	6:05	16.79	0.176
7/30/2019	6:06	16.81	0.121
7/30/2019	6:07	16.83	0.148
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7/30/2019	6:15	16.93	0.083
7/30/2019	6:16	16.96	0.143
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7/30/2019	6:20	17.25	0.235
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7/30/2019	6:24	17.5	0.177
7/30/2019	6:25	17.52	0.114
7/30/2019	6:26	17.55	0.1
7/30/2019	6:27	17.56	0.164
7/30/2019	6:28	17.59	0.166
7/30/2019	6:29	17.63	0.158
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7/30/2019	6:38	18.09	0.179

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0.387	329.3
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0.419	324.8
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0.794	352
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0.642	342.7

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149.4475739	18.22
146.6051528	18.31
136.9857152	18.39
137.0961561	18.5
139.1212357	18.56
139.5919783	18.6
142.5784051	18.61

0.545	341.7	143.4232201	17.27	0.685	345.2	140.6945686
0.56	347.5	139.23608	17.25	0.782	349	138.4202926
0.574	352.1	137.0589052	17.25	0.715	353.7	136.5220169
0.596	349.1	138.3696112	17.27	0.684	351.9	137.1338452
0.669	342.1	143.0788632	17.32	0.82	349.9	137.9805921
0.695	341.1	143.9560723	17.38	0.918	344.2	141.4098131
0.642	343	142.3353263	17.43	0.762	347.7	139.1212357
0.612	324.5	168.2774801	17.46	0.693	333	153.2595242
0.684	317	187.9748679	17.49	0.753	328	161.3176459
0.56	318.2	184.3010071	17.49	0.66	326.6	163.9580918
0.402	318.6	183.1257514	17.47	0.569	325.5	166.1647422
0.557	316	191.2154206	17.44	0.673	323.3	170.9545255
0.672	315.9	191.5488631	17.42	0.769	323.6	170.2702897
0.613	313.2	191.0071128	17.39	0.705	317.9	185.1983516
0.601	310.8	184.1517432	17.33	0.676	316	191.2154206
0.682	308.7	178.7937782	17.32	0.81	316.1	190.8837175
0.655	310.4	183.0874794	17.31	0.745	316.4	189.898934
0.689	313.4	191.6169031	17.29	0.871	318.2	184.3010071
0.632	331	156.2417902	17.3	0.824	330.9	156.3989918
0.602	348.5	138.6806025	17.3	0.756	345.7	140.355632
0.559	347	139.5314724	17.3	0.753	350.6	137.6639493
0.544	341.6	143.5106627	17.29	0.731	346.6	139.7763685
0.73	336.7	148.4952449	17.29	0.782	342	143.1641434
0.648	333.4	152.6988115	17.31	0.839	341	144.0468045
0.527	339.6	145.3759529	17.33	0.601	342	143.1641434
0.425	342.7	142.5784051	17.33	0.592	344.6	141.1176841
0.408	344.8	140.9746448	17.35	0.532	348.3	138.7879636
0.424	341.2	143.8658923	17.38	0.515	350	137.9340071
0.613	342.9	142.4158267	17.46	0.676	345.5	140.4897269
0.631	325	167.2080708	17.54	0.667	331.6	155.3150699
0.669	327.9	161.5002424	17.59	0.783	341.1	143.9560723
0.973	340.1	144.8885107	17.72	1.178	345.8	140.2893212
1.053	347.7	139.1212357	17.9	1.321	344.5	141.1899582
0.926	339.2	145.7762909	18	1.107	344.2	141.4098131
0.828	335.9	149.4475739	18.06	0.931	343.6	141.8632814
0.832	333	153.2595242	18.09	0.925	339	145.9799608
0.706	333.3	152.8379067	18.11	0.806	339.5	145.4751667
0.787	330.5	157.0357721	18.14	0.798	338	147.0339187
0.583	322.1	173.7955882	18.16	0.79	332.2	154.4161117
0.738	318.8	182.5470487	18.16	0.825	326.7	163.7633675
0.809	326.3	164.548069	18.18	0.881	333.8	152.1495751
0.832	332.2	154.4161117	18.21	0.963	338.1	146.9258206
0.681	328.9	159.7144084	18.21	0.688	334.8	150.8255466
0.688	322.8	172.1177686	18.21	0.867	327.1	162.994021
0.998	332.8	153.5442409	18.26	1.111	334.3	151.4788997
0.869	332.9	153.4015168	18.35	1.112	339.6	145.3759529
0.988	349.3	138.2696225	18.42	1.325	352.8	136.810367
0.974	347.8	139.0645196	18.54	1.139	350	137.9340071
0.876	347.9	139.008273	18.59	1.053	348.7	138.5750946
0.754	340.5	144.5088047	18.59	0.823	343.1	142.25535
0.917	337	148.1486618	18.59	0.936	342.6	142.6604859

17.58	0.86	348.6	138.6276173	140.7355115	No
17.53	0.946	350.4	137.7521729	137.8768181	No
17.52	0.947	356.7	135.8102214	136.5395139	No
17.54	0.982	354.7	136.2423866	137.4433681	No
17.61	1.05	353.7	136.5220169	139.9845302	No
17.67	0.956	347.7	139.1212357	141.1448301	No
17.69	0.931	351	137.4928614	139.5262816	No
17.73	0.976	339.5	145.4751667	168.6235436	No
17.76	0.995	332.2	154.4161117	169.730754	No
17.75	0.876	331.4	155.6208578	168.9631711	No
17.72	0.752	331.2	155.9297559	175.0964864	Yes
17.68	0.893	327.6	162.0534901	181.2843508	Yes
17.67	1.021	325.8	165.5509953	176.996938	Yes
17.65	0.93	321.6	175.0303206	181.5047949	Yes
17.59	0.999	321.3	175.7860767	186.9733146	Yes
17.61	1.03	320.4	178.1226162	188.2960464	Yes
17.61	1.055	319.2	181.4071437	181.2989288	Yes
17.59	1.101	320.7	177.3320297	182.1274817	Yes
17.56	0.939	331.9	154.8621634	149.2784669	No
17.53	0.862	344.2	141.4098131	138.029793	No
17.5	0.828	351.5	137.2889944	137.9968468	No
17.49	0.885	349.2	138.3193881	141.0500441	No
17.49	1.05	345.1	140.7638403	145.4557317	No
17.53	1.005	344	141.5589225	146.3126513	No
17.54	0.76	344.2	141.4098131	144.8637422	No
17.54	0.716	349.1	138.3696112	139.7172646	No
17.57	0.685	350.1	137.8878733	138.3548473	No
17.62	0.776	350.1	137.8878733	145.065256	No
17.71	0.844	344.9	140.9038772	142.8364193	No
17.8	0.844	337.7	147.3618674	158.1709083	No
17.86	0.91	343.1	142.25535	153.0459398	No
17.99	1.302	346.4	139.9016992	141.80979	No
18.15	1.392	347.3	139.3528135	138.8232102	No
18.22	1.198	347.4	139.2942101	143.0104573	No
18.27	1.172	346.3	139.9650888	147.6544793	No
18.31	1.097	340.7	144.3223303	147.6593433	No
18.33	0.918	343.7	141.786421	147.8832441	No
18.37	1.019	341.5	143.5986496	149.2435	No
18.4	0.799	336.5	148.729472	162.6196189	No
18.38	0.88	328.1	161.1359522	172.6992789	No
18.41	1.057	335.5	149.9393426	154.7997849	No
18.43	1.038	339.6	145.3759529	148.9069478	No
18.42	0.815	336.2	149.0856146	151.5638971	No
18.42	0.891	331.1	156.0853794	162.0647148	No
18.47	1.233	339.2	145.7762909	150.0365121	No
18.55	1.154	339.4	145.5749597	149.7317158	No
18.63	1.368	353.8	136.4921301	138.1388579	No
18.76	1.19	351.2	137.4099861	138.8393549	No
18.8	1.106	351.6	137.249547	138.2240437	No
18.78	0.89	344.6	141.1176841	141.6449082	No
18.77	1.142	346.1	140.0933217	143.8320527	No

7/30/2019	6:39	18.11	0.179
7/30/2019	6:40	18.14	0.152
7/30/2019	6:41	18.16	0.143
7/30/2019	6:42	18.19	0.146
7/30/2019	6:43	18.24	0.221
7/30/2019	6:44	18.3	0.227
7/30/2019	6:45	18.38	0.271
7/30/2019	6:46	18.47	0.32
7/30/2019	6:47	18.54	0.232
7/30/2019	6:48	18.58	0.307
7/30/2019	6:49	18.64	0.217
7/30/2019	6:50	18.69	0.27
7/30/2019	6:51	18.75	0.412
7/30/2019	6:52	18.81	0.299
7/30/2019	6:53	18.86	0.207
7/30/2019	6:54	18.91	0.355
7/30/2019	6:55	18.96	0.21
7/30/2019	6:56	19	0.16
7/30/2019	6:57	19.03	0.176
7/30/2019	6:58	19.07	0.231
7/30/2019	6:59	19.12	0.401
7/30/2019	7:00	19.18	0.42
7/30/2019	7:01	19.21	0.362
7/30/2019	7:02	19.24	0.275
7/30/2019	7:03	19.26	0.378
7/30/2019	7:04	19.28	0.489
7/30/2019	7:05	19.32	0.435
7/30/2019	7:06	19.35	0.293
7/30/2019	7:07	19.37	0.269
7/30/2019	7:08	19.43	0.3
7/30/2019	7:09	19.49	0.192
7/30/2019	7:10	19.55	0.221
7/30/2019	7:11	19.62	0.237
7/30/2019	7:12	19.68	0.128
7/30/2019	7:13	19.8	0.201
7/30/2019	7:14	19.94	0.241
7/30/2019	7:15	20.02	0.225
7/30/2019	7:16	20.09	0.263
7/30/2019	7:17	20.17	0.244
7/30/2019	7:18	20.18	0.222
7/30/2019	7:19	20.21	0.161
7/30/2019	7:20	20.27	0.232
7/30/2019	7:21	20.28	0.366
7/30/2019	7:22	20.33	0.237
7/30/2019	7:23	20.4	0.259
7/30/2019	7:24	20.46	0.238
7/30/2019	7:25	20.49	0.261
7/30/2019	7:26	20.51	0.303
7/30/2019	7:27	20.55	0.331
7/30/2019	7:28	20.58	0.373
7/30/2019	7:29	20.58	0.386

346.3	139.9650888	18.76
331.2	155.9297559	18.83
331.1	156.0853794	18.88
339.8	145.1792559	18.94
348	138.952495	19
347.1	139.4714437	19.06
8.88	136.7698991	19.14
10.06	137.1950604	19.22
342.8	142.4968525	19.3
343.6	141.8632814	19.37
357.8	135.6439919	19.42
2.166	135.4785708	19.49
353.8	136.4921301	19.55
357.9	135.6313781	19.6
354.5	136.2949008	19.66
356.1	135.9221983	19.74
0.471	135.4492968	19.8
340.2	144.7927354	19.88
345.1	140.7638403	19.97
4.198	135.6701935	20.01
15.43	139.9206653	20.04
14.36	139.2709013	20.06
17.56	141.3802356	20.07
1.973	135.4692548	20.06
9.99	137.1681404	20.06
12.32	138.1811948	20.03
4.269	135.6799863	20.06
355.2	136.1185285	20.08
350.2	137.8421902	20.12
21.81	144.9945205	20.2
353.7	136.5220169	20.3
354.2	136.3768654	20.43
351.9	137.1338452	20.53
349.8	138.0276292	20.65
22.66	145.8371456	20.85
10.83	137.5054458	21.01
2.556	135.5020928	21.07
17.73	141.5065023	21.12
3.464	135.5812338	21.15
349.5	138.1714606	21.11
328.4	160.5962459	21.14
358.5	135.564413	21.22
4.405	135.6993301	21.19
7.29	136.2922347	21.22
7.743	136.4172866	21.3
0.927	135.445515	21.34
6.844	136.1776476	21.33
7.487	136.3455417	21.32
12.2	138.1230627	21.32
358.4	135.5745369	21.3
2.791	135.5193022	21.27

0.754	340.4
0.566	335.6
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0.596	342.2
0.884	346.4
0.877	348.4
0.913	9.58
0.747	14.92
0.779	353.2
0.829	348.2
0.818	352.5
0.759	3.11
1.124	355.2
0.815	357.2
0.882	351.8
0.861	358.7
0.67	359.6
0.586	347.8
0.758	347.7
0.823	357.4
0.832	13.31
0.885	11.59
0.952	17.09
0.917	3.267
1.09	6.386
0.954	11.98
0.98	5.464
1.042	1.085
1.099	352.7
0.745	18.73
0.61	351.4
0.72	353.7
0.678	358.8
0.568	342.6
0.419	20.61
0.562	12.16
0.535	4.922
0.603	15.48
0.713	14.85
0.878	353
0.611	339
0.708	358.9
0.857	4.184
0.572	357.5
0.672	5.756
0.75	5.013
0.654	10.18
0.812	9.25
0.691	10.84
0.91	8.87
0.74	12.13

144.6028841	18.64
149.8154124	18.69
146.1859844	18.71
142.9941199	18.75
139.9016992	18.8
138.734051	18.85
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136.6778973	19.09
138.8423412	19.13
136.9142707	19.17
135.5463192	19.23
136.1185285	19.28
135.7284098	19.33
137.171973	19.36
135.5454083	19.43
135.4803714	19.48
139.0645196	19.52
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141.0387639	19.65
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135.446206	19.68
136.8445673	19.72
142.2792879	19.79
137.328883	19.87
136.5220169	19.96
135.5365272	20.03
142.6604859	20.12
143.8748855	20.28
138.1038308	20.4
135.7798998	20.45
139.9523722	20.47
139.5616657	20.5
136.743267	20.47
145.9799608	20.49
135.52806	20.53
135.6682873	20.51
135.6843278	20.54
135.9334197	20.58
135.7952359	20.62
137.2417104	20.64
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137.5096495	20.65
136.766555	20.65
138.0894546	20.64

0.887	334.6	151.0848301	18.61	1.111	341.5	143.5986496
0.727	329.5	158.684756	18.63	0.889	334.8	150.8255466
0.866	332.6	153.8318952	18.65	0.979	338.6	146.3943767
0.744	335.1	150.441715	18.66	0.831	341	144.0468045
1	342.7	142.5784051	18.72	1.214	346	140.1581671
0.979	344.4	141.262737	18.78	1.161	348.8	138.5230334
1.012	8.63	136.6875926	18.88	1.247	7.516	136.3535285
0.987	10.86	137.5180703	18.97	1.062	6.662	136.1333118
1.004	356.3	135.8831963	19.03	1.064	357.6	135.6704665
1.06	343.1	142.25535	19.07	1.219	344.8	140.9746448
0.965	355.2	136.1185285	19.11	1.205	354	136.4336422
0.999	3.194	135.5541341	19.16	1.11	3.384	135.5728892
1.401	357.4	135.6986053	19.22	1.684	355.8	135.9838512
1.06	357.7	135.6570213	19.28	1.264	357.4	135.6986053
1.038	349.8	138.0276292	19.3	1.278	351.4	137.328883
1.039	358.3	135.5850754	19.35	1.284	358.1	135.6073966
0.841	356.7	135.8102214	19.39	1.013	357.2	135.7284098
0.767	344	141.5589225	19.42	0.85	350.6	137.6639493
0.857	350.3	137.796957	19.45	1.037	347.6	139.1784222
0.957	354.6	136.2684311	19.46	1.119	355.3	136.0950271
1.138	12.64	138.3394224	19.49	1.236	7.657	136.3928727
1.189	14.26	139.2129602	19.51	1.191	8.15	136.5371212
1.121	16.15	140.3889714	19.52	1.351	13.78	138.9413956
1.021	3.887	135.6297688	19.53	1.32	0.99	135.4456671
1.172	3.234	135.5579583	19.52	1.502	3.236	135.5581512
1.344	10.52	137.3773325	19.55	1.417	7.181	136.26345
1.295	4.065	135.6524137	19.57	1.438	1.804	135.4623605
1.165	357.1	135.7439374	19.59	1.475	357.3	135.7132992
1.244	349.3	138.2696225	19.63	1.555	352.4	136.949775
0.814	18.3	141.9406579	19.68	0.943	11.69	137.8832848
0.867	354.9	136.1915717	19.74	0.921	353.3	136.6458601
0.931	350.7	137.6205085	19.81	1.069	352.2	137.0220917
0.932	355.4	136.0719483	19.88	1.088	358.4	135.5745369
0.551	337.7	147.3618674	19.94	0.746	341.9	143.249962
0.55	23.73	146.9581863	20.06	0.569	13.88	138.99708
0.732	11.01	137.5817934	20.18	0.853	5.55	135.8927895
0.615	6.225	136.0325759	20.22	0.732	3.511	135.5862599
0.742	12.76	138.399965	20.25	0.862	11.6	137.8421902
0.898	1.683	135.4581487	20.29	0.977	6.593	136.1168697
0.929	347.9	139.008273	20.26	1.166	353.4	136.6142539
0.79	337.2	147.9207527	20.26	0.868	341.9	143.249962
0.878	358.8	135.5365272	20.28	1.006	359.1	135.5123672
1.174	3.309	135.5653072	20.27	1.305	1.506	135.4530763
0.716	359.2	135.5051412	20.31	0.796	357.9	135.6313781
0.851	2.104	135.4754104	20.36	0.916	356.6	135.8278372
0.931	3.205	135.5551792	20.4	1.066	1.992	135.4701037
0.853	8.34	136.5954969	20.43	0.976	4.313	135.6861603
0.995	6.171	136.0206875	20.44	1.258	6.131	136.0119604
0.929	10.48	137.3611119	20.45	1.088	4.754	135.7524957
1.151	5.455	135.8746521	20.46	1.395	5.145	135.8180968
1.059	6.889	136.1888261	20.46	1.154	3.736	135.6115907

18.8	1.163	343.7	141.786421	144.8128632	No
18.82	0.936	336.6	148.6120398	153.8138677	No
18.84	1.037	339.6	145.3759529	150.6244089	No
18.84	0.909	347.5	139.23608	145.6654738	No
18.91	1.359	346.9	139.5919783	140.3976916	No
18.97	1.165	351.7	137.21054	139.4978163	No
19.08	1.334	11.56	137.824043	136.7064504	No
19.16	1.076	10.27	137.2771139	137.6126448	No
19.22	1.3	1.566	135.4546509	137.6821031	No
19.27	1.379	345	140.8336095	140.9839044	No
19.29	1.225	357.7	135.6570213	136.2776083	No
19.36	1.327	3.603	135.5963636	135.5379783	No
19.42	1.9	357.6	135.6704665	136.0732788	No
19.47	1.42	359.7	135.475212	135.6788536	No
19.5	1.228	356.3	135.8831963	137.2058465	No
19.56	1.362	2.557	135.5021612	135.6650196	No
19.6	1.133	359.1	135.5123672	135.6170749	No
19.62	0.985	355.1	136.1424529	140.7700317	No
19.64	1.16	352.5	136.9142707	139.2151138	No
19.65	1.134	359.5	135.4859439	135.9330643	No
19.68	1.491	8.35	136.5986123	138.3347217	No
19.69	1.407	12.88	138.4611682	138.2146573	No
19.69	1.472	14.57	139.3941179	140.4373416	No
19.69	1.354	6.736	136.1511692	135.5264635	No
19.68	1.595	7.375	136.3150324	136.0882502	No
19.71	1.658	11.21	137.668318	137.4600407	No
19.72	1.677	7.662	136.3942834	135.6677787	No
19.75	1.547	359.1	135.5123672	135.7554928	No
19.79	1.67	355.6	136.0270567	137.4765388	No
19.85	1.022	14.04	139.0871496	141.7744378	No
19.91	1.074	0.878	135.44551	136.6720829	No
19.99	1.126	352.9	136.7766005	136.8853706	No
20.06	1.095	360	135.4622116	136.0792144	No
20.14	0.689	346.2	140.0289626	142.8249861	No
20.27	0.713	16.34	140.5167821	143.9168243	No
20.36	0.927	11.34	137.7255177	137.2709649	No
20.4	0.813	6.356	136.0619273	135.7252071	No
20.41	0.917	13.8	138.952495	139.4252574	No
20.43	1.189	7.541	136.3604426	136.6794795	No
20.4	1.176	358.8	135.5365272	137.6343136	No
20.4	1.024	345.4	140.557513	149.4367303	No
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20.41	1.395	2.255	135.4833852	135.5965002	No
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20.49	1.058	2.689	135.5115521	135.9134885	No
20.54	1.142	5.833	135.9490643	135.5665084	No
20.57	1.142	7.407	136.3236948	136.4252538	No
20.58	1.212	10.45	137.3489929	136.3187178	No
20.59	1.215	7.919	136.4682361	137.18658	No
20.59	1.46	4.365	135.6935608	136.0084602	No
20.58	1.273	10.34	137.3048969	136.3522934	No

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7/30/2019	7:36	20.74	0.63
7/30/2019	7:37	20.74	0.543
7/30/2019	7:38	20.78	0.52
7/30/2019	7:39	20.77	0.334
7/30/2019	7:40	20.8	0.386
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7/30/2019	7:46	20.92	0.344
7/30/2019	7:47	20.96	0.279
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7/30/2019	7:49	20.92	0.407
7/30/2019	7:50	20.92	0.492
7/30/2019	7:51	20.92	0.472
7/30/2019	7:52	20.89	0.441
7/30/2019	7:53	20.92	0.365
7/30/2019	7:54	20.95	0.381
7/30/2019	7:55	21	0.404
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7/30/2019	8:13	21.72	0.535
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7/30/2019	8:20	22.06	0.348

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0.986	11.18
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1.231	8.6
1.053	17.51
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1.373	4.558	135.7220126	20.71	1.767	2.58	135.5037456
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1.669	8.48	136.6395044	20.73	1.993	8.03	136.5010511
1.802	18.71	142.2633241	20.71	2.029	16.44	140.5847658
1.268	7.234	136.2773831	20.73	1.594	4.716	135.7464605
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20.8	1.84	6.955	136.2053766	136.3000129	No
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20.82	2.201	12.26	138.1520469	136.9593592	No
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4.845	135.7671933	23.18
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21.68	144.8693102	23.43
16.78	140.8196158	23.38
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3.031	135.539236	23.17
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31.83	157.8994493	23.21
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14.38	139.2825463	23.84
17.46	141.3066469	23.94
350	137.9340071	23.9
342	143.1641434	24.05
24.99	148.3675039	24.13
8.69	136.7070998	24.08
359.8	135.4704656	23.95
350.1	137.8878733	23.8
348.7	138.5750946	23.76
354.9	136.1915717	23.77
3.271	135.5615546	23.75
356.3	135.8831963	23.79
330.2	157.5218261	23.87
339.3	145.6753339	23.98
338.8	146.1859844	24.05

0.781	3.861
0.905	0.701
0.829	4.636
0.919	354.6
1.243	352.9
1.113	5.308
1.247	356.9
1.161	22.82
0.929	355.5
0.769	359.3
0.932	356.9
1.097	346.6
1.07	349.9
1.296	12.34
0.988	1.228
0.92	12.61
0.685	3.564
0.935	10.69
1.217	8.16
1.075	1.581
1.128	15.72
1.155	6.546
1.514	16.96
1.169	2.132
1.269	357.1
1.078	2.061
0.98	12.72
1.27	2.711
1.2	11.76
0.841	10.57
0.88	5.482
0.75	2.698
1.366	349.3
1.112	346.2
0.974	354.9
1.076	352.3
1.053	359.3
1.172	12.33
0.981	359.4
0.999	345.7
1.261	8.54
1.225	14.52
1.497	9.69
1.327	356.8
1.482	355.7
1.238	359.3
1.116	3.827
1.257	356.4
1.18	328
1.261	342.5
1.175	341.2

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135.446317	22.16
135.7339517	22.21
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146.000457	22.18
136.0492916	22.17
135.4983288	22.28
135.7762441	22.35
139.7763685	22.39
137.9805921	22.34
138.1909472	22.33
135.4477194	22.28
138.3243898	22.33
135.5920376	22.44
137.4470604	22.56
136.5401549	22.57
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136.1057853	22.57
140.9462777	22.46
135.476818	22.35
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137.9154994	22.49
137.3977078	22.55
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135.5122186	22.86
138.2696225	22.93
140.0289626	22.86
136.1915717	22.97
136.9857152	23
135.4983288	23.03
138.1860687	23.13
135.4919297	23.1
140.355632	23.23
136.6586232	23.28
139.364591	23.25
137.0552041	23.14
135.7930238	23.01
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135.4983288	22.99
135.6224324	23
135.8643244	23.03
161.3176459	23.11
142.7430964	23.18
143.8658923	23.22

1.147	4.814	135.7621476	21.84	1.243	355.6	136.0270567
1.15	358.3	135.5850754	21.93	1.377	359.1	135.5123672
1.073	2.346	135.4886461	21.98	1.295	0.981	135.4456354
1.132	353.5	136.5830783	21.99	1.423	351.3	137.3692134
1.454	348.4	138.734051	22	1.788	347.7	139.1212357
1.346	2.85	135.5239817	21.97	1.653	3.647	135.6013199
1.542	351.9	137.1338452	21.98	1.762	355	136.1668004
1.495	18.88	142.3996846	21.95	1.806	20.02	143.353657
1.135	357.2	135.7284098	21.95	1.43	355.6	136.0270567
1.043	351.9	137.1338452	22.04	1.125	354	136.4336422
1.124	351.8	137.171973	22.1	1.392	352.7	136.8445673
1.341	346	140.1581671	22.14	1.684	341	144.0468045
1.442	346.3	139.9650888	22.09	1.632	347.2	139.411891
1.555	12.6	138.3193881	22.08	1.983	11.89	137.9759133
1.236	357.4	135.6986053	22.03	1.445	358.1	135.6073966
1.195	14.95	139.6224105	22.1	1.307	13.9	139.008273
0.833	7.347	136.3074886	22.19	0.972	4.184	135.6682873
1.211	9.47	136.9748873	22.31	1.381	7.714	136.4090187
1.366	4.624	135.7320984	22.32	1.733	6.316	136.0528883
1.097	4.197	135.6700571	22.32	1.609	2.093	135.4748663
1.373	15.35	139.8701857	22.36	1.627	13.66	138.8751913
1.327	7.275	136.2882435	22.33	1.717	5.056	135.802603
1.896	15.15	139.7453369	22.24	2.354	13.89	139.0026742
1.686	2.322	135.4872254	22.15	1.876	359.8	135.4704656
1.498	354.6	136.2684311	22.17	1.939	354.9	136.1915717
1.42	0.287	135.4532523	22.16	1.68	1.421	135.4510999
1.414	10.59	137.4058889	22.24	1.438	9.15	136.8618301
1.527	0.68	135.4464985	22.29	1.899	359.2	135.5051412
1.713	6.938	136.2010959	22.3	1.896	8.75	136.7267625
1.093	14.82	139.5435354	22.34	1.37	10.92	137.5434393
1.124	0.553	135.447984	22.45	1.303	357.9	135.6313781
0.892	9.92	137.1414356	22.63	1.016	357.9	135.6313781
1.762	341.5	143.5986496	22.68	1.987	343	142.3353263
1.351	345.8	140.2893212	22.62	1.617	341.8	143.3363204
1.172	355.3	136.0950271	22.7	1.396	351.3	137.3692134
1.364	353.5	136.5830783	22.73	1.634	349.6	138.1230627
1.027	5.632	135.9087493	22.75	1.299	5.288	135.8436852
1.428	8.52	136.652233	22.85	1.692	11.74	137.9062727
1.116	358.5	135.564413	22.83	1.341	352.6	136.8792016
1.114	343.9	141.6342428	22.96	1.424	341.2	143.8658923
1.476	13.28	138.6699684	22.98	1.687	10.02	137.1796512
1.399	17.36	141.2335648	22.96	1.699	14.72	139.4834113
1.63	9.8	137.0961561	22.89	2.168	10.08	137.2027914
1.481	352.5	136.9142707	22.79	1.923	352.7	136.8445673
1.483	355.3	136.0950271	22.77	2.05	355.8	135.9838512
1.464	358	135.6191797	22.78	1.765	357	135.759882
1.398	4.266	135.6795682	22.8	1.652	1.609	135.4558707
1.466	352.4	136.949775	22.82	1.764	347.3	139.3528135
1.393	326.8	163.5696028	22.89	1.734	323.7	170.0444603
1.278	340.8	144.2299319	22.94	1.728	337.7	147.3618674
1.17	337.9	147.1426245	22.97	1.592	335.4	150.0639356

21.9	1.378	6.602	136.1190029	137.5667649	No
22	1.471	359.3	135.4983288	135.5763957	No
22.05	1.462	3.653	135.6020019	136.3305713	No
22.04	1.515	355.1	136.1424529	136.4218906	No
22.05	1.851	347.9	139.008273	137.6486917	No
22.02	1.878	8.44	136.6268447	136.0987345	No
22.02	1.926	357.5	135.6843278	136.2353035	No
21.99	1.949	22.57	145.7459425	144.4953179	No
21.99	1.546	359.2	135.5051412	136.2864235	No
22.11	1.334	356.1	135.9221983	136.1592926	No
22.15	1.505	351.9	137.1338452	136.3899944	No
22.18	1.838	346.1	140.0933217	140.2600613	No
22.1	1.83	350.3	137.796957	138.2049924	No
22.09	2.179	15.83	140.1777157	137.8165515	No
22.03	1.632	359	135.5200067	135.5731734	No
22.12	1.496	21.01	144.2391466	138.5034946	No
22.24	1.142	15.55	139.9969651	137.931057	No
22.34	1.616	13.59	138.8368825	138.1466968	No
22.33	1.931	10.46	137.3530282	136.456597	No
22.32	1.607	8.62	136.6843565	135.7435156	No
22.35	1.891	21.4	144.6028841	140.9302348	No
22.32	1.889	10.86	137.5180703	137.2540619	No
22.22	2.634	15.61	140.0353767	140.0124802	No
22.14	2.216	1.574	135.454872	135.4886289	No
22.17	2.066	359.9	135.4661321	136.8171149	No
22.16	1.863	6.489	136.0924678	135.7894054	No
22.25	1.838	14.71	139.4774251	137.0853911	No
22.31	2.071	4.134	135.661546	135.5010158	No
22.3	2.221	12.24	138.1423673	137.0370637	No
22.34	1.581	15.81	140.1646784	143.096033	No
22.47	1.453	2.982	135.5349725	136.1856513	No
22.65	1.253	3.925	135.6344926	136.3406271	No
22.68	2.155	342.6	142.6604859	141.7574591	No
22.62	1.897	342.5	142.7430964	141.4974826	No
22.71	1.602	355.3	136.0950271	136.8859214	No
22.72	1.819	351.7	137.21054	138.3695693	No
22.72	1.552	10.21	137.2534719	136.6333274	No
22.8	1.822	11.62	137.8512908	138.5128053	No
22.79	1.511	357.5	135.6843278	136.4673879	No
22.92	1.542	345.2	140.6945686	142.2549776	No
22.92	1.957	14.9	139.5919783	140.2189367	No
22.9	2.013	19.74	143.1129108	139.1971667	No
22.83	2.285	13.59	138.8368825	136.7061543	No
22.74	1.977	355	136.1668004	136.8599338	No
22.75	2.188	357.6	135.6704665	136.6648041	No
22.76	2.055	0.872	135.4455162	135.7672406	No
22.78	1.922	4.593	135.7273385	135.5798565	No
22.8	2.001	346.7	139.7144254	137.0125273	No
22.87	2.012	326.3	164.548069	163.1133838	No
22.91	1.827	339.7	145.2773166	145.0025574	No
22.94	1.698	337.3	147.8077356	146.8146092	No

7/30/2019	9:12	23.43	0.233
7/30/2019	9:13	23.42	0.363
7/30/2019	9:14	23.36	0.319
7/30/2019	9:15	23.29	0.352
7/30/2019	9:16	23.22	0.329
7/30/2019	9:17	23.21	0.325
7/30/2019	9:18	23.24	0.343
7/30/2019	9:19	23.27	0.378
7/30/2019	9:20	23.3	0.353
7/30/2019	9:21	23.4	0.279
7/30/2019	9:22	23.42	0.297
7/30/2019	9:23	23.42	0.32
7/30/2019	9:24	23.38	0.63
7/30/2019	9:25	23.32	0.405
7/30/2019	9:26	23.35	0.479
7/30/2019	9:27	23.31	0.483
7/30/2019	9:28	23.31	0.372
7/30/2019	9:29	23.38	0.452
7/30/2019	9:30	23.44	0.337
7/30/2019	9:31	23.53	0.447
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7/30/2019	9:35	23.92	0.377
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7/30/2019	9:37	23.98	0.33
7/30/2019	9:38	24.03	0.528
7/30/2019	9:39	23.92	0.604
7/30/2019	9:40	23.87	0.581
7/30/2019	9:41	23.81	0.512
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7/30/2019	9:43	23.75	0.512
7/30/2019	9:44	23.72	0.481
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7/30/2019	9:46	23.79	0.497
7/30/2019	9:47	23.83	0.543
7/30/2019	9:48	23.81	0.403
7/30/2019	9:49	23.85	0.44
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7/30/2019	9:51	23.98	0.406
7/30/2019	9:52	24.07	0.258
7/30/2019	9:53	24.19	0.338
7/30/2019	9:54	24.24	0.336
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7/30/2019	9:56	24.37	0.338
7/30/2019	9:57	24.33	0.501
7/30/2019	9:58	24.26	0.308
7/30/2019	9:59	24.33	0.351
7/30/2019	10:00	24.33	0.483
7/30/2019	10:01	24.28	0.431
7/30/2019	10:02	24.23	0.43

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342.8	142.4968525	24.05
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347.4	139.2942101	24.04
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337.6	147.4724086	24.61
355.6	136.0270567	24.61
352.6	136.8792016	24.64
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343	142.3353263	24.42
336.2	149.0856146	24.3
336.2	149.0856146	24.25
319.1	181.6899539	24.21
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354.5	136.2949008	24.26
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341.5	143.5986496	24.22
346.4	139.9016992	24.29
342.8	142.4968525	24.37
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352.4	136.949775	24.62
353.5	136.5830783	24.78
321.1	176.2962446	24.85
320.6	177.5942369	24.93
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338.4	146.6051528	24.92
356	135.9423289	24.82
324.1	169.1522337	24.93
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339	145.9799608	24.85
336.2	149.0856146	24.77

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1.337	350.8
1.403	359.9
1.42	352.4
1.117	3.927
1.201	348.8
1.338	343.3
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1.211	348.6
1.054	340
1.34	342.9
1.59	341.3
1.147	354
1.366	357.9
1.439	347.1
1.033	347
1.298	353.1
0.907	339.9
1.262	349.8
0.718	340.2
1.027	3.394
1.051	347.2
1.226	344.2
1.119	5.76
0.888	352.8
1.523	336.6
1.625	337.4
1.515	350.3
1.558	342.1
1.169	330.2
1.41	324.7
1.218	324
1.415	336
1.304	0.485
1.605	351.4
1.18	354
1.326	358
0.986	350.7
0.974	354.9
1.136	350.6
0.982	3.243
0.982	339
0.87	325.4
1.055	356.3
1.399	346.5
1.029	354.9
0.995	332.7
1.281	313.3
1.376	344.2
1.167	343.2

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142.096964	22.98
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138.6276173	23.09
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143.7762629	23
136.4336422	22.94
135.6313781	22.97
139.4714437	22.94
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138.0276292	23.18
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139.411891	23.54
141.4098131	23.53
135.9342263	23.54
136.810367	23.6
148.6120398	23.66
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157.5218261	23.48
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149.3262707	23.45
135.449053	23.58
137.328883	23.59
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137.6205085	23.68
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137.6639493	23.87
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139.8387928	24.12
136.1915717	24.03
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191.3112307	24.14
141.4098131	24.08
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1.297	339.3	145.6753339	23.05	1.428	336.9	148.2635581
1.733	338.9	146.0826775	23.02	2.307	338.9	146.0826775
1.597	348.5	138.6806025	22.9	1.947	346.1	140.0933217
1.827	1.058	135.446015	22.81	2.02	355.8	135.9838512
1.635	345.6	140.4224336	22.69	2.034	346.3	139.9650888
1.36	3.525	135.5877748	22.68	1.567	1.665	135.4575738
1.466	346.4	139.9016992	22.7	1.852	347.4	139.2942101
1.594	339.5	145.4751667	22.72	2.093	339.3	145.6753339
1.415	0.061	135.4600229	22.76	1.667	0.053	135.4603012
1.432	345.6	140.4224336	22.86	1.744	343.4	142.0185516
1.544	335.5	149.9393426	22.85	1.844	335.2	150.3151193
1.628	337.7	147.3618674	22.83	2.053	337.7	147.3618674
2.103	338.5	146.4994658	22.81	2.496	339.4	145.5749597
1.604	354.9	136.1915717	22.77	1.948	352.8	136.810367
1.645	356.1	135.9221983	22.81	2.154	356.1	135.9221983
1.807	344.5	141.1899582	22.8	2.344	343.9	141.6342428
1.36	348	138.952495	22.79	1.781	346.8	139.6529623
1.649	348.5	138.6806025	22.85	2.167	348.6	138.6276173
1.174	341.7	143.4232201	22.9	1.553	337.5	147.5835656
1.574	345.7	140.355632	23.01	1.88	343.4	142.0185516
0.935	342.2	142.9941199	23.11	1.274	337.6	147.4724086
1.357	3.132	135.5483377	23.21	1.662	3.771	135.6157199
1.215	344.3	141.3360215	23.32	1.681	342.5	142.7430964
1.332	342.9	142.4158267	23.3	1.885	340.2	144.7927354
1.41	3.076	135.5432391	23.31	1.763	0.415	135.4503527
1.13	348	138.952495	23.35	1.421	349.7	138.0751192
1.74	336.8	148.379085	23.4	2.172	333	153.2595242
1.714	335.4	150.0639356	23.28	2.413	334.1	151.7450728
1.974	348.3	138.7879636	23.28	2.347	347.2	139.411891
1.793	338.8	146.1859844	23.2	2.271	339.2	145.7762909
1.871	327.5	162.2397397	23.17	1.938	324.3	168.7126952
1.806	321.8	174.5327325	23.11	2.182	321.4	175.5328989
1.528	322.4	173.0693692	23.11	1.981	323.2	171.184873
1.529	333.9	152.0140384	23.12	2.11	334.5	151.2154981
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1.826	335.5	149.9393426	24.26	2.324	332.8	153.5442409
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23.83	2.436	314.3	195.7142115	181.0406882	Yes
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23.92	2.907	331.3	155.7749165	157.338413	No
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23.91	2.76	336.9	148.2635581	154.7891976	No
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24.07	2.153	329.5	158.684756	168.2305142	No
24.07	2.025	329.2	159.1957351	158.8717627	No
24.19	2.479	328.4	160.5962459	171.8322813	No
24.18	3.354	318.5	183.4173207	191.9779488	Yes
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24.1	1.926	341.8	143.3363204	144.2666198	No
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24.23	2.549	346.1	140.0933217	143.1578044	No
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24.37	2.66	321.2	176.0405229	176.5656436	Yes

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7/30/2019	11:16	25.36	0.394
7/30/2019	11:17	25.38	0.629
7/30/2019	11:18	25.3	0.497
7/30/2019	11:19	25.33	0.397
7/30/2019	11:20	25.35	0.6
7/30/2019	11:21	25.26	0.508
7/30/2019	11:22	25.22	0.458
7/30/2019	11:23	25.17	0.456
7/30/2019	11:24	25.08	0.606
7/30/2019	11:25	25.03	0.482
7/30/2019	11:26	25	0.451
7/30/2019	11:27	25.02	0.636
7/30/2019	11:28	24.99	0.395
7/30/2019	11:29	25.04	0.377
7/30/2019	11:30	25.1	0.391
7/30/2019	11:31	25.17	0.326
7/30/2019	11:32	25.3	0.305
7/30/2019	11:33	25.46	0.39
7/30/2019	11:34	25.5	0.422
7/30/2019	11:35	25.62	0.382
7/30/2019	11:36	25.67	0.377
7/30/2019	11:37	25.64	0.483
7/30/2019	11:38	25.6	0.373
7/30/2019	11:39	25.55	0.443
7/30/2019	11:40	25.55	0.381
7/30/2019	11:41	25.64	0.426
7/30/2019	11:42	25.59	0.542
7/30/2019	11:43	25.44	0.523
7/30/2019	11:44	25.36	0.413

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337.2	147.9207527	25
312.4	188.6290418	25.07
321.7	174.7809062	25.13
324.7	167.8465446	25.25
334.4	151.3468538	25.32
335.5	149.9393426	25.35
322.9	171.8828066	25.39
311.7	186.6257896	25.33
304.9	170.4081994	25.28
324.5	168.2774801	25.24
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338.8	146.1859844	25.17
328.3	160.7752562	25.33
331.1	156.0853794	25.48
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332.6	153.8318952	25.57
314.7	195.6900033	25.47
335.2	150.3151193	25.64
314.2	195.7142115	25.65
307.5	175.9737479	25.53
329.7	158.3483275	25.56
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311	184.6919171	25.47
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332.6	153.8318952	25.13
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324	169.3736382	25.13
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351	137.4928614	25.39
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319.2	181.4071437	25.79
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300.4	162.3184643	25.39

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1.215	341.7
1.398	329.4
1.414	327.2
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1.232	326
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1.507	347.4
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1.065	339.3
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1.341	309.5

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145.6753339	25.09
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179.1954466	25.12
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146.3943767	24.76
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187.4756675	25.33
183.4173207	25.29
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189.898934	25.44
170.7253164	25.33
175.9737479	25.15
180.7691609	25.06

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2.065	333.9	152.0140384	24.32	2.602	336	149.3262707
2.053	341.5	143.5986496	24.41	2.766	338.5	146.4994658
1.695	321.3	175.7860767	24.44	2.233	322.2	173.55231
1.423	321.8	174.5327325	24.5	1.798	320.7	177.3320297
1.526	324.2	168.9319213	24.63	2.016	321.7	174.7809062
1.718	337.8	147.2519401	24.67	2.204	336.8	148.379085
1.441	338.7	146.2898835	24.63	1.979	337.3	147.8077356
1.806	326.8	163.5696028	24.61	2.356	323.8	169.8197457
1.866	324.4	168.49455	24.55	2.329	322.6	172.5912057
1.92	310.1	182.3031224	24.54	2.406	310.5	183.3515534
1.792	320.2	178.6563324	24.52	2.16	319.4	180.8458047
2.091	333.8	152.1495751	24.51	2.398	334.1	151.7450728
1.397	335.8	149.5695304	24.48	1.674	333.3	152.8379067
1.637	330.9	156.3989918	24.69	2.186	327.9	161.5002424
1.345	345.9	140.2234999	24.83	1.668	342.8	142.4968525
1.824	343.9	141.6342428	24.91	2.242	345	140.8336095
2.089	340.7	144.3223303	24.8	2.498	341.9	143.249962
1.049	329	159.540656	24.68	1.382	325.6	165.9591491
1.318	332.3	154.2689366	24.83	1.599	333.4	152.6988115
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1.762	310.7	183.8836779	24.8	2.166	309.5	180.7691609
1.212	318	184.8977039	24.84	1.458	314.9	194.9814553
2.303	315.7	192.2210107	24.9	2.54	313.5	191.9241395
1.956	310.1	182.3031224	24.81	2.669	310.8	184.1517432
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2.12	334.2	151.6116385	24.69	2.841	331.8	155.0123664
2.454	345.7	140.355632	24.61	2.909	343.7	141.786421
2.123	343.6	141.8632814	24.58	2.724	342.3	142.9099119
1.649	343.8	141.7100752	24.55	2.271	342.2	142.9941199
2.325	334.7	150.9548471	24.6	2.992	334.4	151.3468538
1.834	323.5	170.4972397	24.6	2.142	320.7	177.3320297
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1.3	346.6	139.7763685	24.83	1.892	345.7	140.355632
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1.236	319.7	180.0143756	25.29	1.589	317.6	186.1096044
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1.996	312.9	190.1039947	25.07	2.497	311.1	184.9640411
1.404	308	177.1284437	25.1	2.114	305.8	172.2544374
1.944	313.9	195.7142115	25.26	2.371	311.8	186.9076557
2.628	318.9	182.2598979	25.14	2.927	318.7	182.8356637
2.276	306.7	174.1845669	24.96	3.05	307.8	176.6631365
1.664	310.1	182.3031224	24.86	2.123	305.3	171.2186266

24.3	3.398	317.2	187.3466876	188.3547371	Yes
24.12	3.579	321	176.5532489	183.3133077	Yes
24.03	3.129	326.8	163.5696028	165.9325148	No
24.11	2.913	332.9	153.4015168	157.3314473	No
24.18	3.109	339.4	145.5749597	150.6232409	No
24.28	3.026	344.6	141.1176841	145.4487827	No
24.29	2.658	325.2	166.7876462	178.6947429	Yes
24.36	1.942	326.4	164.3504379	171.6775462	No
24.5	2.262	325.7	165.7545685	168.4497779	No
24.51	2.703	342.1	143.0788632	148.2651391	No
24.44	2.304	339.5	145.4751667	146.8650455	No
24.43	2.708	329.3	159.0245589	166.0315972	No
24.36	2.799	324.2	168.9319213	172.6288987	No
24.34	2.944	311.5	186.0662962	180.1210073	Yes
24.34	2.603	322.6	172.5912057	173.2316172	No
24.33	2.931	333.5	152.5604335	150.7534621	No
24.34	2.09	335.2	150.3151193	149.0442468	No
24.56	2.47	332	154.712722	157.7060164	No
24.69	2.172	346.4	139.9016992	145.1099936	No
24.74	2.738	344.9	140.9038772	144.0552631	No
24.59	2.975	340.9	144.1380905	145.1745994	No
24.49	1.525	326.7	163.7633675	170.3135812	No
24.62	1.94	334.5	151.2154981	150.7395503	No
24.65	3.206	309.1	179.7716623	183.7417604	Yes
24.56	2.753	311.6	186.3453391	184.0851996	Yes
24.62	1.846	318.3	184.0049395	179.7683228	Yes
24.71	3.168	316.8	188.6095808	188.5560786	Yes
24.61	2.942	314	195.7142115	186.7152486	Yes
24.61	3.499	334.7	150.9548471	153.6954476	No
24.5	3.061	335.4	150.0639356	153.2999275	No
24.45	3.772	346.3	139.9650888	140.8840226	No
24.42	3.209	344.8	140.9746448	144.626697	No
24.38	2.507	347.7	139.1212357	143.3327332	No
24.44	3.539	335.7	149.6921424	153.8187658	No
24.44	2.448	324.2	168.9319213	169.767767	No
24.55	2.114	315.3	193.5866754	187.008095	Yes
24.58	2.076	327.4	162.4269132	157.6293464	No
24.61	2.079	347.5	139.23608	139.4620905	No
24.74	1.63	323	171.6490075	177.840525	Yes
24.91	2.527	336.4	148.8475437	153.8650145	No
24.94	2.875	338.1	146.9258206	150.0564021	No
25.13	1.876	323.6	170.2702897	175.6868565	Yes
25.05	2.525	311.8	186.9076557	187.6065495	Yes
24.96	2.744	297	157.3167727	162.6088199	No
24.88	2.778	312.7	189.5095215	184.9463326	Yes
24.86	2.931	316.1	190.8837175	187.3731173	Yes
24.92	2.309	311.2	185.2375331	177.527317	Yes
25.08	2.847	316.1	190.8837175	188.4819862	Yes
24.95	3.755	321.8	174.5327325	179.3378227	Yes
24.76	3.502	311.1	184.9640411	176.8348439	Yes
24.66	2.597	309.7	181.2753983	174.1523436	No

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7/30/2019	12:35	25.48	0.522

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2.188	326.5
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2.021	330.5
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1.886	322.1

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195.7142115	25.09
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150.0639356	25.26
173.7955882	25.3

1.998	308.2	177.5983781	24.94	2.64	307.3	175.5198021
1.64	305.7	172.0452245	25.06	2.36	304.3	169.2222095
2.119	315	194.6299891	25.05	2.703	313.7	192.5433417
2.008	311.3	185.5124012	25	2.474	307.4	175.7462142
2.197	300.6	162.6406568	25.06	2.857	298.5	159.4157407
2.06	318	184.8977039	25.05	2.634	317	187.9748679
1.746	329.9	158.0152438	24.97	2.327	326.6	163.9580918
2.228	320.9	176.811543	24.99	2.818	319.7	180.0143756
2.386	326.4	164.3504379	24.93	3.053	323.7	170.0444603
2.696	318.3	184.0049395	24.85	3.305	317.5	186.4164902
2.599	332.7	153.6876994	24.71	3.151	331.2	155.9297559
2.117	331.7	155.1633342	24.75	2.751	328.7	160.0645165
2.494	327.8	161.6837458	24.85	3.237	325.4	166.3713526
2.388	328.2	160.955157	24.82	2.968	327.1	162.994021
2.482	336.6	148.6120398	24.87	3.011	336	149.3262707
2.074	343.2	142.1758963	24.88	2.88	339.3	145.6753339
2.148	335.2	150.3151193	24.95	2.484	334	151.8792052
2.255	342.3	142.9099119	25.01	2.614	339.6	145.3759529
2.126	331.3	155.7749165	25.12	2.434	329.8	158.1813694
2.348	326.1	164.946271	25.05	3.16	326.9	163.3767931
2.247	334.2	151.6116385	25.08	2.912	333.2	152.9777221
2.431	331.8	155.0123664	25.03	3.123	330.8	156.5569873
2.717	347.6	139.1784222	25.02	3.425	346.5	139.8387928
2.579	340.3	144.6975271	24.99	3.082	340.2	144.7927354
2.499	343.4	142.0185516	25	3.215	342	143.1641434
1.994	331	156.2417902	24.96	2.902	327.9	161.5002424
1.839	314.1	195.7142115	25.03	2.211	314	195.7142115
1.914	321.4	175.5328989	25.16	2.377	320.3	178.3888034
2.487	342.2	142.9941199	25.16	3.135	337.9	147.1426245
2.455	344.6	141.1176841	25.07	3.332	341.8	143.3363204
3.028	347.8	139.0645196	25.05	3.486	343	142.3353263
2.727	337.7	147.3618674	24.99	3.521	335.1	150.441715
2.473	319.8	179.7400211	25.03	3.075	318.5	183.4173207
2.194	312	187.4756675	24.98	2.994	310.5	183.3515534
1.985	320.7	177.3320297	25.03	2.327	318.4	183.7103804
1.937	315.6	192.5597384	25.18	2.531	314	195.7142115
2.885	328.1	161.1359522	25.24	3.338	327.6	162.0534901
2.96	338.2	146.8183282	25.13	3.713	336.1	149.2056183
2.517	343.9	141.6342428	24.99	3.348	343	142.3353263
1.874	328.4	160.5962459	25.04	2.318	331.9	154.8621634
2.2	342.7	142.5784051	25.22	2.836	341.1	143.9560723
2.812	338.5	146.4994658	25.2	3.742	336.1	149.2056183
2.833	330.6	156.8753741	25.23	3.422	329.8	158.1813694
3.16	330.9	156.3989918	25.17	3.887	328.1	161.1359522
2.946	326.6	163.9580918	25.04	3.651	324.4	168.49455
2.693	322.5	172.8296935	24.82	3.62	321.2	176.0405229
2.441	328.2	160.955157	24.89	3.326	327.1	162.994021
2.453	328.4	160.5962459	24.99	3.181	325.4	166.3713526
2.158	327.4	162.4269132	25.09	2.629	324.4	168.49455
2.736	333.3	152.8379067	25.17	3.143	332	154.712722
2.409	322.1	173.7955882	25.2	3.056	320.1	178.9252109

24.77	2.905	312.6	189.2145397	179.798018	Yes
24.89	2.776	307	174.8472386	173.1447705	No
24.84	3.369	318.7	182.8356637	191.1205806	Yes
24.79	3.01	313	190.403504	186.7692054	Yes
24.87	3.364	303.3	167.3221929	161.6758735	No
24.85	3.139	320.9	176.811543	183.5982329	Yes
24.78	2.711	331.1	156.0853794	159.6088786	No
24.81	3.324	323.5	170.4972397	178.1228189	Yes
24.76	3.485	327	163.184934	164.6789461	No
24.68	3.991	319.2	181.4071437	182.5820569	Yes
24.54	4.109	334.1	151.7450728	157.5759722	No
24.61	3.328	332	154.712722	153.7743086	No
24.68	3.869	328	161.3176459	163.3823891	No
24.66	3.454	330	157.8499471	161.4069887	No
24.72	3.572	339	145.9799608	150.5838065	No
24.73	3.249	343.9	141.6342428	145.3479211	No
24.79	3.247	337.4	147.6953406	150.4201446	No
24.83	3.383	343.3	142.096964	143.5397729	No
24.95	3.328	331.4	155.6208578	154.4164982	No
24.87	3.667	328.7	160.0645165	162.6631219	No
24.93	3.376	338.6	146.3943767	153.0349973	No
24.88	3.691	335.2	150.3151193	154.2440683	No
24.86	3.98	350.7	137.6205085	139.8336232	No
24.85	3.78	345.2	140.6945686	147.5625092	No
24.85	3.815	346.2	140.0289626	142.1460757	No
24.81	3.12	334.7	150.9548471	160.5706428	No
24.91	2.611	318.5	183.4173207	187.624966	Yes
25.02	2.925	322.1	173.7955882	170.4924254	No
24.99	3.758	341.9	143.249962	145.65694	No
24.92	3.869	345.1	140.7638403	141.136105	No
24.91	4.39	346.4	139.9016992	141.5491039	No
24.86	4.071	338.4	146.6051528	148.728671	No
24.89	3.661	322.5	172.8296935	176.6164417	Yes
24.83	3.515	313.1	190.7045403	186.638952	Yes
24.9	3.089	322.8	172.1177686	172.6410522	No
25.03	2.976	315.3	193.5866754	186.9639849	Yes
25.09	4.138	330.7	156.7157803	159.50941	No
24.99	4.283	340.2	144.7927354	151.1580768	No
24.85	3.821	345.9	140.2234999	143.4376853	No
24.91	2.93	331.3	155.7749165	157.3111174	No
25.11	3.383	344.6	141.1176841	144.2682742	No
25.05	4.322	337.1	148.034394	150.8510519	No
25.1	4.173	332.3	154.2689366	162.2200676	No
25.02	4.821	330.9	156.3989918	165.164137	No
24.9	4.438	327.5	162.2397397	170.3012536	No
24.71	4.182	324.1	169.1522337	176.2251963	Yes
24.79	3.734	330.9	156.3989918	160.3064575	No
24.87	3.815	328.8	159.8890273	166.083788	No
24.97	3.272	328.6	160.24088	164.0865342	No
25.05	4.095	332.9	153.4015168	154.6424303	No
25.07	3.83	323.3	170.9545255	177.7043486	Yes

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7/30/2019	12:37	25.49	0.538
7/30/2019	12:38	25.56	0.491
7/30/2019	12:39	25.62	0.427
7/30/2019	12:40	25.72	0.563
7/30/2019	12:41	25.66	0.785
7/30/2019	12:42	25.57	0.701
7/30/2019	12:43	25.52	0.642
7/30/2019	12:44	25.45	0.558
7/30/2019	12:45	25.47	0.523
7/30/2019	12:46	25.54	0.358
7/30/2019	12:47	25.68	0.414
7/30/2019	12:48	25.73	0.469
7/30/2019	12:49	25.7	0.407
7/30/2019	12:50	25.66	0.429
7/30/2019	12:51	25.57	0.532
7/30/2019	12:52	25.49	0.587
7/30/2019	12:53	25.49	0.508
7/30/2019	12:54	25.55	0.364
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7/30/2019	12:56	25.75	0.384
7/30/2019	12:57	25.85	0.426
7/30/2019	12:58	25.92	0.392
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7/30/2019	13:00	25.97	0.246
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7/30/2019	13:02	26.04	0.331
7/30/2019	13:03	26.06	0.328
7/30/2019	13:04	26.11	0.268
7/30/2019	13:05	26.19	0.4
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7/30/2019	13:07	26.35	0.417
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7/30/2019	13:09	26.29	0.39
7/30/2019	13:10	26.25	0.555
7/30/2019	13:11	26.15	0.474
7/30/2019	13:12	26.14	0.383
7/30/2019	13:13	26.14	0.441
7/30/2019	13:14	26.13	0.532
7/30/2019	13:15	26.11	0.474
7/30/2019	13:16	26.09	0.406
7/30/2019	13:17	26.09	0.363
7/30/2019	13:18	26.05	0.403
7/30/2019	13:19	26.05	0.585
7/30/2019	13:20	26.02	0.472
7/30/2019	13:21	25.99	0.492
7/30/2019	13:22	25.94	0.491
7/30/2019	13:23	25.93	0.518
7/30/2019	13:24	25.92	0.491
7/30/2019	13:25	25.91	0.329
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320.2	178.6563324	25.64
314.7	195.6900033	25.77
309.6	181.0216499	25.68
315.1	194.2803784	25.55
306.2	173.1016948	25.5
315.3	193.5866754	25.41
310.8	184.1517432	25.45
327.1	162.994021	25.54
322.6	172.5912057	25.71
322.9	171.8828066	25.77
325.6	165.9591491	25.73
333	153.2595242	25.67
319.8	179.7400211	25.56
319.3	181.1257634	25.46
318.4	183.7103804	25.46
328.5	160.4181218	25.55
323.2	171.184873	25.72
322	174.0400802	25.8
327.4	162.4269132	25.91
334	151.8792052	25.97
326	165.1468514	25.95
316.1	190.8837175	25.99
318.5	183.4173207	26.07
329.3	159.0245589	26.06
332.1	154.5640391	26.06
319.7	180.0143756	26.1
303.3	167.3221929	26.18
312.8	189.8060036	26.21
310.2	182.5632711	26.34
321.7	174.7809062	26.27
312.1	187.7618297	26.24
307.7	176.4322033	26.16
318.7	182.8356637	26.03
299	160.152474	26.01
327.6	162.0534901	26.04
332.1	154.5640391	26.06
322.7	172.3538995	26.05
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303.4	167.507983	26.02
317.1	187.6599662	25.97
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338.1	146.9258206	25.96
340.8	144.2299319	25.91
325.4	166.3713526	25.91
321.8	174.5327325	25.91
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2.373	313.2
2.16	318.4
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2.097	315.5
1.875	312.2
1.477	322.3
1.379	325
1.885	332
2.014	330.4
2.43	338
2.27	338
2.011	325.7
1.759	324.2
1.754	325
1.637	325.4
1.582	325.3
1.737	323.1
1.719	332.1
1.789	337.5
0.998	306.3
1.829	318.8
1.756	324.2
1.596	329.7
1.272	318.8
1.505	297
1.27	305.2
1.65	317.8
1.371	315.3
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2.043	303.8
1.979	311.6
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2.243	334.9
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2.05	337.6
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1.42	328.2

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161.1359522	25.28
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191.0071128	25.46
183.7103804	25.35
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188.0494405	25.27
173.3102392	25.36
167.2080708	25.52
154.712722	25.55
157.1969778	25.49
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147.0339187	25.3
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168.9319213	25.24
167.2080708	25.35
166.3713526	25.52
166.5789856	25.58
171.416365	25.67
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147.5835656	25.67
173.3161361	25.72
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147.4724086	25.78
156.7157803	25.78
183.7103804	25.76
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141.0459134	25.71
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160.955157	25.76

2.932	320.8	177.0711342	25.21	3.55	320.7	177.3320297
2.638	326.1	164.946271	25.18	2.944	324.3	168.7126952
2.271	314.2	195.7142115	25.25	2.641	311.9	187.1909456
2.073	307.2	175.2945059	25.3	2.552	304.9	170.4081994
2.429	301.4	163.9624173	25.46	3.107	302.7	166.2266321
3.179	310.8	184.1517432	25.37	3.988	308.5	178.312062
2.932	318.9	182.2598979	25.27	3.387	314.1	195.7142115
2.982	318.5	183.4173207	25.23	3.626	316.1	190.8837175
2.38	314.3	195.7142115	25.15	3.283	312.8	189.8060036
2.302	309	179.5253688	25.2	2.867	309.2	180.0191816
1.742	316.6	189.2509084	25.28	2.436	316.8	188.6095808
1.933	320.2	178.6563324	25.44	2.163	317.5	186.4164902
2.485	333	153.2595242	25.45	2.84	330.2	157.5218261
2.616	326.9	163.3767931	25.4	3.153	326.2	164.7466785
2.758	334.9	150.6969261	25.32	3.774	333.8	152.1495751
2.879	335.6	149.8154124	25.2	3.548	334.7	150.9548471
2.631	321	176.5532489	25.12	3.304	320.6	177.5942369
2.26	316.5	189.5740787	25.16	2.784	315	194.6299891
1.815	322.4	173.0693692	25.28	2.693	322.1	173.7955882
2.132	318	184.8977039	25.45	2.681	316.2	190.5537426
1.903	321.3	175.7860767	25.47	2.514	323.1	171.416365
1.927	318.4	183.7103804	25.55	2.685	316	191.2154206
1.942	328.4	160.5962459	25.59	2.463	326.8	163.5696028
1.927	333.5	152.5604335	25.55	2.586	332.6	153.8318952
0.969	300.5	162.4791534	25.58	1.442	301.8	164.6434892
2.112	311.7	186.6257896	25.65	2.695	310.5	183.3515534
1.945	321.1	176.2962446	25.63	2.605	321.7	174.7809062
1.802	327.3	162.6150149	25.63	2.292	325.1	166.9973396
1.357	311.5	186.0662962	25.65	1.876	311.1	184.9640411
1.728	295.6	155.5019575	25.72	2.242	292.9	152.3697801
1.507	302.3	165.5142265	25.77	1.838	300.5	162.4791534
1.796	311.1	184.9640411	25.88	2.317	311.1	184.9640411
1.474	311.7	186.6257896	25.79	1.945	309.9	181.7867003
2.097	307.3	175.5198021	25.78	2.653	307.2	175.2945059
2.576	302.2	165.3383346	25.73	3.287	299.1	160.3021067
2.337	308.9	179.2802945	25.64	2.989	307.8	176.6631365
1.68	309	179.5253688	25.64	2.368	307.9	176.8952147
1.917	327.9	161.5002424	25.66	2.606	327	163.184934
2.496	335	150.5689831	25.65	2.864	333.8	152.1495751
2.223	322.8	172.1177686	25.67	2.752	324.8	167.6326681
2.192	315.9	191.5488631	25.65	3.051	314.2	195.7142115
2.013	304	168.6422867	25.66	2.45	301	163.294883
1.89	302.5	165.8686538	25.62	2.604	302.7	166.2266321
2.76	332.7	153.6876994	25.66	3.278	331.4	155.6208578
2.479	333.1	153.1182603	25.64	3.422	333	153.2595242
2.519	340.5	144.5088047	25.63	3.053	338.5	146.4994658
2.252	336.6	148.6120398	25.58	2.946	333.7	152.2858181
2.4	327.5	162.2397397	25.57	3.254	329.2	159.1957351
2.601	332.7	153.6876994	25.57	2.974	331.4	155.6208578
1.957	324.7	167.8465446	25.56	2.626	323.3	170.9545255
1.537	320	179.1954466	25.67	2.082	320.9	176.811543

25.07	4.366	323.9	169.5961403	173.7230946	No
25.05	3.755	328.3	160.7752562	169.2637041	No
25.12	3.342	314.8	195.3347893	186.7745632	Yes
25.17	2.993	308.4	178.0729882	176.9276478	Yes
25.33	3.562	307.1	175.0703199	174.2233922	No
25.23	4.784	312.5	188.9210494	183.623142	Yes
25.16	4.23	317.7	185.8042924	188.991217	Yes
25.13	4.313	319.2	181.4071437	180.8608139	Yes
25.05	3.718	315.3	193.5866754	193.0017853	Yes
25.09	3.548	313.3	191.3112307	182.9364335	Yes
25.17	2.81	318.9	182.2598979	178.5411873	Yes
25.31	2.957	320.9	176.811543	176.2180248	Yes
25.3	3.603	332.4	154.1225109	159.3442197	No
25.26	3.814	328.9	159.7144084	162.8198996	No
25.18	4.185	338.2	146.8183282	150.784986	No
25.08	4.406	336.2	149.0856146	156.8860498	No
25.01	3.898	323.4	170.7253164	175.2569544	Yes
25.07	3.457	319.5	180.5672593	184.2115924	Yes
25.19	2.938	325.9	165.3484246	168.6227875	No
25.32	3.432	319.8	179.7400211	178.251918	Yes
25.33	3.011	326.1	164.946271	171.9553769	No
25.4	2.903	321	176.5532489	177.1922698	Yes
25.43	3.126	328.9	159.7144084	157.6522732	No
25.37	2.958	337.1	148.034394	154.7806864	No
25.42	1.503	307.2	175.2945059	172.830624	No
25.51	3.08	315.2	193.9326112	183.9854281	Yes
25.45	3.036	326.1	164.946271	169.7584077	No
25.45	2.698	326.2	164.7466785	160.6311803	No
25.46	2.069	315.6	192.5597384	183.3979404	Yes
25.55	2.664	297.6	158.1366964	158.1276758	No
25.59	2.32	306	172.6759748	172.2034749	No
25.7	2.713	315.5	192.9002508	184.4979745	Yes
25.6	2.299	313.5	191.9241395	184.1950179	Yes
25.61	3.245	312.9	190.1039947	181.5844918	Yes
25.56	3.864	304.6	169.810806	167.5832688	No
25.48	3.577	311.6	186.3453391	181.2811085	Yes
25.49	2.799	315.2	193.9326112	176.4468993	Yes
25.51	2.849	333.4	152.6988115	160.4755002	No
25.49	3.751	336.7	148.4952449	151.1887515	No
25.54	3.317	327.6	162.0534901	167.2050291	No
25.52	3.41	318.7	182.8356637	187.2740178	Yes
25.54	2.953	305.6	171.8370419	169.499369	No
25.49	2.846	307.8	176.6631365	173.6506227	No
25.54	4.102	333.2	152.9777221	153.1760737	No
25.51	3.946	337.2	147.9207527	152.6427746	No
25.51	3.637	342.6	142.6604859	144.7450011	No
25.46	3.4	338.3	146.7114396	147.7007809	No
25.46	3.763	331.5	155.4675767	160.4459147	No
25.45	3.744	333.7	152.2858181	157.8284246	No
25.46	3.053	327.7	161.8681603	173.2475233	No
25.57	2.307	327.7	161.8681603	176.1094535	Yes

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7/30/2019	13:31	26.35	0.27
7/30/2019	13:32	26.45	0.391
7/30/2019	13:33	26.54	0.288
7/30/2019	13:34	26.62	0.376
7/30/2019	13:35	26.54	0.466
7/30/2019	13:36	26.53	0.574
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7/30/2019	13:40	26.22	0.408
7/30/2019	13:41	26.24	0.47
7/30/2019	13:42	26.28	0.353
7/30/2019	13:43	26.33	0.382
7/30/2019	13:44	26.42	0.52
7/30/2019	13:45	26.48	0.454
7/30/2019	13:46	26.45	0.462
7/30/2019	13:47	26.37	0.558
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7/30/2019	13:49	26.26	0.302
7/30/2019	13:50	26.35	0.545
7/30/2019	13:51	26.46	0.426
7/30/2019	13:52	26.47	0.573
7/30/2019	13:53	26.5	0.422
7/30/2019	13:54	26.54	0.478
7/30/2019	13:55	26.56	0.509
7/30/2019	13:56	26.44	0.52
7/30/2019	13:57	26.38	0.451
7/30/2019	13:58	26.41	0.363
7/30/2019	13:59	26.46	0.413
7/30/2019	14:00	26.46	0.507
7/30/2019	14:01	26.45	0.444
7/30/2019	14:02	26.44	0.497
7/30/2019	14:03	26.42	0.516
7/30/2019	14:04	26.36	0.582
7/30/2019	14:05	26.33	0.431
7/30/2019	14:06	26.26	0.427
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7/30/2019	14:11	26.58	0.358
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7/30/2019	14:14	26.54	0.481
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324.1	169.1522337	26.35
327.8	161.6837458	26.46
316.3	190.2254851	26.57
327.5	162.2397397	26.65
337.4	147.6953406	26.55
344.3	141.3360215	26.52
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333.1	153.1182603	26.14
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326.9	163.3767931	26.23
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326.8	163.5696028	26.48
329.8	158.1813694	26.42
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323.8	169.8197457	26.31
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329.1	159.3677662	26.45
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301.7	164.4719393	26.32
306.8	174.4043676	26.23
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326.4	164.3504379	26.37
313.5	191.9241395	26.39
337.3	147.8077356	26.38
333.6	152.4227699	26.37
306.3	173.3161361	26.35
303.8	168.2604307	26.27
321.7	174.7809062	26.25
315.3	193.5866754	26.18
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308	177.1284437	26.49
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1.597	328.8
1.881	331.9
1.538	337.7
1.725	314.3
1.607	317.4
1.447	316.1
1.673	336
1.933	337.1
1.93	328.1
2.385	329.6
1.572	324.9
1.473	316.1
1.625	323
1.729	304.2
1.887	319.3
1.592	326.7
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2.058	337.8
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1.78	307.7
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1.93	314
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147.3618674	25.84
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186.7249594	25.95
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148.034394	26.18
161.1359522	26.12
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179.7400211	26.02
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186.7249594	26.12
144.9848547	26.1
147.2519401	26.09
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158.5161218	25.99
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195.7142115	26.19
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142.9099119	26.16
171.416365	26.25
166.7876462	26.2

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1.806	317.7	185.8042924	25.94	2.214	317.5	186.4164902
1.384	315	194.6299891	25.83	1.863	315.2	193.9326112
1.592	320.3	178.3888034	25.97	2.049	318.9	182.2598979
1.085	312.2	188.0494405	26.05	1.463	309.5	180.7691609
1.935	317.3	187.035022	26.1	2.373	320.1	178.9252109
2.183	340	144.9848547	25.97	2.684	336.2	149.0856146
2.313	336.7	148.4952449	26.01	2.932	335.7	149.6921424
2.606	330.2	157.5218261	25.8	3.364	327.7	161.8681603
1.765	321.5	175.2809825	25.75	2.185	318.8	182.5470487
2.02	326.1	164.946271	25.77	2.544	322.7	172.3538995
1.974	333.5	152.5604335	25.73	2.21	332.8	153.5442409
2.073	310.4	183.0874794	25.82	2.524	306.3	173.3161361
1.87	310.9	184.4211537	25.84	2.384	309.5	180.7691609
1.565	311.7	186.6257896	25.89	1.986	309.6	181.0216499
1.909	331.3	155.7749165	26.02	2.335	331.8	155.0123664
2.214	329.6	158.5161218	26.08	2.77	329	159.540656
2.031	326	165.1468514	26	2.743	323.2	171.184873
2.331	323.2	171.184873	25.85	3.18	321.3	175.7860767
1.752	321.8	174.5327325	25.76	2.153	318	184.8977039
1.697	313.8	195.7142115	25.82	2.107	309.3	180.2679334
1.992	321.2	176.0405229	25.98	2.351	317	187.9748679
1.928	301.1	163.4605101	26.1	2.633	299.7	161.2161624
2.466	314.3	195.7142115	26.04	3.025	311.4	185.7886529
1.801	327	163.184934	26.05	2.306	322.1	173.7955882
1.894	316.6	189.2509084	26.07	2.391	314.7	195.6900033
2.206	300.2	161.9995159	26.08	2.843	298.7	159.7081601
2.322	297.9	158.5564148	25.92	2.973	297.2	157.5872152
1.707	301.2	163.6269725	25.85	2.334	301.6	164.3012465
1.533	310.1	182.3031224	25.92	1.876	311.4	185.7886529
1.857	312.7	189.5095215	26	2.385	311.7	186.6257896
2.264	311.7	186.6257896	26.03	2.793	310	182.0442679
2.071	336.5	148.729472	26.01	2.555	335.8	149.5695304
2.058	336.6	148.6120398	26	2.771	332.8	153.5442409
2.302	301.2	163.6269725	25.99	3.041	298	158.6977847
2.104	301.9	164.8158999	25.93	2.801	303.4	167.507983
2.203	320.6	177.5942369	25.91	2.648	321.7	174.7809062
2.316	317.6	186.1096044	25.87	2.711	315.2	193.9326112
1.958	314.3	195.7142115	25.96	2.378	313.8	195.7142115
2.145	309.4	180.5179243	26.14	2.836	307.7	176.4322033
1.61	306.4	173.5316387	26.08	1.837	306.8	174.4043676
1.229	311.4	185.7886529	26.22	1.717	307.6	176.202409
1.799	300.7	162.802978	26.27	2.361	302.2	165.3383346
1.98	304.2	169.0279442	26.15	2.342	302.6	166.0471971
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1.822	315.6	192.5597384	26.15	2.396	316.6	189.2509084
2.32	318.9	182.2598979	26.1	2.797	318.1	184.5985921

25.6	2.434	311.2	185.2375331	180.8487252	Yes
25.73	2.675	316.6	189.2509084	186.653449	Yes
25.7	2.609	308.5	178.312062	179.3161387	Yes
25.76	2.764	322.3	173.3102392	179.4430137	Yes
25.58	2.108	321.9	174.2857928	181.2836698	Yes
25.77	2.405	322.7	172.3538995	175.1803126	Yes
25.86	1.649	315.7	192.2210107	186.1361578	Yes
25.92	3.066	324	169.3736382	174.3934027	No
25.81	3.189	339.8	145.1792559	146.1899824	No
25.86	3.492	340.4	144.6028841	145.9383352	No
25.63	3.738	331.4	155.6208578	157.1797083	No
25.62	2.543	324.2	168.9319213	168.6481082	No
25.64	3.097	326.7	163.7633675	164.2771512	No
25.6	2.969	335.4	150.0639356	151.6462005	No
25.7	2.981	310.4	183.0874794	186.9580096	Yes
25.71	2.875	312.4	188.6290418	178.8230168	Yes
25.77	2.386	312.5	188.9210494	179.2618197	Yes
25.93	2.784	332.6	153.8318952	152.1231596	No
25.93	3.275	334.8	150.8255466	157.4151937	No
25.86	3.169	327.2	162.8040494	163.9122615	No
25.7	3.63	324.7	167.8465446	164.7936927	No
25.63	2.589	322.7	172.3538995	180.282665	Yes
25.72	2.682	316.5	189.5740787	186.7200595	Yes
25.88	2.817	323.7	170.0444603	176.371036	Yes
26	2.936	305.2	171.014516	166.9176163	No
25.89	3.645	315.4	193.2425592	187.5721485	Yes
25.91	2.942	328.9	159.7144084	165.027914	No
25.94	2.815	320	179.1954466	188.3253295	Yes
25.96	3.172	304.6	169.810806	168.8199505	No
25.79	3.411	303.5	167.6946976	163.4829263	No
25.73	2.778	309.9	181.7867003	170.2815912	No
25.8	2.25	315.3	193.5866754	179.7115781	Yes
25.88	2.877	316.2	190.5537426	181.6488384	Yes
25.89	3.242	315.4	193.2425592	186.8297891	Yes
25.88	3.137	338.8	146.1859844	147.7728982	No
25.87	3.226	336.6	148.6120398	150.4577477	No
25.85	3.534	300.8	162.9661204	167.622033	No
25.8	3.338	307.6	176.202409	169.2541292	No
25.79	3.388	324.4	168.49455	171.4180428	No
25.75	3.387	319.3	181.1257634	186.1458541	Yes
25.87	2.867	318.3	184.0049395	189.5029612	Yes
26.05	3.145	313.8	195.7142115	181.7122265	Yes
25.95	2.315	310.5	183.3515534	174.7593006	No
26.12	1.747	316.3	190.2254851	182.6670922	Yes
26.13	2.768	305.2	171.014516	166.9160535	No
26	3.03	307.1	175.0703199	174.4765865	No
25.95	2.975	302.8	166.4069628	166.5354721	No
25.9	2.897	347.1	139.4714437	142.2849282	No
25.87	3.048	341.1	143.9560723	145.8307092	No
26.01	2.838	321.6	175.0303206	186.6173928	Yes
25.95	3.301	319.5	180.5672593	176.6189574	Yes

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328	161.3176459	26.62
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339.8	145.1792559	26.26
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339.9	145.0817692	26.58
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358.2	135.5960285	26.23
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345.7	140.355632	26.57
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343.1	142.25535	27.09
333.4	152.6988115	26.96
340.9	144.1380905	26.82
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339.6	145.3759529	26.86
332.6	153.8318952	26.68
334.4	151.3468538	26.36
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346.1	140.0933217	26.2
340.9	144.1380905	26.44

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1.458	339
1.09	350.2
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2.126	350.5
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1.577	353.2
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1.164	338.9
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135.5057746	26.15

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1.914	308.8	179.0364331	26.23	2.31	306	172.6759748
1.834	310.9	184.4211537	26.26	2.302	310.5	183.3515534
2.361	323.5	170.4972397	26.24	2.846	323.5	170.4972397
2.087	319	181.9742025	26.1	2.669	317.9	185.1983516
2.155	324.4	168.49455	26.06	2.662	322.5	172.8296935
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1.369	327.9	161.5002424	26.15	1.993	325	167.2080708
2.08	328.7	160.0645165	26.21	2.628	329.5	158.684756
2.254	345.9	140.2234999	26.07	2.693	341.6	143.5106627
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1.558	327.1	162.994021	25.8	1.771	328.1	161.1359522
1.606	345.6	140.4224336	25.9	2.092	344.5	141.1899582
1.877	338.8	146.1859844	26.13	2.426	338.9	146.0826775
2.048	337.4	147.6953406	26.17	2.537	340	144.9848547
2.089	342.4	142.8262379	26.24	2.539	345.7	140.355632
1.934	352.1	137.0589052	26.2	2.609	350.8	137.577514
1.937	344.3	141.3360215	26.16	2.377	344.4	141.262737
1.956	327.6	162.0534901	26.15	2.475	326.7	163.7633675
1.775	337.5	147.5835656	26.08	2.122	335.7	149.6921424
1.019	346.3	139.9650888	26.09	1.376	348	138.952495
0.981	0.255	135.4540829	26.23	1.192	1.876	135.4651536
1.874	332.5	153.9768314	26.39	2.525	335.9	149.4475739
2.088	339.2	145.7762909	26.36	2.594	337.6	147.4724086
2.106	351.6	137.249547	26.3	2.703	351.7	137.21054
1.812	3.893	135.6305107	26.23	2.439	1.812	135.4626603
2.195	2.796	135.5196932	26.27	2.566	1.581	135.4550677
2.322	351	137.4928614	26.14	3.161	347.5	139.23608
1.862	335.1	150.441715	25.9	2.247	337.3	147.8077356
1.527	330	157.8499471	25.75	2.058	329.1	159.3677662
1.292	353.8	136.4921301	25.79	1.486	350.3	137.796957
2.109	329.8	158.1813694	26.03	2.54	329.4	158.8542338
2.057	353.1	136.7103661	26.15	2.41	351.8	137.171973
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2.554	340.1	144.8885107	26.37	3.216	340.3	144.6975271
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1.7	342.7	142.5784051	26.26	2.233	342.1	143.0788632
1.997	345.7	140.355632	26.34	2.616	346.5	139.8387928
2.581	342.3	142.9099119	26.17	3.17	342	143.1641434
1.949	345.5	140.4897269	25.87	2.384	345.3	140.6257933
2.009	344.4	141.262737	25.76	2.746	342.2	142.9941199
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1.687	351.7	137.21054	25.85	1.928	351.8	137.171973
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25.92	2.529	311.4	185.7886529	187.2929148	Yes
26.07	2.83	310.5	183.3515534	173.2304463	No
26.09	2.836	312.1	187.7618297	182.4019735	Yes
26.1	2.813	313.4	191.6169031	180.655969	Yes
26.08	3.473	327.9	161.5002424	168.0749679	No
25.93	3.279	321.2	176.0405229	179.0146493	Yes
25.91	3.291	327.3	162.6150149	167.0196951	No
25.92	2.968	339.6	145.3759529	156.678262	No
26.04	2.205	330.8	156.5569873	163.3131182	No
26.06	3.196	333.7	152.2858181	157.6271583	No
25.92	3.309	343.2	142.1758963	142.9553464	No
25.72	2.381	337.6	147.4724086	153.1878206	No
25.71	2.286	331.5	155.4675767	156.2220375	No
25.82	2.411	350.6	137.6639493	141.58078	No
26.04	2.921	344.2	141.4098131	147.2725331	No
26.06	2.888	343.8	141.7100752	145.2545557	No
26.13	3	348.8	138.5230334	139.9172439	No
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26.01	2.8	348.1	138.8971847	140.8939802	No
26	2.873	330.9	156.3989918	156.0192999	No
25.92	2.598	339.6	145.3759529	147.0843595	No
25.94	1.485	351.6	137.249547	139.4693645	No
26.11	1.421	359.8	135.4704656	136.7530487	No
26.27	2.899	340.9	144.1380905	153.3193754	No
26.18	3.118	343	142.3353263	145.6173285	No
26.11	3.252	355.1	136.1424529	137.1114581	No
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26.19	2.964	352.3	136.9857152	141.2016144	No
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7/30/2019	15:18	26.22	0.387
7/30/2019	15:19	26.3	0.507
7/30/2019	15:20	26.36	0.299
7/30/2019	15:21	26.46	0.406
7/30/2019	15:22	26.46	0.42
7/30/2019	15:23	26.47	0.403
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1.533	1.655
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1.488	11.56
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1.279	356.1	135.9221983	26.43	1.778	354	136.4336422
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2.122	344.7	141.0459134	26.21	2.655	346.6	139.7763685
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1.805	359.4	135.4919297	25.81	2.337	358.8	135.5365272
1.546	345.8	140.2893212	25.93	1.967	347.9	139.008273
1.896	358.5	135.564413	26.07	2.261	357.3	135.7132992
1.407	344.9	140.9038772	26.15	1.84	348.6	138.6276173
1.557	343.2	142.1758963	26.28	1.907	344.1	141.484113
1.799	349.2	138.3193881	26.22	2.133	350.5	137.7078372
1.841	338.9	146.0826775	26.17	2.233	339.8	145.1792559
1.437	338.1	146.9258206	26.19	1.789	341.5	143.5986496
1.489	350.2	137.8421902	26.18	1.708	348.8	138.5230334
1.618	345.7	140.355632	26.17	1.978	344.5	141.1899582
1.245	335.4	150.0639356	26.04	1.459	333.2	152.9777221
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1.345	329.1	159.3677662	26.16	1.69	327.5	162.2397397
1.322	328.6	160.24088	26.3	1.951	328.9	159.7144084
1.701	323	171.6490075	26.23	2.18	326.6	163.9580918
1.696	329.8	158.1813694	26.18	2.233	330	157.8499471
1.532	328.8	159.8890273	26.16	1.92	332.4	154.1225109
1.307	317.8	185.5005447	26.23	1.531	321.2	176.0405229
1.66	315.3	193.5866754	26.07	2.44	315	194.6299891
1.647	318.8	182.5470487	25.69	2.321	320.6	177.5942369
1.55	329.6	158.5161218	25.51	1.744	330.6	156.8753741
1.44	352.2	137.0220917	25.56	1.644	353.6	136.5523328
1.322	349.8	138.0276292	25.85	1.634	349.1	138.3696112
1.386	346.2	140.0289626	26.25	1.819	344.3	141.3360215
1.388	346.8	139.6529623	26.43	1.865	348.5	138.6806025
1.348	357.7	135.6570213	26.54	1.63	354.1	136.4050401
1.554	3.172	135.5520591	26.48	2.154	2.863	135.5250321
1.558	357.5	135.6843278	26.23	2.218	358.8	135.5365272
1.931	352.9	136.7766005	26.06	2.258	355.7	136.0052434
1.827	348	138.952495	26.06	2.302	349.9	137.9805921
1.267	14.8	139.5314724	26.1	1.563	8.88	136.7698991
2.018	10.09	137.2066635	26.1	2.262	8.47	136.636333
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1.976	341.3	143.7762629	25.86	2.695	339.6	145.3759529
2.061	334.2	151.6116385	25.47	2.698	334	151.8792052
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26.18	2.907	11.12	137.6291609	136.3479056	No
26.18	2.56	11.66	137.869546	136.6534821	No
26.36	2.266	357.7	135.6570213	137.1151044	No
26.36	2.789	355.8	135.9838512	137.3804963	No
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25.65	2.444	356.4	135.8643244	138.7228598	No
25.8	2.759	359.3	135.4983288	135.4813082	No
25.91	2.458	350	137.9340071	139.140057	No
26.04	2.708	359.4	135.4919297	135.8839131	No
26.12	2.171	353.7	136.5220169	140.2267955	No
26.24	2.478	348.9	138.471433	142.5646488	No
26.16	2.572	353	136.743267	138.1639413	No
26.13	2.565	344.8	140.9746448	148.1518616	No
26.15	2.185	345	140.8336095	145.347965	No
26.14	2.257	353.4	136.6142539	138.3468498	No
26.13	2.581	348.3	138.7879636	140.0336209	No
26.04	1.849	339.4	145.5749597	148.0814446	No
26.03	2.215	342.1	143.0788632	146.2186391	No
26.12	1.909	334	151.8792052	157.735437	No
26.26	2.037	335.7	149.6921424	154.4759873	No
26.18	2.544	330.5	157.0357721	164.184559	No
26.1	2.667	332.1	154.5640391	155.2366168	No
26.08	2.234	336.1	149.2056183	155.7388065	No
26.18	1.815	326.5	164.1537804	176.3111125	Yes
26.01	2.597	320	179.1954466	188.6456188	Yes
25.66	2.647	326.1	164.946271	179.3855323	Yes
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25.49	2.358	318.5	183.4173207	190.8064602	Yes
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25.76	2.12	322.9	171.8828066	180.2845601	Yes
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7/30/2019	17:20	26.95	0.253
7/30/2019	17:21	26.99	0.259
7/30/2019	17:22	27.09	0.271
7/30/2019	17:23	27.1	0.298
7/30/2019	17:24	27.05	0.221
7/30/2019	17:25	27.17	0.176
7/30/2019	17:26	27.23	0.308
7/30/2019	17:27	27.28	0.221
7/30/2019	17:28	27.26	0.367
7/30/2019	17:29	27.23	0.448
7/30/2019	17:30	27.22	0.222
7/30/2019	17:31	27.24	0.389
7/30/2019	17:32	27.18	0.408
7/30/2019	17:33	27.15	0.509
7/30/2019	17:34	26.98	0.372
7/30/2019	17:35	26.87	0.418
7/30/2019	17:36	26.86	0.296
7/30/2019	17:37	26.9	0.374
7/30/2019	17:38	26.88	0.337
7/30/2019	17:39	26.76	0.353
7/30/2019	17:40	26.49	0.39
7/30/2019	17:41	26.24	0.2

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346.5	139.8387928	26.08
348.7	138.5750946	26.13
335.5	149.9393426	26.15
333.1	153.1182603	26.13
330.6	156.8753741	26.1
343.8	141.7100752	26.01
343.3	142.096964	26.02
8.48	136.6395044	26.12
5.663	135.9148564	26.17
355.9	135.9628798	26.15
360	135.4622116	26.07
1.676	135.4579236	25.88
354.9	136.1915717	25.76
1.549	135.4541896	25.74
8.92	136.7833191	25.88
15.57	140.0097496	26.12
15.75	140.1256835	26.31
8.07	136.5130058	26.4
347.6	139.1784222	26.5
1.907	135.466422	26.61
345.7	140.355632	26.84
352.8	136.810367	27.05
350.6	137.6639493	27.18
349.1	138.3696112	27.2
347.9	139.008273	27.31
332.5	153.9768314	27.43
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7.497	136.3482917	27.54
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326	165.1468514	27.67
350.5	137.7078372	27.82
353.1	136.7103661	27.85
331.8	155.0123664	27.76
323.9	169.5961403	27.89
8.23	136.5615113	27.98
342.9	142.4158267	28.05
6.402	136.0724057	28.06
3.986	135.6422009	28.01
7.995	136.4906471	28
9.35	136.9319684	28.05
7.041	136.2272197	27.95
19.11	142.5865894	27.84
9.24	136.8931771	27.58
9.95	137.1528542	27.47
12.29	138.1666004	27.53
1.237	135.4478429	27.72
11.56	137.824043	27.76
27.84	151.9330542	27.64
28.41	152.7126887	27.16
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0.924	330.3
0.94	337.3
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1.051	9.28
1.004	8.37
1.252	6.987
1.259	11.91
1.188	5.349
1.09	3.583
1.057	13.62
0.956	18.12
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1.232	9.54
1.275	349.4
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0.728	339
1.059	349.8
1.096	350.5
1.071	342.5
0.705	340.1
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0.796	351.9
0.892	342.9
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0.755	7.254
0.659	353.5
0.87	358.7
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0.622	356
0.825	13.62
0.957	13.69
0.935	23.54
1.084	24.53
1.017	17.11
0.712	10.13
0.655	11.22
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0.803	37.6
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0.62	35.41

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161.1359522	25.9
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187.6599662	25.97
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147.8077356	25.81
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136.9072221	25.99
136.604856	25.98
136.2134676	25.9
137.9852755	25.73
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135.5941372	25.6
138.8532726	25.76
141.8017519	26.01
146.8076122	26.16
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138.2203136	26.27
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137.7078372	26.68
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142.4158267	26.99
190.8837175	26.89
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136.2826719	27.08
136.5830783	27.14
135.5454083	27.13
135.8506289	27.08
135.9423289	27.07
138.8532726	27.11
138.8916794	27.02
146.7541227	26.92
147.8415753	26.72
141.0530678	26.64
137.2221959	26.71
137.6726911	26.86
146.9473917	26.89
168.9319213	26.76
180.428514	26.39
164.3701571	26.07

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1.395	325.3	166.5789856	25.81	1.656	323.9	169.5961403
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1.392	316.9	188.2914027	25.88	1.868	317	187.9748679
1.19	318.1	184.5985921	25.85	1.598	317.1	187.6599662
1.351	319.8	179.7400211	25.81	1.454	319.6	180.290119
1.195	330	157.8499471	25.72	1.465	332	154.712722
1.126	336.4	148.8475437	25.73	1.441	339.8	145.1792559
1.088	11.13	137.6334938	25.84	1.445	7.027	136.2236424
1.18	10.03	137.1834969	25.91	1.527	3.631	135.5995083
1.197	5.072	135.805364	25.91	1.435	4.285	135.682222
1.365	4.876	135.7722791	25.84	1.926	5.222	135.8317688
1.375	11.93	137.9946557	25.71	1.924	9.59	137.0184344
1.327	5.798	135.9419222	25.6	1.662	5.126	135.8147613
1.36	2.553	135.5018879	25.59	1.584	2.527	135.5001274
1.285	10.55	137.3895444	25.74	1.613	12.69	138.3645683
1.389	18.19	141.8555722	25.96	1.585	15.98	140.2761178
1.457	21.74	144.92698	26.09	1.891	18.52	142.1127088
1.507	6.599	136.1182914	26.14	1.954	7.131	136.250415
1.6	346.7	139.7144254	26.17	2.072	351.3	137.3692134
1.065	6.342	136.058756	26.22	1.305	4.101	135.6571537
1.056	342.5	142.7430964	26.36	1.267	343.9	141.6342428
1.399	350	137.9340071	26.46	1.699	347	139.5314724
1.417	347.7	139.1212357	26.5	1.73	347.1	139.4714437
1.438	342.8	142.4968525	26.47	1.668	341.4	143.6871825
1.073	343.8	141.7100752	26.5	1.315	341.2	143.8658923
1.43	328	161.3176459	26.55	1.755	325.9	165.3484246
1.196	333.5	152.5604335	26.54	1.392	330.9	156.3989918
1.167	345	140.8336095	26.59	1.512	345.2	140.6945686
1.277	331.9	154.8621634	26.63	1.491	331.2	155.9297559
0.991	331.4	155.6208578	26.65	1.213	325.6	165.9591491
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1.224	338.4	146.6051528	26.74	1.424	337.2	147.9207527
1.262	316.1	190.8837175	26.63	1.543	316.3	190.2254851
0.774	325.8	165.5509953	26.74	0.963	320.7	177.3320297
0.898	4.613	135.7304048	26.79	1.164	3.443	135.5790176
0.855	351.5	137.2889944	26.86	1.093	347.3	139.3528135
1.155	354.8	136.2167669	26.87	1.377	355	136.1668004
1.058	3.834	135.6232806	26.81	1.282	2.047	135.4726449
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1.112	5.941	135.9714272	26.82	1.295	7.671	136.3968255
1.254	8.89	136.7732476	26.74	1.577	14.82	139.5435354
1.451	19.09	142.5702261	26.66	1.677	19.26	142.7099886
1.252	19.99	143.3276602	26.49	1.685	20	143.3363204
1.254	14.31	139.2418717	26.42	1.549	12.39	138.2154078
0.966	9.68	137.0515075	26.48	1.081	11.66	137.869546
0.813	16.35	140.5235583	26.63	0.961	8.87	136.766555
0.965	25.15	148.5535628	26.67	1.236	24.33	147.6170331
1.075	31.69	157.6690739	26.54	1.287	32.34	158.7524457
1.136	37.8	169.3736382	26.24	1.461	33.61	160.9731962
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25.75	1.619	343.2	142.1758963	142.7785366	No
25.83	1.825	327.5	162.2397397	159.2874677	No
25.87	2.207	324.3	168.7126952	162.6820677	No
25.87	2.056	323	171.6490075	178.4663948	Yes
25.84	1.74	324	169.3736382	177.4938527	Yes
25.8	1.914	323	171.6490075	173.3646908	No
25.73	1.789	336	149.3262707	152.9079347	No
25.74	1.553	343.9	141.6342428	145.9828748	No
25.85	1.634	10.81	137.4970517	137.0555396	No
25.92	1.643	7.347	136.3074886	136.4012709	No
25.93	1.673	11.54	137.8149963	136.0138305	No
25.87	2.19	10.22	137.2574012	135.8199318	No
25.76	2.14	14.05	139.0928189	137.1140723	No
25.66	2.142	8.67	136.7005801	135.9507791	No
25.66	1.996	6.246	136.0372324	135.5125855	No
25.8	1.766	14.98	139.6407272	137.8476761	No
26	1.966	22.58	145.7560527	140.9857979	No
26.11	2.304	21.34	144.5463689	143.4932461	No
26.15	2.433	7.235	136.2776471	136.4704814	No
26.18	2.381	358.1	135.6073966	138.6205936	No
26.23	1.577	9.28	136.9072221	135.7300409	No
26.35	1.506	348.8	138.5230334	142.678233	No
26.41	2.078	350.2	137.8421902	138.0758689	No
26.45	2.089	352.7	136.8445673	138.4911165	No
26.43	2.011	345.8	140.2893212	141.8241857	No
26.45	1.759	345	140.8336095	142.3681878	No
26.47	2.133	330.7	156.7157803	161.1991706	No
26.46	1.78	335.3	150.1891937	152.059219	No
26.52	1.616	347.4	139.2942101	139.0741906	No
26.55	1.903	335.5	149.9393426	152.9879477	No
26.55	1.375	330.8	156.5569873	162.9684274	No
26.63	1.514	358.1	135.6073966	137.9275539	No
26.65	1.743	341.4	143.6871825	143.4130246	No
26.54	1.711	319.2	181.4071437	181.7513216	Yes
26.67	1.029	325.4	166.3713526	174.3442173	No
26.71	1.367	5.878	135.9583225	136.0384014	No
26.78	1.289	348.8	138.5230334	138.9101782	No
26.78	1.647	0.094	135.4589028	136.0003453	No
26.69	1.729	3.787	135.6176244	135.6471888	No
26.67	1.177	3.359	135.570336	135.9099892	No
26.72	1.64	13.04	138.5438026	137.0383734	No
26.66	1.884	13.08	138.5646455	137.8589205	No
26.59	2.243	19.72	143.0958763	143.6552317	No
26.42	2.024	20.7	143.9560723	142.8496832	No
26.35	1.879	13.16	138.6065528	138.9158004	No
26.44	1.257	16.77	140.8126264	137.5774624	No
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26.61	1.404	27.08	150.9289325	145.2355076	No
26.51	1.603	31.61	157.5381542	159.3216238	No
26.23	1.657	33.35	160.5070733	165.8720093	No
25.99	1.086	25.65	149.1455355	151.9591736	No

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7/30/2019	17:43	25.92	0.259
7/30/2019	17:44	25.71	0.371
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7/30/2019	17:46	25.36	0.193
7/30/2019	17:47	25.26	0.095
7/30/2019	17:48	25.19	0.135
7/30/2019	17:49	25.09	0.212
7/30/2019	17:50	25.04	0.218
7/30/2019	17:51	24.98	0.178
7/30/2019	17:52	24.97	0.29
7/30/2019	17:53	25.1	0.288
7/30/2019	17:54	25.33	0.305
7/30/2019	17:55	25.59	0.278
7/30/2019	17:56	25.78	0.342
7/30/2019	17:57	25.87	0.312
7/30/2019	17:58	25.88	0.202
7/30/2019	17:59	25.93	0.124
7/30/2019	18:00	25.99	0.211
7/30/2019	18:01	26.06	0.236
7/30/2019	18:02	26.02	0.356
7/30/2019	18:03	25.8	0.328
7/30/2019	18:04	25.5	0.318
7/30/2019	18:05	25.23	0.244
7/30/2019	18:06	25.08	0.18
7/30/2019	18:07	25.11	0.351
7/30/2019	18:08	25.17	0.183
7/30/2019	18:09	25.31	0.387
7/30/2019	18:10	25.49	0.278
7/30/2019	18:11	25.71	0.178
7/30/2019	18:12	25.94	0.263
7/30/2019	18:13	26.09	0.207
7/30/2019	18:14	26.17	0.219
7/30/2019	18:15	26.13	0.173
7/30/2019	18:16	26.05	0.183
7/30/2019	18:17	25.9	0.229
7/30/2019	18:18	25.71	0.247
7/30/2019	18:19	25.5	0.163
7/30/2019	18:20	25.35	0.171
7/30/2019	18:21	25.25	0.178
7/30/2019	18:22	25.15	0.172
7/30/2019	18:23	25.09	0.211
7/30/2019	18:24	25.06	0.27
7/30/2019	18:25	24.99	0.215
7/30/2019	18:26	24.92	0.131
7/30/2019	18:27	24.85	0.155
7/30/2019	18:28	24.79	0.208
7/30/2019	18:29	24.73	0.168
7/30/2019	18:30	24.72	0.188
7/30/2019	18:31	24.78	0.207
7/30/2019	18:32	24.92	0.157

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338.4	146.6051528	25.66
333.4	152.6988115	25.99
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342.5	142.7430964	26.87
347.3	139.3528135	26.96
343.4	142.0185516	27.08
341.6	143.5106627	26.99
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359.4	135.4919297	26.18
350	137.9340071	25.77
331.6	155.3150699	25.53
350.4	137.7521729	25.62
349.1	138.3696112	25.84
350.6	137.6639493	26.12
345.7	140.355632	26.42
352.3	136.9857152	26.83
331.4	155.6208578	27.13
337.3	147.8077356	27.39
344.5	141.1899582	27.58
353.5	136.5830783	27.54
350.4	137.7521729	27.35
343.8	141.7100752	27.05
351.7	137.21054	26.7
344.8	140.9746448	26.36
351.5	137.2889944	26.1
340.8	144.2299319	25.94
350.5	137.7078372	25.82
342.7	142.5784051	25.76
348	138.952495	25.73
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350.3	137.796957	25.56
342.1	143.0788632	25.47
344.1	141.484113	25.35
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339	145.9799608	25.34
321.7	174.7809062	25.55

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0.608	2.211
0.449	358.4
0.431	314.3
0.487	315.1
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0.818	323.6
0.756	323.9
0.785	334.6
0.832	322.6
1.099	320.7
0.82	315.2
0.929	326.7
0.892	334.3
0.659	327.4
0.601	322.4
0.603	331
0.674	329.6
0.974	331.7
1.109	341.8
0.879	350.4
0.721	336.1
0.692	336.7
0.968	349
0.599	341
0.767	348
0.732	327.6
0.639	325
0.735	328.9
0.385	335.3
0.458	343
0.386	352.5
0.509	341.6
0.764	340.6
0.579	335.9
0.6	327.7
0.399	333.2
0.42	333.1
0.49	331.1
0.656	327.7
0.69	335.8
0.821	335
0.507	329.1
0.616	330.6
0.759	322.1
0.821	325.2
0.666	323.7
0.901	320.3
0.861	314.5

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166.7876462	25.23
170.2702897	25.19
169.5961403	25.13
151.0848301	25.13
172.5912057	25.3
177.3320297	25.59
193.9326112	25.91
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151.4788997	26.21
162.4269132	26.21
173.0693692	26.24
156.2417902	26.29
158.5161218	26.36
155.1633342	26.27
143.3363204	25.96
137.7521729	25.59
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167.2080708	26.19
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142.3353263	26.69
136.9142707	26.67
143.5106627	26.5
144.4152874	26.23
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152.9777221	25.46
153.1182603	25.34
156.0853794	25.25
161.8681603	25.21
149.5695304	25.21
150.5689831	25.19
159.3677662	25.1
156.8753741	25.03
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166.7876462	24.86
170.0444603	24.87
178.3888034	24.97
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0.985	11.23	137.6770687	25.82	1.193	9.24	136.8931771
1.093	360	135.4622116	25.7	1.338	3.174	135.5522469
0.819	5.123	135.814236	25.57	1.051	2.205	135.4806402
0.626	0.058	135.4601269	25.42	0.795	0.895	135.4455005
0.613	323.2	171.184873	25.38	0.745	323.2	171.184873
0.67	324.6	168.0614801	25.37	0.804	322.1	173.7955882
0.979	328.7	160.0645165	25.27	1.251	327.3	162.6150149
1.075	328.6	160.24088	25.2	1.271	324.8	167.6326681
0.969	325.9	165.3484246	25.13	1.053	325.3	166.5789856
1.161	331.6	155.3150699	25.11	1.213	331.1	156.0853794
1.187	322.5	172.8296935	25.23	1.395	322.6	172.5912057
1.417	320.9	176.811543	25.48	1.749	322.8	172.1177686
1.216	321.6	175.0303206	25.77	1.418	319.9	179.4670474
1.388	328.7	160.0645165	25.96	1.543	326.7	163.7633675
1.213	338.5	146.4994658	26.02	1.429	338.7	146.2898835
0.855	326.7	163.7633675	26.03	1.086	327.4	162.4269132
0.793	325.8	165.5509953	26.05	1.065	325.5	166.1647422
0.891	336.1	149.2056183	26.08	1.053	336.1	149.2056183
1.005	327.5	162.2397397	26.14	1.263	326.7	163.7633675
1.344	333.7	152.2858181	26.05	1.666	332.7	153.6876994
1.246	340.9	144.1380905	25.79	1.618	340.4	144.6028841
1.068	350.9	137.5349652	25.48	1.306	348.9	138.471433
0.882	334	151.8792052	25.2	1.049	334.5	151.2154981
0.938	336.7	148.4952449	25.04	1.12	339.5	145.4751667
1.081	348	138.952495	25.16	1.451	348.6	138.6276173
0.704	344.5	141.1899582	25.32	0.963	345.6	140.4224336
1.075	339	145.9799608	25.53	1.218	342.8	142.4968525
0.953	332.5	153.9768314	25.74	1.166	330.9	156.3989918
0.831	325.6	165.9591491	25.98	1.099	323.2	171.184873
1.058	326.8	163.5696028	26.16	1.205	326.2	164.7466785
0.693	336.1	149.2056183	26.28	0.743	333.2	152.9777221
0.668	342.2	142.9941199	26.37	0.833	337.2	147.9207527
0.545	356.7	135.8102214	26.37	0.689	353.6	136.5523328
0.757	344.2	141.4098131	26.22	0.888	341	144.0468045
0.863	337.9	147.1426245	25.99	1.173	338	147.0339187
0.925	339.4	145.5749597	25.77	0.973	332.7	153.6876994
0.798	330.8	156.5569873	25.53	1.034	333.5	152.5604335
0.588	333.4	152.6988115	25.33	0.752	335.5	149.9393426
0.597	334.8	150.8255466	25.22	0.742	330.1	157.6854758
0.557	337	148.1486618	25.12	0.861	332.8	153.5442409
0.904	331.9	154.8621634	25.07	1.062	331.7	155.1633342
0.956	335.7	149.6921424	25.09	1.168	336.3	148.9662571
0.884	333.8	152.1495751	25.08	1.237	335	150.5689831
0.596	332.5	153.9768314	25	0.742	329.8	158.1813694
0.676	328.3	160.7752562	24.92	0.982	329.3	159.0245589
0.92	325.8	165.5509953	24.85	1.132	323.9	169.5961403
1.014	325.4	166.3713526	24.8	1.152	325.5	166.1647422
0.866	330.6	156.8753741	24.81	0.915	325.3	166.5789856
1.139	318.7	182.8356637	24.88	1.399	318.1	184.5985921
1.138	316.1	190.8837175	25.06	1.332	312.9	190.1039947

25.89	1.253	15.84	140.1842417	140.839172	No
25.87	1.484	15.57	140.0097496	136.883452	No
25.78	1.689	3.841	135.6241308	135.9396874	No
25.69	1.219	7.3	136.2949008	136.0661289	No
25.54	1.01	3.927	135.6347429	135.4814171	No
25.53	0.921	330.1	157.6854758	178.8031003	Yes
25.49	0.997	330.3	157.3589946	170.5550311	No
25.39	1.48	331.6	155.3150699	163.2109927	No
25.29	1.482	331.6	155.3150699	161.0054176	No
25.19	1.355	328.9	159.7144084	161.8503458	No
25.16	1.623	333.9	152.0140384	149.8587636	No
25.25	1.644	325.5	166.1647422	166.1543144	No
25.51	1.923	327.7	161.8681603	169.7400382	No
25.76	1.641	326	165.1468514	174.7817263	No
25.94	1.967	329.2	159.1957351	157.8196085	No
26.02	1.69	343	142.3353263	145.8616678	No
26.04	1.237	332	154.712722	157.451788	No
26.05	1.168	331.6	155.3150699	161.8820507	No
26.09	1.249	338.5	146.4994658	148.5014601	No
26.15	1.401	333.4	152.6988115	156.6344451	No
26.05	1.98	336.7	148.4952449	151.1618786	No
25.81	1.866	343.2	142.1758963	142.1135401	No
25.55	1.57	352.7	136.8445673	137.3126252	No
25.3	1.417	336.7	148.4952449	147.5585822	No
25.15	1.403	342.3	142.9099119	149.4451816	No
25.28	1.631	353.2	136.6778973	138.4381444	No
25.43	1.076	350	137.9340071	141.0072019	No
25.64	1.344	344.8	140.9746448	141.2733144	No
25.83	1.207	339.4	145.5749597	153.1962363	No
26.06	1.208	324.4	168.49455	160.334452	No
26.2	1.445	330.3	157.3589946	160.9128869	No
26.33	0.92	335.2	150.3151193	150.0450674	No
26.42	0.899	343.6	141.8632814	143.6100393	No
26.42	0.844	359.8	135.4704656	136.4649758	No
26.27	1.124	346.9	139.5919783	141.6798633	No
26.04	1.398	342.7	142.5784051	145.0754764	No
25.83	1.19	341.7	143.4232201	146.4801933	No
25.59	1.216	339.5	145.4751667	152.9900565	No
25.4	1	340.6	144.4152874	148.2262177	No
25.31	0.868	336.5	148.729472	151.4648036	No
25.21	0.899	341.2	143.8658923	148.8715298	No
25.14	1.302	337.4	147.6953406	153.6180157	No
25.17	1.407	338.6	146.3943767	146.7951062	No
25.18	1.425	338.1	146.9258206	147.7270124	No
25.07	0.956	332.5	153.9768314	152.330731	No
24.98	1.106	333.2	152.9777221	154.9385131	No
24.94	1.306	327	163.184934	162.6067092	No
24.9	1.447	327.9	161.5002424	160.9347571	No
24.9	1.251	332.6	153.8318952	160.18769	No
24.98	1.569	320.9	176.811543	172.950755	No
25.16	1.575	316.5	189.5740787	187.8707075	Yes

7/30/2019	18:33	25.12	0.169
7/30/2019	18:34	25.35	0.239
7/30/2019	18:35	25.55	0.244
7/30/2019	18:36	25.68	0.242
7/30/2019	18:37	25.77	0.248
7/30/2019	18:38	25.82	0.202
7/30/2019	18:39	25.82	0.318
7/30/2019	18:40	25.74	0.251
7/30/2019	18:41	25.61	0.233
7/30/2019	18:42	25.44	0.259
7/30/2019	18:43	25.28	0.217
7/30/2019	18:44	25.15	0.213
7/30/2019	18:45	25.01	0.182
7/30/2019	18:46	24.89	0.119
7/30/2019	18:47	24.75	0.2
7/30/2019	18:48	24.6	0.155
7/30/2019	18:49	24.47	0.182
7/30/2019	18:50	24.34	0.201
7/30/2019	18:51	24.25	0.136
7/30/2019	18:52	24.27	0.114
7/30/2019	18:53	24.38	0.132
7/30/2019	18:54	24.57	0.118
7/30/2019	18:55	24.79	0.139
7/30/2019	18:56	24.99	0.17
7/30/2019	18:57	25.13	0.197
7/30/2019	18:58	25.2	0.166
7/30/2019	18:59	25.22	0.102
7/30/2019	19:00	25.28	0.091
7/30/2019	19:01	25.32	0.17
7/30/2019	19:02	25.36	0.137
7/30/2019	19:03	25.44	0.123
7/30/2019	19:04	25.5	0.156
7/30/2019	19:05	25.56	0.174
7/30/2019	19:06	25.62	0.128
7/30/2019	19:07	25.64	0.211
7/30/2019	19:08	25.65	0.149
7/30/2019	19:09	25.68	0.128
7/30/2019	19:10	25.71	0.138
7/30/2019	19:11	25.73	0.134
7/30/2019	19:12	25.73	0.092
7/30/2019	19:13	25.69	0.144
7/30/2019	19:14	25.6	0.11
7/30/2019	19:15	25.56	0.11
7/30/2019	19:16	25.57	0.129
7/30/2019	19:17	25.54	0.097
7/30/2019	19:18	25.54	0.111
7/30/2019	19:19	25.55	0.143
7/30/2019	19:20	25.53	0.225
7/30/2019	19:21	25.49	0.165
7/30/2019	19:22	25.44	0.112
7/30/2019	19:23	25.4	0.152

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331.7	155.1633342	26.73
341.8	143.3363204	26.83
335.1	150.441715	26.86
339.1	145.8778326	26.8
334.5	151.2154981	26.6
329.8	158.1813694	26.36
339.6	145.3759529	26.09
340.3	144.6975271	25.84
332.1	154.5640391	25.64
340	144.9848547	25.47
331.1	156.0853794	25.32
324.6	168.0614801	25.12
327.5	162.2397397	24.92
321.9	174.2857928	24.74
338.5	146.4994658	24.58
321.7	174.7809062	24.48
316.7	188.9294126	24.54
314.1	195.7142115	24.78
311	184.6919171	25.15
314.8	195.3347893	25.56
320.1	178.9252109	25.93
325.1	166.9973396	26.14
317.8	185.5005447	26.21
324.2	168.9319213	26.21
306.5	173.7482078	26.28
325.5	166.1647422	26.33
316.5	189.5740787	26.33
317.7	185.8042924	26.46
322.6	172.5912057	26.55
317.2	187.3466876	26.66
306.1	172.8883094	26.72
327.7	161.8681603	26.74
331.9	154.8621634	26.78
316.7	188.9294126	26.86
321.6	175.0303206	26.97
334.4	151.3468538	27.08
301.4	163.9624173	27.09
313.9	195.7142115	27.03
312.5	188.9210494	26.84
305.7	172.0452245	26.73
307.7	176.4322033	26.73
311.2	185.2375331	26.64
295.8	155.7529709	26.62
294.4	154.0518489	26.58
292.9	152.3697801	26.49
304	168.6422867	26.36
302.7	166.2266321	26.28
309	179.5253688	26.24

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0.809	316.2
0.756	316.4
0.78	320.5
0.861	320.4
0.886	320.3
1.056	325.3
1.128	324.6
1.04	321.6
0.97	321.3
0.93	319.9
0.885	316.7
0.879	320.5
0.701	318.5
1.039	316.7
0.957	315.6
1.156	317.8
1.077	320.7
0.916	316
0.765	317
0.712	314.8
0.601	313.8
0.685	309.3
0.647	318.1
0.828	321
0.727	320.5
0.497	314.3
0.36	319.2
0.679	319.2
0.648	317
0.628	313
0.628	319.9
0.646	311.1
0.77	310.2
0.782	323
0.609	320.2
0.604	317.3
0.298	327.7
0.51	330.9
0.572	317.7
0.735	320.1
0.552	316.3
0.507	316
0.621	309
0.555	307.3
0.528	301.7
0.588	301.6
0.823	292.2
0.707	303.2
0.625	305.3
0.722	306.5

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190.5537426	25.72
189.898934	25.97
177.8577632	26.09
178.1226162	26.14
178.3888034	26.13
166.5789856	26.07
168.0614801	25.91
175.0303206	25.71
175.7860767	25.49
179.4670474	25.3
188.9294126	25.17
177.8577632	25.06
183.4173207	24.94
188.9294126	24.8
192.5597384	24.64
185.5005447	24.51
177.3320297	24.39
191.2154206	24.32
187.9748679	24.36
195.3347893	24.57
195.7142115	24.86
180.2679334	25.19
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176.5532489	25.62
177.8577632	25.66
195.7142115	25.65
181.4071437	25.69
181.4071437	25.71
187.9748679	25.72
190.403504	25.81
179.4670474	25.88
184.9640411	25.97
182.5632711	26.02
171.6490075	26.02
178.6563324	26.04
187.035022	26.1
161.8681603	26.16
156.3989918	26.23
185.8042924	26.23
178.9252109	26.17
190.2254851	26
191.2154206	25.93
179.5253688	25.92
175.5198021	25.88
164.4719393	25.88
164.3012465	25.87
151.6326395	25.81
167.137323	25.75
171.2186266	25.68
173.7482078	25.63

1.191	316.4	189.898934	25.28	1.456	315.9	191.5488631
1.125	319.6	180.290119	25.51	1.308	313.5	191.9241395
1.128	318.9	182.2598979	25.73	1.354	318.9	182.2598979
1.17	322.9	171.8828066	25.82	1.422	319	181.9742025
1.175	324.8	167.6326681	25.85	1.302	322.4	173.0693692
1.121	322.6	172.5912057	25.83	1.393	322.7	172.3538995
1.291	325.3	166.5789856	25.79	1.613	325.7	165.7545685
1.349	322.8	172.1177686	25.66	1.776	325.6	165.9591491
1.29	319.4	180.8458047	25.5	1.643	319.1	181.6899539
1.271	320.6	177.5942369	25.33	1.514	321.1	176.2962446
1.098	320.5	177.8577632	25.18	1.418	319.7	180.0143756
1.171	319.1	181.6899539	25.07	1.346	313.7	192.5433417
1.119	317.7	185.8042924	24.98	1.361	317.6	186.1096044
0.955	318.4	183.7103804	24.88	1.093	316.6	189.2509084
1.229	316	191.2154206	24.76	1.447	313.5	191.9241395
1.163	315.6	192.5597384	24.63	1.413	314.4	195.7142115
1.313	315.9	191.5488631	24.53	1.693	315.3	193.5866754
1.199	319	181.9742025	24.43	1.598	319.8	179.7400211
1.176	315.2	193.9326112	24.36	1.468	313.5	191.9241395
0.936	314.6	195.7142115	24.37	1.062	313.7	192.5433417
0.892	314.4	195.7142115	24.54	1.023	311.6	186.3453391
0.929	312.4	188.6290418	24.78	1.006	310.5	183.3515534
0.961	312.7	189.5095215	25.05	1.087	308.8	179.0364331
0.872	316	191.2154206	25.27	0.974	314.7	195.6900033
1.053	317.8	185.5005447	25.4	1.309	316.7	188.9294126
1.044	319.9	179.4670474	25.43	1.107	317.9	185.1983516
0.7	319.5	180.5672593	25.42	0.864	313.8	195.7142115
0.695	316.1	190.8837175	25.45	0.696	315.3	193.5866754
1.057	315.2	193.9326112	25.46	1.141	317.6	186.1096044
0.865	317	187.9748679	25.47	1.107	318.6	183.1257514
0.872	316.7	188.9294126	25.54	1.05	315.2	193.9326112
0.929	318.5	183.4173207	25.6	1.084	318.7	182.8356637
0.912	315.1	194.2803784	25.66	1.079	310.7	183.8836779
0.944	310.6	183.6169505	25.71	1.223	309.4	180.5179243
1.097	322	174.0400802	25.72	1.216	322.3	173.3102392
0.898	319	181.9742025	25.73	1.053	320.1	178.9252109
0.731	313.9	195.7142115	25.75	0.999	315.5	192.9002508
0.67	330.8	156.5569873	25.79	0.636	332.1	154.5640391
0.694	328.2	160.955157	25.85	0.856	328.3	160.7752562
0.634	319.9	179.4670474	25.84	0.915	318.3	184.0049395
0.934	322.5	172.8296935	25.77	1.173	322.2	173.55231
0.771	318.2	184.3010071	25.63	0.899	317.7	185.8042924
0.624	317	187.9748679	25.56	0.852	319.8	179.7400211
0.734	308.4	178.0729882	25.56	1.017	307.9	176.8952147
0.706	308.7	178.7937782	25.53	0.854	308.9	179.2802945
0.726	304.7	170.0089535	25.55	0.835	305.1	170.8114111
0.841	301.4	163.9624173	25.55	0.982	301.1	163.4605101
1.052	295.7	155.627126	25.52	1.236	294.6	154.2869623
1.003	305.1	170.8114111	25.5	1.156	304.5	169.6136358
0.81	304.3	169.2222095	25.44	1.005	302	164.9891752
0.926	304.3	169.2222095	25.38	1.167	303.4	167.507983

25.38	1.661	319.8	179.7400211	181.6423904	Yes
25.62	1.502	319.6	180.290119	176.2959569	Yes
25.82	1.559	323.3	170.9545255	174.9734741	No
25.9	1.679	320.8	177.0711342	171.7195266	No
25.91	1.595	326.6	163.9580918	165.5402435	No
25.88	1.549	327.2	162.8040494	168.4439059	No
25.83	1.795	329.5	158.684756	161.1975931	No
25.71	2.085	328.6	160.24088	164.338474	No
25.56	1.923	322	174.0400802	173.9368621	No
25.39	1.794	324.1	169.1522337	168.7631278	No
25.23	1.65	324	169.3736382	170.5091783	No
25.13	1.656	318.6	183.1257514	179.4316868	Yes
25.05	1.61	322.2	173.55231	173.6891287	No
24.94	1.421	320.3	178.3888034	178.1159972	Yes
24.82	1.767	318.9	182.2598979	185.0326132	Yes
24.7	1.709	319.6	180.290119	185.768357	Yes
24.62	2.04	319.9	179.4670474	186.230469	Yes
24.54	1.829	323.7	170.0444603	171.3864297	No
24.48	1.7	317.5	186.4164902	187.9632694	Yes
24.48	1.381	319.9	179.4670474	191.2904584	Yes
24.69	1.275	319.2	181.4071437	193.2771379	Yes
24.94	1.323	316.6	189.2509084	188.096681	Yes
25.21	1.292	312.7	189.5095215	186.0371693	Yes
25.42	1.229	317.7	185.8042924	187.6073067	Yes
25.53	1.441	322.8	172.1177686	179.4951364	Yes
25.55	1.435	322.5	172.8296935	182.0059267	Yes
25.52	0.971	318.8	182.5470487	185.2319009	Yes
25.53	1.117	320.5	177.8577632	184.9064361	Yes
25.54	1.42	320	179.1954466	181.9035253	Yes
25.55	1.297	321.2	176.0405229	187.1623914	Yes
25.64	1.193	317.1	187.6599662	189.767455	Yes
25.72	1.323	323.2	171.184873	179.5778094	Yes
25.78	1.276	315.8	191.884056	187.6186962	Yes
25.82	1.352	314.4	195.7142115	179.8966138	Yes
25.83	1.449	322.3	173.3102392	170.2168718	No
25.83	1.196	323	171.6490075	173.6044773	No
25.85	1.027	321.3	175.7860767	191.1447242	Yes
25.89	0.949	330.8	156.5569873	162.0048768	No
25.95	1.034	328.7	160.0645165	157.3690647	No
25.95	1.083	319.5	180.5672593	178.3096742	Yes
25.87	1.307	326.1	164.946271	180.2553565	Yes
25.7	1.167	322.3	173.3102392	187.3129585	Yes
25.64	1.001	320.8	177.0711342	182.7438835	Yes
25.65	1.181	312.8	189.8060036	177.7314437	Yes
25.64	1.075	313.9	195.7142115	179.707852	Yes
25.68	1.054	309.5	180.7691609	165.2613187	No
25.69	1.144	303.9	168.4508857	161.4440057	No
25.68	1.493	300.6	162.6406568	153.4791269	No
25.65	1.425	308.2	177.5983781	169.0511642	No
25.58	1.177	306.1	172.8883094	167.9141608	No
25.53	1.345	306.5	173.7482078	172.5009423	No

7/30/2019	19:24	25.31	0.188
7/30/2019	19:25	25.24	0.126
7/30/2019	19:26	25.19	0.208
7/30/2019	19:27	25.1	0.183
7/30/2019	19:28	25.01	0.148
7/30/2019	19:29	24.94	0.13
7/30/2019	19:30	24.89	0.158
7/30/2019	19:31	24.85	0.107
7/30/2019	19:32	24.8	0.171
7/30/2019	19:33	24.76	0.171
7/30/2019	19:34	24.72	0.134
7/30/2019	19:35	24.65	0.133
7/30/2019	19:36	24.61	0.083
7/30/2019	19:37	24.56	0.09
7/30/2019	19:38	24.51	0.092
7/30/2019	19:39	24.43	0.105
7/30/2019	19:40	24.34	0.126
7/30/2019	19:41	24.23	0.139
7/30/2019	19:42	24.1	0.114
7/30/2019	19:43	23.97	0.129
7/30/2019	19:44	23.84	0.144
7/30/2019	19:45	23.71	0.13
7/30/2019	19:46	23.6	0.081
7/30/2019	19:47	23.51	0.098
7/30/2019	19:48	23.41	0.124
7/30/2019	19:49	23.32	0.112
7/30/2019	19:50	23.2	0.11
7/30/2019	19:51	23.11	0.118
7/30/2019	19:52	23.01	0.084
7/30/2019	19:53	22.91	0.068
7/30/2019	19:54	22.83	0.052
7/30/2019	19:55	22.76	0.066
7/30/2019	19:56	22.65	0.102
7/30/2019	19:57	22.55	0.12
7/30/2019	19:58	22.46	0.064
7/30/2019	19:59	22.4	0.041
7/30/2019	20:00	22.35	0.029
7/30/2019	20:01	22.3	0.026
7/30/2019	20:02	22.25	0.02
7/30/2019	20:03	22.21	0.013
7/30/2019	20:04	22.19	0.018
7/30/2019	20:05	22.16	0.043
7/30/2019	20:06	22.09	0.02
7/30/2019	20:07	22.04	0.027
7/30/2019	20:08	22.01	0.012
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7/30/2019	20:10	21.95	0.02
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7/30/2019	20:12	21.87	0.01
7/30/2019	20:13	21.82	0.028
7/30/2019	20:14	21.76	0.031

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314.9	194.9814553	25.75
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309.7	181.2753983	25.64
323.7	170.0444603	25.63
322.8	172.1177686	25.6
307	174.8472386	25.58
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327.2	162.8040494	25.5
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329.8	158.1813694	25.48
338.1	146.9258206	25.46
337.2	147.9207527	25.38
340.9	144.1380905	25.28
334.4	151.3468538	25.15
335.3	150.1891937	24.98
344.4	141.262737	24.81
344.5	141.1899582	24.65
346.6	139.7763685	24.48
343	142.3353263	24.34
345.5	140.4897269	24.25
342.9	142.4158267	24.15
345.3	140.6257933	24.04
351.5	137.2889944	23.9
355.1	136.1424529	23.77
350.2	137.8421902	23.64
358.7	135.5454083	23.46
351.6	137.249547	23.3
348.6	138.6276173	23.16
344.5	141.1899582	22.98
343.4	142.0185516	22.82
346.9	139.5919783	22.68
313.1	190.7045403	22.57
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16.5	140.6257933	21.59
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0.665	314.6
0.646	316.2
0.67	319.9
0.651	316.8
0.588	316.5
0.609	323.2
0.46	323.1
0.48	325.8
0.454	323.9
0.568	331.5
0.54	336.6
0.575	341.3
0.559	342.3
0.425	348.8
0.57	346.7
0.451	346.4
0.335	351
0.313	351.4
0.369	347
0.39	349.4
0.37	358.5
0.295	11.79
0.301	5.414
0.266	7.634
0.198	355.3
0.232	7.342
0.374	358
0.322	346.4
0.245	334
0.176	333.7
0.153	326.9
0.161	341.8
0.155	350.3
0.085	5.666
0.084	43.35
0.12	58.82
0.13	66.69
0.07	80.9
0.075	51.59
0.052	30.85
0.032	354.2
0.022	
0.052	33
0.086	31.68
0.08	44.22

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177.5983781	25.45
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195.7142115	25.14
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179.4670474	25.07
188.6095808	25.04
189.5740787	25.02
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171.416365	24.94
165.5509953	24.93
169.5961403	24.9
155.4675767	24.81
148.6120398	24.7
143.7762629	24.57
142.9099119	24.43
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139.7144254	24.15
139.9016992	24.02
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139.5314724	23.72
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135.8669412	23.31
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136.0950271	23.06
136.306145	22.93
135.6191797	22.81
139.9016992	22.7
151.8792052	22.59
152.2858181	22.52
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143.3363204	22.42
137.796957	22.39
135.9154495	22.36
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166.7338279	22.28
154.8983318	22.19
143.4541915	22.11
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186.1708553	21.62

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0.746	309.9	181.7867003	24.95	0.958	308.3	177.8350956
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0.783	322.2	173.55231	24.73	0.837	321.1	176.2962446
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0.511	321.5	175.2809825	24.67	0.665	324.7	167.8465446
0.576	321.2	176.0405229	24.63	0.717	323.7	170.0444603
0.548	330	157.8499471	24.56	0.784	330.3	157.3589946
0.606	330.9	156.3989918	24.45	0.747	331.1	156.0853794
0.63	329.7	158.3483275	24.35	0.771	330.2	157.5218261
0.634	334.4	151.3468538	24.24	0.782	334.4	151.3468538
0.512	344.5	141.1899582	24.12	0.641	341.5	143.5986496
0.546	340.3	144.6975271	24.02	0.823	341.9	143.249962
0.516	343.1	142.25535	23.91	0.673	338.6	146.3943767
0.363	347.1	139.4714437	23.8	0.515	344.1	141.484113
0.357	347.5	139.23608	23.73	0.491	344.7	141.0459134
0.412	342.2	142.9941199	23.66	0.551	340.8	144.2299319
0.476	343.2	142.1758963	23.59	0.555	340.5	144.5088047
0.377	355.7	136.0052434	23.5	0.559	350.5	137.7078372
0.337	13.74	138.9192528	23.4	0.475	9	136.810367
0.327	9.99	137.1681404	23.31	0.474	7.385	136.3177347
0.295	15.52	139.9778248	23.24	0.447	10.32	137.2969368
0.212	0.526	135.4483856	23.13	0.34	4.292	135.6832036
0.299	10.22	137.2574012	23.03	0.394	5.38	135.8606003
0.404	358.7	135.5454083	22.96	0.526	359.7	135.475212
0.438	345.7	140.355632	22.9	0.54	345.8	140.2893212
0.313	333.5	152.5604335	22.82	0.444	332.2	154.4161117
0.262	325.2	166.7876462	22.75	0.349	327.9	161.5002424
0.235	319	181.9742025	22.73	0.386	324.3	168.7126952
0.214	335	150.5689831	22.73	0.39	338.9	146.0826775
0.216	346.7	139.7144254	22.73	0.376	347	139.5314724
0.132	358.4	135.5745369	22.75	0.298	353.8	136.4921301
0.1	46.91	195.0167044	22.72	0.186	18.68	142.2394175
0.159	64.85	157.2496062	22.67	0.26	49.19	189.2439706
0.172	72.19	149.1571111	22.59	0.328	60.63	163.5769459
0.157	80.4	143.6807474	22.5	0.28	65.62	156.2373942
0.089	60.65	163.5436367	22.41	0.237	51.63	182.4850902
0.049	47.11	195.7037189	22.33	0.172	44.73	187.7542658
0.05	25	148.379085	22.25	0.172	35.25	164.0558153
0.033	20.01	143.344986	22.18	0.135	24.26	147.5390287
0.062	33.3	160.4181218	22.11	0.179	27.42	151.3732077
0.118	35.05	163.6663654	22.04	0.218	32.75	159.4541035
0.148	35.73	165.0063412	21.97	0.262	36.35	166.2679199

25.45	1.555	312.5	188.9210494	180.4235923	Yes
25.38	1.243	310.1	182.3031224	171.6659081	No
25.31	1.358	309.3	180.2679334	169.9461781	No
25.24	1.499	315.7	192.2210107	185.7814647	Yes
25.2	1.38	313.3	191.3112307	187.2295609	Yes
25.14	1.334	314.2	195.7142115	183.3092887	Yes
25.11	1.163	313.6	192.2329492	184.1528514	Yes
25.06	1.061	316.4	189.898934	184.3319968	Yes
25.03	1.288	320.9	176.811543	180.4209882	Yes
24.99	1.205	319.7	180.0143756	185.7621476	Yes
24.97	1.212	317.1	187.6599662	185.6691424	Yes
24.9	1.095	322.4	173.0693692	170.9593693	No
24.87	0.857	318.8	182.5470487	174.791746	No
24.83	0.802	325.3	166.5789856	166.7149729	No
24.8	0.943	324.6	168.0614801	165.651736	No
24.74	0.92	331.8	155.0123664	154.6493178	No
24.64	0.944	333.9	152.0140384	151.3086254	No
24.53	1.102	333.2	152.9777221	152.7483176	No
24.43	0.988	338.6	146.3943767	148.9482033	No
24.32	0.936	343.1	142.25535	141.1435946	No
24.23	0.939	343.1	142.25535	142.2129682	No
24.14	0.903	342.1	143.0788632	142.0819486	No
24.02	0.677	347.7	139.1212357	140.1959361	No
23.95	0.714	346.1	140.0933217	139.5251508	No
23.89	0.802	342.3	142.9099119	142.2928377	No
23.83	0.865	342	143.1641434	141.382702	No
23.74	0.707	351.5	137.2889944	136.641622	No
23.66	0.724	8.05	136.5070199	137.4503615	No
23.61	0.74	9.11	136.8480111	136.7987516	No
23.54	0.639	9.25	136.8966818	137.3016417	No
23.45	0.639	10.65	137.4305386	136.1190408	No
23.37	0.704	6.972	136.2096695	137.012941	No
23.31	0.796	358.5	135.564413	136.9574396	No
23.29	0.853	350.6	137.6639493	140.641301	No
23.24	0.677	341.3	143.7762629	149.6119322	No
23.17	0.57	338.5	146.4994658	167.8195617	No
23.16	0.532	337.1	148.034394	165.892229	No
23.18	0.605	348.4	138.734051	146.6626603	No
23.2	0.578	352.6	136.8792016	139.0142849	No
23.21	0.51	359.6	135.4803714	135.9940389	No
23.19	0.4	17.55	141.3728539	173.6065952	No
23.13	0.385	40.88	176.7597807	164.274453	No
23.04	0.406	57.82	168.6039306	155.8774629	No
22.93	0.424	55.08	174.2284402	147.7907777	No
22.83	0.402	43.7	184.5985921	176.2060281	Yes
22.73	0.286	40.65	176.1682239	179.9260922	Yes
22.65	0.297	32.92	159.7492628	149.6039219	No
22.57	0.221	32.47	158.9733722	145.4420074	No
22.5	0.283	36.6	166.7876462	157.2267856	No
22.42	0.308	44.06	185.6826061	155.3497356	No
22.35	0.368	54.36	175.8370928	163.2896039	No

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7/30/2019	20:16	21.61	0.057
7/30/2019	20:17	21.53	0.053
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7/30/2019	20:19	21.39	0.048
7/30/2019	20:20	21.35	0.029
7/30/2019	20:21	21.33	0.022
7/30/2019	20:22	21.3	0.041
7/30/2019	20:23	21.28	0.118
7/30/2019	20:24	21.2	0.165
7/30/2019	20:25	21.14	0.112
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7/30/2019	20:28	21.01	0.121
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7/30/2019	20:50	20.4	0.037
7/30/2019	20:51	20.37	0.027
7/30/2019	20:52	20.34	0.036
7/30/2019	20:53	20.32	0.06
7/30/2019	20:54	20.31	0.06
7/30/2019	20:55	20.29	0.084
7/30/2019	20:56	20.27	0.056
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7/30/2019	21:00	20.16	0.016
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7/30/2019	21:02	20.1	0.039
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7/30/2019	21:04	20.08	0.102
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273	141.3697448	20.79
276.9	142.0529811	20.78
255.4	146.6068237	20.79
264.9	142.0529811	20.79
272.8	141.3525134	20.79
267	141.6027124	20.77
259.3	144.220467	20.74
262	142.996497	20.69
255.8	146.3270894	20.65
271.6	141.2853442	20.62
265	142.0271438	20.59
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242.2	161.0618684	20.52
234.8	174.8472386	20.49
243.2	159.5615734	20.46
243.8	158.6977847	20.43
260.5	143.6345036	20.4
254.1	147.5733027	20.38
70.72	150.5143495	20.35
36.25	166.0618188	20.32
20.92	144.1564143	20.28
306.5	173.7482078	20.24
262.5	142.8067836	20.2
257.3	145.3502763	20.16
253.2	148.294859	20.13
270	141.2922309	20.11
232.9	179.2802945	20.08
200.2	143.5106627	20.04
277.1	142.105983	20.01
266.3	141.7313339	19.98
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85.5	141.9045775	19.92
93.5	141.4203824	19.88
98.4	142.4938547	19.86
99.3	142.8067836	19.87
140.7	177.3320297	19.89

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0.164	62.9
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0.248	231.2
0.239	241.2
0.242	242.6
0.235	250.9
0.253	246.3
0.24	254.7
0.255	266.5
0.282	268.1
0.216	263.1
0.23	255.1
0.289	257
0.282	252.8
0.284	245.8
0.33	245.9
0.314	235.3
0.264	255.4
0.264	249.1
0.207	235.1
0.18	223.3
0.169	226.2
0.167	222.4
0.142	225.1
0.087	226.1
0.04	241.3
0.134	55.74
0.156	44.09
0.085	11.67
0.07	327.7
0.035	306.9
0.049	230.9
0.069	237.7
0.081	261.1
0.083	207
0.085	195.9
0.035	227.6
0.045	244.2
0.018	
0.047	57.04
0.057	83.7
0.044	101
0.095	101.8
0.167	125.7

168.9118457	21.56
150.3128768	21.49
163.4439099	21.44
160.0036074	21.38
145.0436861	21.34
147.1610966	21.3
143.8222881	21.26
142.0185516	21.22
172.1177686	21.17
183.6169505	21.12
162.6406568	21.05
160.4525084	21.03
150.341502	21.01
155.3774631	21.01
147.1162438	21.01
141.6924026	21
141.4436643	20.99
142.5941034	21.01
146.8220309	21.01
145.5366244	21.01
148.6296284	20.98
156.0067	20.92
155.8794948	20.86
173.7482078	20.82
146.6068237	20.79
152.156119	20.75
174.1845669	20.71
183.4173207	20.68
192.5597384	20.63
180.8458047	20.6
188.9294126	20.56
192.2210107	20.53
162.4791534	20.51
172.8032498	20.48
185.7738474	20.44
137.8741211	20.38
161.8681603	20.33
174.6252563	20.29
184.4211537	20.25
168.8346381	20.22
143.3668232	20.2
150.8255466	20.16
140.2234999	20.14
194.1193848	20.13
158.1366964	20.12
	20.1
170.1283131	20.05
142.397648	20.01
143.4985715	20.01
143.8704074	20.04
172.0452245	20.07

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0.207	54.58	175.3394761	21.78	0.332	56.21	171.8162801
0.237	49.04	189.6872301	21.72	0.311	51.45	182.9559362
0.223	72.93	148.5198685	21.68	0.33	65.62	156.2373942
0.147	75.84	146.2995666	21.67	0.251	70.08	151.1442693
0.107	91.2	141.2767366	21.63	0.145	83.4	142.4938547
0.065	182.5	135.4983288	21.58	0.094	121.6	164.3012465
0.255	215.9	165.3484246	21.51	0.251	197.7	141.484113
0.367	232.2	181.0216499	21.42	0.49	225.9	191.5488631
0.327	241.7	161.8412498	21.37	0.484	234.2	176.202409
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0.339	250.4	150.8262993	21.34	0.498	242	161.3712442
0.376	245.9	155.8794948	21.36	0.509	241	162.9661204
0.328	253.2	148.294859	21.36	0.528	250	151.2247092
0.279	262.2	142.919245	21.33	0.462	258.8	144.4847842
0.264	265.7	141.8586336	21.31	0.45	260.6	143.5887269
0.242	259.9	143.9189973	21.33	0.381	258.4	144.7048835
0.307	254.6	147.1911034	21.34	0.488	253.1	148.3777321
0.34	255	146.8948028	21.31	0.517	251.7	149.595865
0.336	254.2	147.4958051	21.25	0.54	249.6	151.6326395
0.4	248.8	152.4775331	21.16	0.525	244.7	157.451638
0.429	247.7	153.7040237	21.08	0.546	244.7	157.451638
0.439	241.3	162.4791534	21.03	0.565	238	168.2604307
0.33	252.4	148.9731899	21	0.488	248.4	152.9147416
0.321	247.9	153.475345	20.95	0.456	243.1	159.7081601
0.284	238.4	167.507983	20.9	0.408	235.5	173.3161361
0.219	225.5	190.2254851	20.85	0.347	226.2	192.5597384
0.211	225.2	189.2509084	20.8	0.353	223.7	184.5985921
0.194	223.7	184.5985921	20.76	0.336	221.4	178.1226162
0.188	227.6	194.1193848	20.73	0.328	224.3	186.4164902
0.154	229.3	188.9210494	20.71	0.29	226.8	194.6299891
0.067	241.4	162.3184643	20.69	0.156	232.9	179.2802945
0.133	57.42	169.3783154	20.66	0.142	85.4	141.9282093
0.186	45.8	191.2154206	20.61	0.281	51.44	182.9822186
0.08	44.69	187.6285655	20.55	0.14	52.93	179.2070091
0.055	340.9	144.1380905	20.5	0.052	29.4	154.1225109
0.032	298.6	159.5615734	20.46	0.05	133.6	192.2329492
0.068	217	167.6326681	20.4	0.075	186.9	136.1915717
0.08	223.6	184.3010071	20.36	0.113	216.1	165.7545685
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0.108	220.6	176.0405229	20.3	0.149	216.4	166.3713526
0.128	217.3	168.2774801	20.32	0.187	222.9	182.2598979
0.065	225.4	189.898934	20.33	0.142	228.4	191.6169031
0.064	225.4	189.898934	20.33	0.118	228.5	191.3112307
0.016			20.33	0.08	228.1	192.5433417
0.031	70.53	150.6988469	20.3	0.037	225.1	188.9294126
0.061	106.3	146.5361202	20.27	0.05	156.1	149.2056183
0.055	136.3	190.2254851	20.25	0.092	132.3	188.3385084
0.108	110.1	149.595865	20.24	0.149	113.4	152.9147416
0.192	131	184.6919171	20.25	0.287	117.2	157.5872152

22.27	0.411	58.98	166.4431367	170.4098425	No
22.19	0.445	70.75	150.4854108	161.2815653	No
22.1	0.412	70.79	150.4469074	163.7212425	No
22.02	0.344	67.18	154.3106166	179.0746056	Yes
22	0.411	64.68	157.4786964	148.0902965	No
22.03	0.374	67.94	153.4299151	147.6988058	No
22.04	0.325	82.1	142.9576428	142.5309598	No
21.99	0.225	89.9	141.2963201	156.0912939	No
21.92	0.204	171.8	137.171973	159.2717506	No
21.79	0.453	226.1	192.2210107	176.9293054	Yes
21.71	0.459	240.9	163.1300876	162.1632763	No
21.71	0.499	242.4	160.7556316	158.676153	No
21.74	0.574	248.3	153.0256028	151.1109058	No
21.79	0.578	248.1	153.2492103	154.6238632	No
21.84	0.661	256.7	145.7274513	146.9820107	No
21.85	0.639	262.9	142.6631883	142.6165442	No
21.82	0.535	266	141.7930115	142.2360015	No
21.84	0.533	261.5	143.1976347	144.456202	No
21.85	0.616	259.4	144.169036	146.1109619	No
21.74	0.649	250.3	150.9250156	145.8449514	No
21.59	0.685	250.4	150.8262993	147.3401963	No
21.45	0.715	248.1	153.2492103	152.5390845	No
21.36	0.74	249.4	151.8402112	152.5079134	No
21.31	0.732	246.7	154.8861795	162.7037203	No
21.31	0.674	250.9	150.341502	147.4450249	No
21.23	0.622	245.4	156.5223835	151.841692	No
21.16	0.542	240	164.6434892	167.9812769	No
21.09	0.486	231.4	183.0874794	181.8161032	Yes
21.02	0.481	228.6	191.0071128	185.3141194	Yes
20.99	0.467	226	191.884056	175.7821466	Yes
20.98	0.457	227.3	195.0846305	182.0407681	Yes
20.97	0.396	228.4	191.6169031	179.8516382	Yes
20.97	0.28	233.5	177.8350956	162.9128037	No
20.94	0.123	78.16	144.8406576	158.656031	No
20.88	0.355	67.61	153.8077636	181.5083263	Yes
20.78	0.215	88.9	141.3609132	162.2165275	No
20.72	0.125	101.1	143.5434164	158.4692424	No
20.67	0.061	118.6	159.5615734	167.3066406	No
20.62	0.074	205.8	149.3262707	158.3989174	No
20.58	0.154	237.9	168.4508857	166.7962681	No
20.56	0.179	253.3	148.2125295	152.6607479	No
20.56	0.184	237.7	168.8346381	168.1294292	No
20.57	0.22	234	176.6631365	158.5678851	No
20.58	0.189	234.8	174.8472386	179.4353012	Yes
20.59	0.175	230	186.9076557	170.2695487	No
20.58	0.143	224.8	187.9748679	192.5433417	Yes
20.56	0.09	214.9	163.3767931	162.9152875	No
20.53	0.093	189.1	136.8445673	144.8899422	No
20.5	0.115	182.9	135.52806	166.1391049	No
20.45	0.173	138.2	184.3010071	147.2969494	No
20.42	0.264	129	179.5253688	172.9140966	No

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7/30/2019	21:07	20.08	0.088
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7/30/2019	21:10	20.03	0.043
7/30/2019	21:11	20	0.056
7/30/2019	21:12	19.98	0.065
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7/30/2019	21:14	19.93	0.043
7/30/2019	21:15	19.91	0.046
7/30/2019	21:16	19.89	0.054
7/30/2019	21:17	19.87	0.096
7/30/2019	21:18	19.87	0.085
7/30/2019	21:19	19.87	0.18
7/30/2019	21:20	19.88	0.123
7/30/2019	21:21	19.88	0.103
7/30/2019	21:22	19.89	0.127
7/30/2019	21:23	19.89	0.123
7/30/2019	21:24	19.87	0.137
7/30/2019	21:25	19.83	0.191
7/30/2019	21:26	19.79	0.191
7/30/2019	21:27	19.76	0.242
7/30/2019	21:28	19.71	0.327
7/30/2019	21:29	19.68	0.403
7/30/2019	21:30	19.67	0.417
7/30/2019	21:31	19.68	0.339
7/30/2019	21:32	19.68	0.328
7/30/2019	21:33	19.68	0.302
7/30/2019	21:34	19.68	0.209
7/30/2019	21:35	19.68	0.106
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7/30/2019	21:37	19.69	0.046
7/30/2019	21:38	19.7	0.067
7/30/2019	21:39	19.7	0.079
7/30/2019	21:40	19.7	0.041
7/30/2019	21:41	19.69	0.077
7/30/2019	21:42	19.69	0.162
7/30/2019	21:43	19.69	0.188
7/30/2019	21:44	19.72	0.28
7/30/2019	21:45	19.76	0.346
7/30/2019	21:46	19.78	0.291
7/30/2019	21:47	19.79	0.193
7/30/2019	21:48	19.78	0.185
7/30/2019	21:49	19.76	0.195
7/30/2019	21:50	19.75	0.158
7/30/2019	21:51	19.73	0.194
7/30/2019	21:52	19.71	0.191
7/30/2019	21:53	19.69	0.233
7/30/2019	21:54	19.67	0.213
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2.849	135.5239012	19.81
7.237	136.2781753	19.79
72.37	148.9993141	19.77
93	141.3697448	19.76
74.49	147.2740555	19.77
95	141.6372805	19.78
92.2	141.3111722	19.8
77.8	145.0495749	19.81
66.29	155.3898823	19.82
52.94	179.1826048	19.82
56.18	171.8785962	19.8
58.88	166.6245475	19.77
53.54	177.7402679	19.72
80.8	143.4985715	19.68
88.7	141.3790081	19.64
87.7	141.4954247	19.61
93	141.3697448	19.6
87.9	141.4686779	19.61
87.8	141.4818346	19.62
84	142.3054699	19.62
86.2	141.7514553	19.62
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29.38	154.0933154	19.63
319.5	180.5672593	19.63
307	174.8472386	19.64
305.8	172.2544374	19.64
311.9	187.1909456	19.63
304.4	169.4174385	19.61
283.1	144.539086	19.62
274.9	141.6197787	19.65
262.9	142.6631883	19.68
268.8	141.3697448	19.72
270.2	141.2853442	19.75
270.2	141.2853442	19.75
263.9	142.3357491	19.76
272.1	141.3057907	19.74
283.6	144.8178344	19.73
288.6	148.294859	19.71
288.4	148.1307424	19.68
298.2	158.9827372	19.66
297.5	157.9982448	19.64
307.3	175.5198021	19.6
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0.139	37.09
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0.151	74.15
0.145	77.47
0.226	95.5
0.172	92.3
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0.36	61.52
0.419	75.97
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0.464	88.7
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0.396	84.6
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0.308	81.2
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0.204	344.7
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0.173	328.5
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0.138	324.9
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0.561	254.3
0.333	259.2
0.453	261.4
0.589	266
0.473	275.7
0.434	276.2
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0.514	293.5
0.39	300.5
0.492	304
0.39	307.2

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154.8022956	19.98
141.2846692	19.95
145.2086138	19.92
167.8251094	19.89
193.5157213	19.88
147.5344875	19.87
145.2466567	19.88
141.7313339	19.92
141.3169846	19.95
141.8363207	19.96
151.074196	19.95
152.8595458	19.93
161.5583871	19.88
155.2289564	19.83
162.1267077	19.78
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142.0529811	19.69
142.0271438	19.67
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168.6422867	19.65
175.2945059	19.62

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0.136	91.9	141.2963201	20.23	0.196	95.8	141.7930115
0.152	61.04	162.9007647	20.22	0.187	75.95	146.2242994
0.161	51.33	183.2721926	20.22	0.272	65.78	156.0322231
0.155	46.93	195.0872588	20.21	0.264	62.92	159.9739257
0.197	45.76	191.0825313	20.22	0.329	54.15	176.3171641
0.179	33.99	161.6653545	20.24	0.305	46.68	194.2106779
0.158	20.8	144.0468045	20.23	0.265	39.03	172.1884848
0.197	19.39	142.8178998	20.21	0.312	34.42	162.4644591
0.19	33.5	160.7752562	20.2	0.314	40.98	177.0191118
0.17	47.37	194.8580706	20.2	0.295	44.46	186.9108051
0.216	70.9	150.341502	20.18	0.331	63.49	159.1407253
0.256	82.3	142.8813029	20.19	0.303	79.6	144.0675996
0.282	101.4	143.6807474	20.18	0.375	99.3	142.8067836
0.283	95.4	141.7116497	20.18	0.358	95.8	141.7930115
0.3	86	141.7930115	20.17	0.326	82	142.996497
0.231	70.72	150.5143495	20.14	0.356	70.72	150.5143495
0.268	69.51	151.7257477	20.11	0.418	67.4	154.0518489
0.328	62.8	160.152474	20.06	0.548	61.82	161.6523875
0.408	65.45	156.4573193	20.01	0.647	62.97	159.8998549
0.436	59.87	164.8677915	19.97	0.642	60.28	164.1653068
0.524	78.99	144.3829342	19.93	0.751	72	149.3256382
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0.74	88.3	141.4203824	19.86	0.74	85.5	141.9045775
0.721	89.8	141.30084	19.85	0.748	87.1	141.5860815
0.718	87.8	141.4818346	19.85	0.738	86.9	141.6197787
0.59	87.5	141.5239064	19.84	0.657	83.1	142.5941034
0.447	84.7	142.105983	19.85	0.552	82.2	142.919245
0.425	82.9	142.6631883	19.86	0.503	79.82	143.9582088
0.282	72.51	148.8778287	19.86	0.448	68.22	153.1147436
0.209	54.88	174.6695651	19.86	0.308	55.5	173.3161361
0.251	352.7	136.8445673	19.86	0.307	0.588	135.4475082
0.271	333.7	152.2858181	19.86	0.402	340.7	144.3223303
0.216	333.4	152.6988115	19.84	0.369	340.3	144.6975271
0.169	344.6	141.1176841	19.83	0.301	355.7	136.0052434
0.223	326.5	164.1537804	19.84	0.333	330.2	157.5218261
0.344	287.4	147.3423991	19.86	0.529	284.3	145.2285189
0.418	264.3	142.2173074	19.88	0.731	261.9	143.0358082
0.536	250.9	150.341502	19.9	0.746	250.2	151.0243214
0.656	254.1	147.5733027	19.91	0.898	251.8	149.5052253
0.551	255.5	146.5361202	19.92	0.882	253.3	148.2125295
0.404	254.3	147.4188376	19.93	0.582	254.6	147.1911034
0.43	259.8	143.9680589	19.93	0.751	256.7	145.7274513
0.485	265.5	141.9045775	19.92	0.782	259.9	143.9189973
0.422	275.3	141.6924026	19.9	0.709	268.6	141.3887034
0.409	277.5	142.2173074	19.88	0.702	270.2	141.2853442
0.473	285.3	145.8571712	19.86	0.712	279.6	142.919245
0.518	296.9	157.1826166	19.83	0.769	290.5	149.9641021
0.521	303.6	167.8823409	19.79	0.717	298.8	159.8555038
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0.556	312.4	188.6290418	19.72	0.731	307.4	175.7462142

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20.39	0.215	106.5	146.6780426	142.3343644	No
20.38	0.201	90.8	141.2750152	171.5880811	No
20.37	0.263	75.18	146.7641871	168.9386921	No
20.37	0.266	68.62	152.6730464	171.8814866	No
20.38	0.333	63.18	159.5908303	176.2338358	Yes
20.39	0.31	56.35	171.526689	163.5472477	No
20.41	0.293	50.43	185.7056316	152.5066528	No
20.42	0.355	46.77	194.5249116	146.5037185	No
20.42	0.349	47.68	193.8644924	160.4744132	No
20.42	0.348	54.16	176.2941904	181.0709778	Yes
20.43	0.406	84.2	142.2462495	149.5966149	No
20.43	0.483	98.8	142.6284203	144.8674037	No
20.43	0.543	108.6	148.294859	142.4640364	No
20.44	0.583	98.6	142.5602372	141.5332045	No
20.41	0.614	86.9	141.6197787	142.918851	No
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20.31	0.612	72.6	148.8003043	159.4549368	No
20.25	0.759	65.23	156.7449008	163.8104612	No
20.22	0.853	68.82	152.4559332	159.5526695	No
20.19	0.887	67.1	154.4054945	167.2250185	No
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19.99	1.101	90.6	141.2767366	141.6690685	No
19.98	1.046	88.6	141.3887034	141.9332482	No
19.98	0.898	87.7	141.4954247	142.4090419	No
19.98	0.782	83.9	142.3357491	142.9241715	No
19.99	0.665	73.12	148.3611139	156.2178688	No
19.99	0.483	61.14	162.7379511	172.1551307	No
19.99	0.404	17.49	141.3286703	148.476312	No
19.97	0.435	352.3	136.9857152	160.2072563	No
19.96	0.457	353.6	136.5523328	157.5172244	No
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19.95	0.78	270.8	141.2750152	142.4177387	No
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19.87	0.892	291.6	151.0243214	154.7887647	No
19.83	0.938	299.1	160.3021067	162.0538107	No
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19.76	0.96	309.5	180.7691609	179.4356875	Yes

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7/30/2019	22:15	19.3	0.152
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7/30/2019	22:17	19.28	0.146
7/30/2019	22:18	19.26	0.077
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7/30/2019	22:28	19	0.132
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7/30/2019	22:33	18.89	0.117
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271.3	141.2782429	18.81
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101	143.4985715	18.59
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190.9161792	18.99
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141.6552183	19
143.9680589	18.98
145.663343	18.93
145.1683796	18.91
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141.3988308	18.86
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143.8704074	18.64

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0.503	335.4	150.0639356	19.64	0.667	333.3	152.8379067
0.446	335.4	150.0639356	19.65	0.676	334	151.8792052
0.418	333.5	152.5604335	19.66	0.599	329.9	158.0152438
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0.475	281.1	143.5434164	19.6	0.739	278.8	142.6284203
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0.558	257.4	145.2891508	19.5	0.79	254.8	147.041908
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0.445	243	159.8555038	19.43	0.602	240.7	163.4605101
0.354	236.2	171.8370419	19.42	0.516	236.3	171.6298847
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0.217	307.5	175.9737479	19.42	0.339	287.9	147.7298938
0.234	342	143.1641434	19.41	0.284	322.4	173.0693692
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0.357	52.04	181.4282546	19.28	0.531	44.63	187.4405013
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0.339	78.03	144.9153706	19.28	0.426	65.97	155.7908567
0.361	91	141.2750152	19.21	0.358	84.5	142.1607573
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0.143	288	147.8089898	19.15	0.115	312	187.4756675
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0.386	267.7	141.4954247	19.15	0.52	266.9	141.6197787
0.549	260.4	143.6807474	19.12	0.758	257.3	145.3502763
0.665	258	144.932729	19.06	0.878	253.5	148.0494963
0.593	256.3	145.9889028	19.03	0.738	251.2	150.0575889
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0.396	259.5	144.1180804	18.99	0.535	255.5	146.5361202
0.35	252.2	149.1482972	18.98	0.476	250.5	150.728171
0.274	268.2	141.431807	18.96	0.475	265.7	141.8586336
0.327	279.2	142.7702052	18.96	0.481	274.4	141.5387984
0.322	289.6	149.1482972	18.95	0.483	282.7	144.324759
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0.267	107.7	147.5733027	18.79	0.222	103.2	144.5938692
0.332	107.5	147.4188376	18.77	0.328	100.9	143.4541915

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19.71	0.933	320	179.1954466	180.6595261	Yes
19.7	0.972	323.6	170.2702897	169.2509895	No
19.71	0.989	325.2	166.7876462	166.824087	No
19.71	0.921	332.6	153.8318952	165.0853398	No
19.72	0.911	339.7	145.2773166	152.7817661	No
19.75	0.91	341.1	143.9560723	161.8981226	No
19.77	0.785	339.3	145.6753339	156.2564649	No
19.79	0.766	336.3	148.9662571	165.5162013	No
19.79	0.746	327.3	162.6150149	179.2665728	Yes
19.79	0.762	321.5	175.2809825	183.8107693	Yes
19.8	0.805	317.8	185.5005447	170.8234797	No
19.8	0.844	311.2	185.2375331	160.8846276	No
19.79	0.887	303.3	167.3221929	150.3909079	No
19.77	0.956	290.3	149.7788447	142.8362847	No
19.71	0.971	276.1	141.8586336	141.5764651	No
19.66	0.968	268.6	141.3887034	142.2240114	No
19.62	0.947	261.9	143.0358082	144.9664783	No
19.57	0.829	251.9	149.4151502	153.2401718	No
19.53	0.781	248.4	152.9147416	159.7709304	No
19.52	0.676	246.2	155.5019575	166.7831028	No
19.54	0.592	248.4	152.9147416	162.3587325	No
19.56	0.508	253.1	148.3777321	146.1985488	No
19.58	0.424	267.7	141.4954247	143.9275576	No
19.59	0.375	284	145.0495749	176.3561349	Yes
19.58	0.329	303.5	167.6946976	148.6229854	No
19.56	0.333	1.226	135.4476925	175.769858	Yes
19.49	0.69	55.47	173.3806752	167.7356134	No
19.46	0.465	34.96	163.4923646	172.7349184	No
19.49	0.323	23.42	146.6263621	177.4195103	Yes
19.46	0.603	71.92	149.3972028	147.4229619	No
19.38	0.644	84.2	142.2462495	141.7214764	No
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19.33	0.31	309.2	180.0191816	144.9297458	No
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19.23	1.052	260.5	143.6345036	145.0085679	No
19.16	0.962	256.3	145.9889028	145.6232785	No
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19.09	0.685	263.8	142.366475	144.0143436	No
19.07	0.605	261.6	143.1564895	148.5900491	No
19.07	0.551	271.5	141.2825466	141.5772625	No
19.08	0.56	272.9	141.3609132	141.9618416	No
19.11	0.557	276.6	141.9767943	148.2646624	No
19.1	0.469	297.3	157.7235069	168.2542396	No
19.06	0.276	324.1	169.1522337	168.134983	No
19.01	0.107	48.59	191.0374549	143.9705945	No
18.96	0.201	102.4	144.169036	144.5398995	No
18.91	0.314	108.1	147.8886214	145.3733036	No

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7/30/2019	23:29	18.78	0.046
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7/30/2019	23:31	18.79	0.053
7/30/2019	23:32	18.79	0.021
7/30/2019	23:33	18.77	0.013
7/30/2019	23:34	18.75	0.018
7/30/2019	23:35	18.74	0.013
7/30/2019	23:36	18.72	0.05
7/30/2019	23:37	18.71	0.033
7/30/2019	23:38	18.7	0.022

123.6	167.8823409	18.54
151	156.2417902	18.52
195.1	139.7144254	18.51
223.5	184.0049395	18.48
197.7	141.484113	18.46
209.8	154.712722	18.44
203.8	147.0339187	18.43
196	140.2893212	18.43
196.6	140.6945686	18.45
168.9	138.471433	18.45
146.8	163.5696028	18.44
147.9	161.5002424	18.47
145.3	166.5789856	18.52
135.9	191.5488631	18.58
128.4	178.0729882	18.63
116	156.0067	18.67
184	135.6439919	18.68
187	136.2167669	18.68
198	141.7100752	18.67
144.5	168.2774801	18.67
143.6	170.2702897	18.7
130.8	184.1517432	18.74
104	145.0495749	18.76
93	141.3697448	18.76
84.6	142.1331484	18.77
76.98	145.5492066	18.76
79.07	144.3405676	18.78
84.7	142.105983	18.78
68.92	152.3483034	18.78
73.44	148.0981792	18.78
58.45	167.4149727	18.78
47.33	194.9874333	18.78
27.9	152.0140384	18.78
17	140.9746448	18.77
		18.77
283.5	144.7611164	18.75
297	157.3167727	18.74
		18.73
		18.73
1.5	135.452927	18.73
6	135.9838512	18.73
43.02	182.6046543	18.73
14.57	139.3941179	18.74
17.86	141.6040533	18.74
15	139.6529623	18.73
		18.71
		18.68
		18.65
8.5	136.6458601	18.62
9	136.810367	18.6
11.5	137.796957	18.59

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0.242	125.9
0.151	175.9
0.105	180.8
0.165	187.8
0.236	194.5
0.325	195.8
0.278	192.9
0.245	187.8
0.168	165
0.19	144.1
0.221	135
0.223	129
0.237	122.9
0.305	116.9
0.213	126.3
0.098	153.2
0.152	183.9
0.088	196.3
0.113	123.7
0.184	128.2
0.319	116.8
0.287	104.4
0.269	94.8
0.24	86.6
0.206	85.3
0.247	76.51
0.215	83.1
0.184	74.12
0.123	72.39
0.131	71.44
0.139	49.87
0.102	37.61
0.113	16.5
0.057	40.29
0.091	323.2
0.099	310.3
0.066	337.7
0.114	347.4
0.112	13.66
0.102	53.17
0.127	52.89
0.108	40.46
0.132	21.81
0.12	348.5
0.057	27.8
0.042	29.83
0.049	24.89
0.119	22.5
0.137	17.23
0.149	16.17

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172.4646859	18.62
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136.4336422	18.56
139.3528135	18.55
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138.471433	18.57
136.4336422	18.59
140.8336095	18.61
169.1522337	18.62
194.6299891	18.65
179.5253688	18.68
166.5881931	18.71
157.1826166	18.73
173.3161361	18.75
152.9777221	18.76
135.6313781	18.77
140.4897269	18.77
168.0709172	18.76
177.5983781	18.79
157.0491672	18.81
145.2891508	18.82
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141.6735922	18.82
141.9522815	18.82
145.8506375	18.84
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147.5577607	18.84
148.9818924	18.83
149.8341822	18.83
187.2762115	18.82
168.9539035	18.82
140.6257933	18.81
175.25586	18.8
171.184873	18.79
182.824721	18.78
147.3618674	18.77
139.2942101	18.78
138.8751913	18.79
178.6246341	18.8
179.3047473	18.8
175.6846538	18.81
144.9945205	18.81
138.6806025	18.79
151.8792052	18.76
154.7574746	18.73
148.2520401	18.7
145.6753339	18.67
141.1393134	18.67
140.4023415	18.67

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0.325	133.3	191.3112307	18.75	0.397	124.2	169.0279442
0.21	172	137.0961561	18.76	0.301	154.1	151.7450728
0.158	180.2	135.4556091	18.73	0.27	167.5	139.23608
0.257	186.9	136.1915717	18.71	0.339	175.1	136.1424529
0.343	192	138.0276292	18.68	0.482	181.9	135.4661321
0.432	196.3	140.4897269	18.69	0.618	186.6	136.1185285
0.385	194.7	139.4714437	18.73	0.548	188.2	136.5523328
0.335	192.3	138.1714606	18.77	0.499	187.9	136.4626721
0.265	178.1	135.6073966	18.78	0.435	178.6	135.5547035
0.289	155.3	150.1891937	18.78	0.366	163.2	142.1758963
0.297	146.7	163.7633675	18.78	0.406	151.7	155.1633342
0.3	141.7	174.7809062	18.79	0.393	147.2	162.8040494
0.334	133.2	191.0071128	18.81	0.434	133.5	191.9241395
0.34	126	172.6759748	18.82	0.474	126.7	174.1845669
0.278	131.3	185.5124012	18.83	0.352	136	191.2154206
0.12	147.2	162.8040494	18.84	0.168	138.6	183.1257514
0.159	177.7	135.6570213	18.84	0.235	167.5	139.23608
0.098	184.5	135.7132992	18.84	0.17	178.3	135.5850754
0.179	140.3	178.3888034	18.84	0.189	139.7	180.0143756
0.278	138.2	184.3010071	18.86	0.359	134.8	195.3347893
0.359	128.4	178.0729882	18.88	0.471	129.9	181.7867003
0.352	112.9	152.3697801	18.89	0.439	116.7	156.9164217
0.36	101.9	143.9189973	18.89	0.483	104.6	145.4118964
0.356	93.2	141.3887034	18.9	0.395	95.8	141.7930115
0.339	88	141.4559546	18.91	0.357	90.6	141.2767366
0.375	81.4	143.23924	18.93	0.373	83.1	142.5941034
0.366	83.6	142.4292686	18.93	0.372	80.5	143.6345036
0.264	73.56	148.0010077	18.93	0.324	68.04	153.3167846
0.212	70.77	150.4661475	18.92	0.226	72.7	148.7146909
0.172	73.15	148.3362275	18.91	0.219	64.87	157.2227891
0.161	49.26	189.0382671	18.9	0.228	49.8	187.4756675
0.15	36.55	166.6831872	18.89	0.206	44.17	186.017846
0.139	13.34	138.7019262	18.89	0.223	24.3	147.5835656
0.08	39.03	172.1884848	18.89	0.179	43.06	182.7200414
0.099	332.4	154.1225109	18.88	0.118	353.9	136.4626721
0.116	316.5	189.5740787	18.87	0.142	347.3	139.3528135
0.105	334.2	151.6116385	18.87	0.164	345.5	140.4897269
0.154	348.8	138.5230334	18.87	0.24	342.1	143.0788632
0.139	2.459	135.4956552	18.89	0.249	350.7	137.6205085
0.131	29.46	154.2102766	18.91	0.199	12.67	138.3544962
0.178	44.21	186.140222	18.93	0.246	34.84	163.2615639
0.178	31.63	157.5708349	18.93	0.295	26.67	150.4036658
0.201	20.06	143.3883951	18.93	0.303	18.93	142.4400792
0.172	359	135.5200067	18.9	0.268	3.698	135.6071652
0.078	22.55	145.7257394	18.88	0.179	9.41	136.9533494
0.07	11.13	137.6334938	18.85	0.149	8.78	136.7366522
0.08	12.8	138.4202926	18.82	0.141	5.148	135.8186248
0.16	12.52	138.2795391	18.81	0.222	6.417	136.0758419
0.191	6.749	136.1543303	18.8	0.268	10.53	137.3813987
0.217	12.37	138.2056099	18.8	0.296	14.13	139.1383422

18.89	0.407	116.7	156.9164217	156.4015055	No
18.88	0.435	131.6	186.3453391	172.2614127	No
18.9	0.386	146.7	163.7633675	141.1296335	No
18.92	0.387	154.1	151.7450728	148.5355837	No
18.91	0.463	169.8	138.0276292	137.5629449	No
18.88	0.616	182.1	135.475212	141.8898242	No
18.9	0.759	193.5	138.7879636	140.9500853	No
18.93	0.732	200.1	143.4232201	138.6961327	No
18.97	0.723	197.2	141.1176841	137.9405859	No
18.98	0.629	190.9	137.5349652	137.6167857	No
18.97	0.506	177.9	135.6313781	156.2717316	No
18.96	0.546	165	140.8336095	168.7642333	No
18.95	0.531	157.9	147.1426245	170.9223275	No
18.96	0.58	143.8	169.8197457	185.2670771	Yes
18.95	0.629	136.9	188.2914027	170.5290366	No
18.94	0.535	143.9	169.5961403	176.5126645	Yes
18.94	0.356	146.7	163.7633675	158.6378787	No
18.93	0.287	163.8	141.7100752	136.6853116	No
18.92	0.204	176.6	135.8278372	138.3745442	No
18.92	0.272	151.8	155.0123664	173.6878941	No
18.93	0.478	144.9	167.4198452	181.876116	Yes
18.94	0.57	139.4	180.8458047	175.2651497	Yes
18.94	0.584	127.1	175.0703199	149.9062319	No
18.95	0.63	115.5	155.3774631	143.0758377	No
18.96	0.636	107.7	147.5733027	141.7471139	No
18.98	0.609	97.4	142.1888102	142.5585448	No
19	0.602	94.2	141.5094486	144.0061371	No
18.99	0.562	88.9	141.3609132	142.6909647	No
18.98	0.514	84.7	142.105983	150.3059641	No
18.97	0.463	84.6	142.1331484	149.0652275	No
18.97	0.409	80.7	143.5434164	155.7020429	No
18.96	0.367	67.03	154.4888557	189.6943949	Yes
18.96	0.402	64.77	157.3571577	168.4172438	No
18.96	0.34	55.03	174.3383134	141.9714825	No
18.96	0.334	63.98	158.4438473	176.7214621	Yes
18.97	0.206	32.08	158.3148691	151.6327931	No
18.97	0.194	25.32	148.7530351	167.2670965	No
18.98	0.222	20.35	143.6428478	146.4877443	No
18.99	0.264	6.948	136.2036125	140.2987023	No
19	0.298	9.75	137.0774759	136.8610705	No
19.01	0.287	10.43	137.3409357	151.7933145	No
19.03	0.304	22.65	145.8269885	177.8277969	Yes
19.04	0.371	19.78	143.1470444	155.7633181	No
19.03	0.426	24.28	147.5612848	143.106762	No
19.01	0.423	6.442	136.0815899	137.3651842	No
19	0.331	10.31	137.2929634	144.8527647	No
18.98	0.259	9.97	137.1604885	143.0425402	No
18.95	0.225	8.57	136.6682408	140.8303192	No
18.93	0.29	12.77	138.40504	139.1691437	No
18.91	0.316	14.6	139.411891	137.8713524	No
18.91	0.357	13.9	139.008273	138.8858126	No

7/30/2019	23:39	18.69	0.026
7/30/2019	23:40	18.67	0.028
7/30/2019	23:41	18.65	0.021
7/30/2019	23:42	18.62	0.015
7/30/2019	23:43	18.6	0.043
7/30/2019	23:44	18.57	0.045
7/30/2019	23:45	18.53	0.047
7/30/2019	23:46	18.49	0.018
7/30/2019	23:47	18.46	0.017
7/30/2019	23:48	18.44	0.039
7/30/2019	23:49	18.43	0.044
7/30/2019	23:50	18.43	0.039
7/30/2019	23:51	18.42	0.054
7/30/2019	23:52	18.41	0.067
7/30/2019	23:53	18.41	0.047
7/30/2019	23:54	18.4	0.045
7/30/2019	23:55	18.41	0.038
7/30/2019	23:56	18.4	0.045
7/30/2019	23:57	18.37	0.092
7/30/2019	23:58	18.31	0.104
7/30/2019	23:59	18.28	0.056
7/31/2019	0:00	18.26	0.061
7/31/2019	0:01	18.25	0.081
7/31/2019	0:02	18.23	0.071
7/31/2019	0:03	18.2	0.081
7/31/2019	0:04	18.18	0.077
7/31/2019	0:05	18.16	0.089
7/31/2019	0:06	18.14	0.083
7/31/2019	0:07	18.13	0.053
7/31/2019	0:08	18.12	0.059
7/31/2019	0:09	18.12	0.05
7/31/2019	0:10	18.13	0.06
7/31/2019	0:11	18.12	0.062
7/31/2019	0:12	18.12	0.045
7/31/2019	0:13	18.13	0.061
7/31/2019	0:14	18.13	0.066
7/31/2019	0:15	18.11	0.038
7/31/2019	0:16	18.1	0.051
7/31/2019	0:17	18.08	0.058
7/31/2019	0:18	18.07	0.054
7/31/2019	0:19	18.05	0.077
7/31/2019	0:20	18.04	0.094
7/31/2019	0:21	18.01	0.1
7/31/2019	0:22	17.97	0.128
7/31/2019	0:23	17.95	0.141
7/31/2019	0:24	17.94	0.116
7/31/2019	0:25	17.93	0.098
7/31/2019	0:26	17.92	0.06
7/31/2019	0:27	17.91	0.049
7/31/2019	0:28	17.9	0.033
7/31/2019	0:29	17.9	0.044

5	135.7930238	18.59
357	135.759882	18.57
		18.55
		18.53
294	153.5893653	18.51
291	150.437296	18.48
297.6	158.1366964	18.45
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		18.4
131	184.6919171	18.37
132.2	188.0494405	18.34
163.1	142.25535	18.32
163.3	142.096964	18.29
143.5	170.4972397	18.27
135.9	191.5488631	18.25
148.8	159.8890273	18.25
174.5	136.2949008	18.26
220.3	175.2809825	18.25
234.9	174.6252563	18.22
244.6	157.5872152	18.18
229.4	188.6290418	18.14
227.2	195.4097096	18.12
245.9	155.8794948	18.11
255.1	146.8220309	18.11
256.1	146.1226545	18.1
251.5	149.7788447	18.1
247.2	154.2869623	18.1
263.5	142.4613373	18.09
241.5	162.1585863	18.09
254.8	147.041908	18.09
262.5	142.8067836	18.1
274.7	141.5860815	18.12
281.9	143.9189973	18.14
254.4	147.3423991	18.15
242.3	160.9083592	18.15
257.2	145.4118964	18.14
260	143.8704074	18.12
226.9	194.9814553	18.11
247.8	153.5893653	18.09
242	161.3712442	18.07
238	168.2604307	18.05
249.3	151.9449052	18.02
240.8	163.294883	17.98
265.6	141.8813857	17.94
267.5	141.5239064	17.92
274.7	141.5860815	17.91
264.4	142.1888102	17.89
226.2	192.5597384	17.88
241.4	162.3184643	17.87
183	135.5365272	17.85
128	177.1284437	17.82

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0.131	52.64
0.108	57.12
0.095	28.35
0.084	318.3
0.091	313.6
0.126	317.9
0.149	346.9
0.076	50.9
0.125	91.7
0.121	109.2
0.087	115
0.106	133.1
0.142	118.5
0.127	107.4
0.15	117.9
0.139	132.7
0.109	184.7
0.206	222
0.217	217.2
0.161	205.1
0.19	205.6
0.2	225.3
0.244	235.5
0.242	234.8
0.291	237.7
0.302	236.1
0.276	237.1
0.259	238.3
0.188	252.6
0.181	254.1
0.202	272.9
0.221	272.4
0.233	259
0.143	236.3
0.121	238.3
0.131	244
0.151	246.7
0.149	244.7
0.135	244.3
0.216	233.8
0.202	225.9
0.249	229.8
0.307	243
0.325	244.2
0.29	245.9
0.252	241.4
0.174	216.5
0.147	205.7
0.1	153.3
0.116	127.2

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179.9200264	18.67
169.9692456	18.66
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184.0049395	18.64
192.2329492	18.62
185.1983516	18.59
139.5919783	18.59
184.4211537	18.59
141.2885722	18.58
148.8003043	18.56
154.7650203	18.54
190.7045403	18.51
159.4157407	18.52
147.3423991	18.54
158.5564148	18.56
189.5095215	18.6
135.7439374	18.61
179.7400211	18.57
168.0614801	18.47
148.4952449	18.44
149.0856146	18.41
189.5740787	18.41
173.3161361	18.37
174.8472386	18.34
168.8346381	18.35
172.0452245	18.33
170.0089535	18.29
167.6946976	18.26
148.8003043	18.26
147.5733027	18.28
141.3609132	18.29
141.3232279	18.29
144.3776216	18.29
171.6298847	18.28
167.6946976	18.27
158.4157786	18.25
154.8861795	18.22
157.451638	18.2
157.9982448	18.17
177.1284437	18.15
191.5488631	18.13
187.4756675	18.09
159.8555038	18.06
158.1366964	18.04
155.8794948	18.02
162.3184643	17.99
166.5789856	17.96
149.2056183	17.95
152.8379067	17.93
175.2945059	17.91

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0.145	42.73	181.775077	18.8	0.269	33.55	160.8650951
0.12	43.71	184.6284345	18.79	0.263	34.12	161.9051529
0.173	19.17	142.6358061	18.79	0.27	22.37	145.5449609
0.147	347	139.5314724	18.78	0.241	355.7	136.0052434
0.14	337	148.1486618	18.77	0.244	350.8	137.577514
0.167	323.9	169.5961403	18.76	0.271	343.3	142.096964
0.225	344.5	141.1899582	18.76	0.335	344.7	141.0459134
0.104	14.42	139.3058929	18.77	0.254	357.2	135.7284098
0.101	59.96	164.7123499	18.77	0.221	39.26	172.7341562
0.136	103.5	144.7611164	18.76	0.196	59.53	165.4613667
0.144	106.9	146.9680947	18.75	0.18	70.84	150.3989088
0.206	128.8	179.0364331	18.75	0.206	100	143.0755769
0.222	122.8	166.4069628	18.75	0.262	105.9	146.2584353
0.195	115.9	155.8794948	18.75	0.249	101.6	143.7746389
0.201	124.4	169.4174385	18.75	0.251	108	147.8089898
0.231	144.9	167.4198452	18.76	0.279	132.7	189.5095215
0.181	172.5	136.9142707	18.77	0.196	147.2	162.8040494
0.341	218.5	170.9545255	18.74	0.351	202.4	145.5749597
0.369	222.9	182.2598979	18.67	0.44	208.2	152.4227699
0.287	212	158.1813694	18.67	0.4	197.4	141.262737
0.293	214.7	162.994021	18.69	0.443	202.2	145.3759529
0.331	226.7	194.2803784	18.69	0.483	215.8	165.1468514
0.374	234.6	175.2945059	18.67	0.544	220.9	176.811543
0.435	237.9	168.4508857	18.69	0.58	226.9	194.9814553
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0.458	240	164.6434892	18.67	0.58	229.1	189.5095215
0.461	243.1	159.7081601	18.6	0.558	230.6	185.2375331
0.407	243.2	159.5615734	18.54	0.51	230.8	184.6919171
0.333	249.9	151.3257947	18.52	0.407	234.3	175.9737479
0.301	253.9	147.7298938	18.53	0.377	237.8	168.6422867
0.222	267.4	141.5387984	18.5	0.291	250.4	150.8262993
0.227	266.9	141.6197787	18.48	0.285	256.8	145.663343
0.244	256	146.1902907	18.46	0.283	249.6	151.6326395
0.286	244.4	157.8605159	18.43	0.335	234.7	175.0703199
0.283	241.4	162.3184643	18.41	0.306	227.7	193.8009328
0.259	247.1	154.4054945	18.39	0.308	232.5	180.2679334
0.281	249.8	151.4274771	18.36	0.371	233.5	177.8350956
0.295	248.9	152.3697801	18.34	0.331	235	174.4043676
0.284	250.4	150.8262993	18.31	0.332	236.8	170.6093072
0.368	240.7	163.4605101	18.31	0.422	228.9	190.1039947
0.383	235.9	172.4646859	18.29	0.439	224.3	186.4164902
0.417	239.4	165.6909983	18.26	0.475	228.2	192.2329492
0.529	249.4	151.8402112	18.24	0.548	239	166.4069628
0.546	250.6	150.6306288	18.22	0.562	241.1	162.802978
0.494	251.5	149.7788447	18.17	0.511	243.3	159.4157407
0.419	249.3	151.9449052	18.12	0.434	239.3	165.8686538
0.293	234.1	176.4322033	18.09	0.36	224.8	187.9748679
0.23	219.1	172.3538995	18.07	0.287	212.3	158.684756
0.17	170.1	137.8878733	18.04	0.215	181.6	135.4556091
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18.9	0.327	33.18	160.2055372	164.5800201	No
18.9	0.307	35.25	164.0558153	172.167611	No
18.89	0.286	24.56	147.875471	146.9367667	No
18.88	0.26	7.15	136.2553557	153.2827552	No
18.88	0.299	3.022	135.5384455	157.0991052	No
18.88	0.322	354.7	136.2423866	163.7570381	No
18.88	0.377	353.6	136.5523328	140.6092833	No
18.89	0.3	7.321	136.3005135	153.1518188	No
18.9	0.279	25.06	148.4487048	165.8567489	No
18.9	0.238	41.85	179.3310759	161.768057	No
18.89	0.267	48.15	192.387947	148.5968435	No
18.88	0.224	77.22	145.3995328	163.7283786	No
18.87	0.273	94.8	141.6027124	160.6445946	No
18.85	0.258	92	141.30084	159.636349	No
18.84	0.232	99.6	142.919245	158.9179676	No
18.83	0.226	137.2	187.3466876	170.6834473	No
18.83	0.183	146.5	164.1537804	152.68581	No
18.82	0.242	196.6	140.6945686	167.7236906	No
18.79	0.324	217.6	168.9319213	165.0828408	No
18.77	0.274	197.4	141.262737	159.1420983	No
18.78	0.321	201.6	144.7927354	163.2163245	No
18.78	0.397	218.7	171.416365	176.2202008	Yes
18.81	0.534	228.5	191.3112307	168.061054	No
18.84	0.559	233.8	177.1284437	171.1005585	No
18.88	0.627	234.6	175.2945059	168.1916234	No
18.9	0.686	234.8	174.8472386	170.1212994	No
18.93	0.726	235.8	172.6759748	164.353996	No
18.93	0.765	235.9	172.4646859	168.5266936	No
18.94	0.687	239	166.4069628	155.7854387	No
18.94	0.643	240.3	164.1314071	151.6880667	No
18.87	0.563	246.8	154.7650203	143.8280231	No
18.79	0.439	256.5	145.8571712	143.1313367	No
18.72	0.481	256	146.1902907	147.3857377	No
18.67	0.526	244.2	158.1366964	166.3672699	No
18.65	0.535	236.9	170.4081994	167.3064978	No
18.61	0.525	240.1	164.4719393	159.2399035	No
18.57	0.537	242.7	160.3021067	169.7825519	No
18.54	0.53	243.1	159.7081601	159.4537877	No
18.53	0.504	243.4	159.2706591	160.2012739	No
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18.51	0.579	243.6	158.9827372	175.5937361	Yes
18.48	0.627	247.2	154.2869623	177.1736245	Yes
18.45	0.735	252.6	148.8003043	154.9960159	No
18.44	0.811	251.6	149.6870709	153.2735524	No
18.39	0.752	251.9	149.4151502	151.6650404	No
18.31	0.636	248.6	152.6948941	155.5802084	No
18.26	0.515	237.1	170.0089535	180.8864488	Yes
18.22	0.377	226.9	194.9814553	160.6406846	No
18.19	0.277	205.8	149.3262707	140.4294791	No
18.16	0.237	190.5	137.3692134	166.6229981	No

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142.996497	17.82
153.1259145	17.84
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0.153	323.1	171.416365	17.91	0.219	328.8	159.8890273
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0.204	128.5	178.312062	17.89	0.153	126.4	173.5316387
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0.239	71.44	149.8341822	17.94	0.179	57.65	168.9311715
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0.329	42.7	181.6899539	18.01	0.346	36.17	165.8976688
0.308	57.99	168.2794337	18.02	0.334	43.16	183.009539
0.323	71.56	149.7237122	18.04	0.288	55.24	173.8786634
0.279	62.27	160.9543298	18.06	0.293	49.04	189.6872301
0.298	78.4	144.7048835	18.09	0.275	63.85	158.6270078
0.26	72.74	148.6805999	18.12	0.234	58.35	167.6012245
0.296	66.92	154.6205005	18.15	0.263	52.46	180.3677807
0.202	82.9	142.6631883	18.19	0.194	77.95	144.9617573
0.224	98.2	142.4292686	18.23	0.176	102.6	144.2723744
0.214	102.9	144.4309631	18.27	0.185	99.1	142.7340803
0.122	100.8	143.4102756	18.3	0.107	110.7	150.1516501
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0.191	39.16	172.4961418	18.34	0.203	40.42	175.5834333
0.245	6.95	136.2041163	18.37	0.308	11.12	137.6291609
0.315	349.9	137.9805921	18.38	0.367	353.5	136.5830783
0.346	353.9	136.4626721	18.4	0.44	357.1	135.7439374
0.365	352.1	137.0589052	18.41	0.49	354.6	136.2684311
0.432	355.1	136.1424529	18.43	0.523	356	135.9423289
0.376	0.884	135.4455053	18.46	0.513	0.281	135.4534048
0.321	0.248	135.4542702	18.47	0.373	354.8	136.2167669
0.307	355.2	136.1185285	18.5	0.366	352.9	136.7766005
0.237	341.6	143.5106627	18.52	0.32	347.7	139.1212357
0.194	334.7	150.9548471	18.53	0.371	345.9	140.2234999
0.246	322	174.0400802	18.53	0.359	328	161.3176459
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0.3	316.3	190.2254851	18.55	0.507	322	174.0400802
0.427	321	176.5532489	18.53	0.531	324.8	167.6326681
0.42	324.7	167.8465446	18.52	0.533	327.2	162.8040494
0.489	333.4	152.6988115	18.5	0.627	336.3	148.9662571
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0.471	0.575	135.447679	18.54	0.597	357.6	135.6704665
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18.13	0.212	179.9	135.4661321	170.4408033	No
18.1	0.225	180.7	135.4463252	161.2019295	No
18.09	0.138	199.5	142.9099119	157.4037154	No
18.07	0.076	14.27	139.2187331	137.1628839	No
18.03	0.138	320.5	177.8577632	147.3315361	No
18.03	0.222	335.7	149.6921424	139.973806	No
18.03	0.205	332.7	153.6876994	151.1827404	No
18.03	0.243	325.8	165.5509953	161.8020973	No
18.03	0.218	337.4	147.6953406	147.1431131	No
18.01	0.057	338.6	146.3943767	180.2255054	Yes
17.99	0.133	127.3	175.5198021	175.5406685	Yes
17.97	0.26	101.3	143.6345036	145.0885341	No
18	0.272	101.8	143.8704074	142.6897372	No
18.01	0.167	104.4	145.2891508	145.5497947	No
18.01	0.057	124.5	169.6136358	163.9653585	No
18.01	0.17	74.35	147.3805523	156.576128	No
18.03	0.222	59.39	165.708724	181.5440842	Yes
18.04	0.42	50.62	185.1827249	166.4935582	No
18.07	0.429	60.03	164.591934	174.0826993	No
18.09	0.427	71.48	149.7972677	158.6123612	No
18.12	0.392	65.89	155.8921846	173.2664662	No
18.14	0.453	76.17	146.0756111	149.4267658	No
18.16	0.367	71	150.2462872	157.8506559	No
18.19	0.336	72.92	148.5282787	165.8019881	No
18.21	0.292	84.3	142.2173074	143.503305	No
18.25	0.258	102.2	144.0675996	147.1915627	No
18.28	0.281	94.8	141.6027124	142.8734153	No
18.31	0.118	100.8	143.4102756	145.141098	No
18.32	0.217	68.76	152.5208072	184.7119834	Yes
18.35	0.25	57.14	169.9295769	163.8954115	No
18.37	0.301	25.2	148.6120398	137.0426899	No
18.38	0.37	2.235	135.4822748	136.9415381	No
18.4	0.457	2.982	135.5349725	137.2205161	No
18.41	0.531	357.5	135.6843278	137.1146302	No
18.45	0.626	355.8	135.9838512	136.6065573	No
18.5	0.61	359	135.5200067	135.67685	No
18.53	0.5	353.5	136.5830783	135.9025684	No
18.56	0.477	349.7	138.0751192	136.4970095	No
18.58	0.462	347.6	139.1784222	148.3742796	No
18.58	0.502	351.9	137.1338452	152.7367128	No
18.58	0.424	326.9	163.3767931	173.9946187	No
18.61	0.54	323.1	171.416365	182.8560813	Yes
18.62	0.576	321.7	174.7809062	187.3574153	Yes
18.61	0.674	326.2	164.7466785	179.7989958	Yes
18.62	0.73	329.5	158.684756	174.1173155	No
18.64	0.789	339.3	145.6753339	162.3801702	No
18.72	0.84	343	142.3353263	150.79607	No
18.78	0.84	350.3	137.796957	148.0681924	No
18.84	0.812	357	135.759882	137.9478996	No
18.87	0.756	4.321	135.6872915	135.636707	No
18.87	0.748	359.6	135.4803714	135.8733739	No

7/31/2019	1:21	18.31	0.049
7/31/2019	1:22	18.28	0.062
7/31/2019	1:23	18.25	0.1
7/31/2019	1:24	18.21	0.122
7/31/2019	1:25	18.18	0.115
7/31/2019	1:26	18.15	0.157
7/31/2019	1:27	18.14	0.144
7/31/2019	1:28	18.12	0.159
7/31/2019	1:29	18.11	0.193
7/31/2019	1:30	18.09	0.108
7/31/2019	1:31	18.07	0.168
7/31/2019	1:32	18.05	0.137
7/31/2019	1:33	18.04	0.148
7/31/2019	1:34	18.03	0.077
7/31/2019	1:35	18.02	0.087
7/31/2019	1:36	18.01	0.068
7/31/2019	1:37	18	0.052
7/31/2019	1:38	17.98	0.088
7/31/2019	1:39	17.96	0.086
7/31/2019	1:40	17.94	0.068
7/31/2019	1:41	17.93	0.032
7/31/2019	1:42	17.92	0.022
7/31/2019	1:43	17.91	0.019
7/31/2019	1:44	17.89	0.053
7/31/2019	1:45	17.88	0.065
7/31/2019	1:46	17.86	0.049
7/31/2019	1:47	17.84	0.034
7/31/2019	1:48	17.84	0.078
7/31/2019	1:49	17.83	0.075
7/31/2019	1:50	17.82	0.095
7/31/2019	1:51	17.8	0.112
7/31/2019	1:52	17.79	0.107
7/31/2019	1:53	17.77	0.099
7/31/2019	1:54	17.75	0.05
7/31/2019	1:55	17.74	0.033
7/31/2019	1:56	17.72	0.023
7/31/2019	1:57	17.71	0.026
7/31/2019	1:58	17.7	0.062
7/31/2019	1:59	17.7	0.051
7/31/2019	2:00	17.7	0.043
7/31/2019	2:01	17.69	0.054
7/31/2019	2:02	17.68	0.041
7/31/2019	2:03	17.67	0.041
7/31/2019	2:04	17.65	0.068
7/31/2019	2:05	17.63	0.043
7/31/2019	2:06	17.61	0.036
7/31/2019	2:07	17.59	0.048
7/31/2019	2:08	17.57	0.062
7/31/2019	2:09	17.55	0.081
7/31/2019	2:10	17.53	0.056
7/31/2019	2:11	17.52	0.089

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9.47	136.9748873	18.11
3.247	135.5592154	18.09
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27.71	151.7584546	18.04
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23.97	147.2190813	18
17.69	141.4766601	18
29.97	154.9672254	17.99
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		17.87
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339.8	145.1792559	17.81
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0.174	135.4563741	17.8
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17.4	141.262737	17.78
28.66	153.0619581	17.77
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56.1	172.0452245	17.73
51	184.1517432	17.7
		17.68
		17.65
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280.6	143.3238336	17.63
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41.65	178.7906025	17.54
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0.375	13.08
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0.456	18.81
0.479	19.36
0.457	20.42
0.423	16.93
0.449	19.38
0.341	21.18
0.341	27.09
0.379	21.48
0.307	24.22
0.261	33.51
0.212	40.12
0.234	46.77
0.267	42.37
0.231	46.75
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0.223	60.01
0.159	56.34
0.112	33.53
0.108	353.8
0.127	329.1
0.215	326.6
0.271	329.5
0.33	343.6
0.417	359.2
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0.358	12.85
0.357	20.44
0.24	30.87
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0.15	50.51
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0.113	328.7
0.125	355.2
0.158	355.4
0.225	354.3
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0.192	60.06
0.152	76.4
0.125	82.6

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140.5847658	18.22
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140.925055	18.18
142.8095671	18.18
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150.9418864	18.16
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160.7932062	18.14
174.8306896	18.13
194.5249116	18.11
180.762093	18.1
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180.7188136	18.05
164.6262955	18.04
171.5473078	18.02
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136.4921301	18
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158.684756	17.98
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135.8292646	17.99
138.4458054	17.97
143.7227489	17.97
156.3517481	17.94
165.4293329	17.91
185.4848522	17.89
156.4573193	17.86
141.2885722	17.84
138.1230627	17.81
164.3504379	17.78
191.6169031	17.76
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147.3423991	17.77
141.2748	17.79
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0.589	14.93	139.6102233	18.57	0.813	11.45	137.7745088
0.697	13.37	138.7179677	18.55	0.808	11.97	138.0134706
0.619	14.19	139.1726823	18.54	0.828	15.15	139.7453369
0.625	16.3	140.4897269	18.53	0.804	14.47	139.3351827
0.659	15.11	139.7205981	18.53	0.783	15.54	139.9905802
0.517	20.13	143.4493958	18.51	0.643	13.29	138.6752831
0.548	23.29	146.48893	18.49	0.693	19.06	142.5457208
0.574	23.94	147.1862774	18.46	0.657	17.36	141.2335648
0.513	21.7	144.8885107	18.45	0.62	18.11	141.7940838
0.369	33.37	160.5427158	18.43	0.495	23.42	146.6263621
0.324	34.89	163.3575645	18.4	0.444	24.69	148.0230018
0.27	40.66	176.1938024	18.37	0.447	28.49	152.8239649
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0.389	47.14	195.6055639	18.32	0.494	35.81	165.166964
0.388	55.65	172.9948704	18.29	0.489	39.17	172.5198901
0.331	59.17	166.1009338	18.27	0.424	41.47	178.3088067
0.245	60.07	164.5233141	18.25	0.336	38.05	169.931964
0.178	36.46	166.4958094	18.24	0.326	23.12	146.3107346
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0.235	335	150.5689831	18.19	0.284	349.2	138.3193881
0.329	325.6	165.9591491	18.18	0.425	342.8	142.4968525
0.437	328.6	160.24088	18.2	0.594	338.9	146.0826775
0.535	341.5	143.5986496	18.23	0.732	346.8	139.6529623
0.59	357.6	135.6704665	18.28	0.782	356	135.9423289
0.565	3.111	135.5464105	18.3	0.75	1.219	135.4475993
0.505	10.95	137.5561839	18.28	0.726	7.37	136.3136829
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0.412	31.38	157.1646719	18.23	0.512	19.53	142.9351182
0.38	37.46	168.6253077	18.19	0.508	24.59	147.9094229
0.262	52.68	179.8210679	18.16	0.389	28.48	152.8100302
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0.142	69.67	151.5605593	18.09	0.232	36.23	166.0207205
0.063	130.9	184.4211537	18.06	0.102	43.72	184.6582921
0.101	229.1	189.5095215	18.02	0.053	11.58	137.8331076
0.156	243.4	159.2706591	17.98	0.056	321.1	176.2962446
0.167	264.2	142.2462495	17.95	0.135	298.1	158.8398912
0.226	267.2	141.5698857	17.95	0.209	283.9	144.9909076
0.197	283.5	144.7611164	17.96	0.244	313.4	191.6169031
0.201	326.5	164.1537804	17.98	0.294	339.8	145.1792559
0.287	350.7	137.6205085	17.99	0.278	355.4	136.0719483
0.275	356.2	135.9024875	18.01	0.352	357.7	135.6570213
0.27	354.2	136.3768654	18.04	0.498	358.4	135.5745369
0.287	30.85	156.320292	18.04	0.428	13.42	138.7447963
0.337	39.87	174.2119505	18.03	0.482	23.55	146.7648086
0.34	56.46	171.3005536	18.02	0.445	33.62	160.9912443
0.331	75.26	146.7066747	18.01	0.397	50.73	184.8822606
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18.89	0.833	1.719	135.4593387	136.351178	No
18.87	0.81	7.766	136.4238695	135.7201203	No
18.88	0.935	11.85	137.9572431	137.3095707	No
18.9	1.045	15.28	139.8262694	138.6422166	No
18.85	0.955	18.35	141.97954	139.175743	No
18.82	1.022	17.8	141.5589225	138.7708928	No
18.8	0.973	20.74	143.9922988	140.6920333	No
18.77	0.935	19.89	143.2413559	139.7786332	No
18.76	0.957	17.57	141.3876223	142.2104786	No
18.74	0.876	22.22	145.3957494	144.5699462	No
18.7	0.82	22.79	145.9697216	145.3951476	No
18.68	0.914	24.41	147.7065521	145.0793692	No
18.67	0.747	24.36	147.6505563	143.9134613	No
18.64	0.676	29.48	154.2395916	155.7323773	No
18.59	0.574	30.61	155.9452829	164.366364	No
18.55	0.59	32.59	159.1785791	178.0720866	Yes
18.52	0.621	37.75	169.2627991	175.1492277	Yes
18.49	0.695	42.2	180.290119	182.2547826	Yes
18.47	0.689	43.45	183.857472	174.4400658	No
18.46	0.632	46.55	193.7594151	167.4099296	No
18.44	0.558	42.72	181.7466883	163.5578845	No
18.43	0.449	30.9	156.3989918	157.8785589	No
18.4	0.374	17.46	141.3066469	136.2837071	No
18.37	0.393	356.7	135.8102214	150.4045245	No
18.36	0.513	347.9	139.008273	157.5344001	No
18.37	0.665	343.5	141.9406579	157.4993722	No
18.4	0.819	350.3	137.796957	142.5735373	No
18.48	1.012	359.2	135.5051412	137.3633157	No
18.52	0.994	5.733	135.928795	135.5699121	No
18.52	0.954	13.52	138.7988019	137.5069807	No
18.52	0.841	18.13	141.809425	141.8170343	No
18.48	0.747	22.08	145.2576584	152.3783741	No
18.44	0.661	28.29	152.546635	168.9174448	No
18.41	0.569	30.65	156.0074694	172.5402937	No
18.37	0.526	37.93	169.6631058	167.5557084	No
18.33	0.372	32.44	158.9222619	152.9566174	No
18.28	0.232	27.52	151.505392	169.0675028	No
18.25	0.163	24.22	147.4945906	163.0363939	No
18.21	0.148	355.9	135.9628798	169.5272056	No
18.18	0.183	329.3	159.0245589	148.5991505	No
18.16	0.256	312.6	189.2145397	143.8496543	No
18.16	0.335	327	163.184934	155.0703099	No
18.19	0.373	345.8	140.2893212	153.1803466	No
18.2	0.447	355.9	135.9628798	136.4487091	No
18.23	0.443	2.466	135.4961067	136.4752699	No
18.27	0.583	4.156	135.6644994	136.0111143	No
18.3	0.588	17.95	141.6720949	164.6494298	No
18.31	0.665	27.55	151.5451824	168.705673	No
18.31	0.632	36.35	166.2679199	162.3058839	No
18.29	0.561	51.12	183.8302256	154.7140663	No
18.26	0.578	51.64	182.4590559	153.6209916	No

7/31/2019	2:12	17.51	0.077
7/31/2019	2:13	17.51	0.109
7/31/2019	2:14	17.52	0.063
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7/31/2019	2:16	17.55	0.193
7/31/2019	2:17	17.57	0.148
7/31/2019	2:18	17.56	0.12
7/31/2019	2:19	17.55	0.148
7/31/2019	2:20	17.54	0.152
7/31/2019	2:21	17.53	0.167
7/31/2019	2:22	17.53	0.213
7/31/2019	2:23	17.54	0.166
7/31/2019	2:24	17.55	0.164
7/31/2019	2:25	17.59	0.204
7/31/2019	2:26	17.59	0.123
7/31/2019	2:27	17.58	0.138
7/31/2019	2:28	17.57	0.098
7/31/2019	2:29	17.56	0.162
7/31/2019	2:30	17.56	0.149
7/31/2019	2:31	17.55	0.066
7/31/2019	2:32	17.54	0.088
7/31/2019	2:33	17.52	0.046
7/31/2019	2:34	17.5	0.038
7/31/2019	2:35	17.48	0.035
7/31/2019	2:36	17.47	0.052
7/31/2019	2:37	17.44	0.073
7/31/2019	2:38	17.42	0.053
7/31/2019	2:39	17.39	0.052
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7/31/2019	2:44	17.25	0.07
7/31/2019	2:45	17.23	0.049
7/31/2019	2:46	17.21	0.057
7/31/2019	2:47	17.19	0.034
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7/31/2019	2:55	17.08	0.067
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7/31/2019	2:57	17.04	0.108
7/31/2019	2:58	17.02	0.076
7/31/2019	2:59	17	0.092
7/31/2019	3:00	16.99	0.06
7/31/2019	3:01	16.97	0.068
7/31/2019	3:02	16.96	0.078

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91.6	141.2853442	17.47
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53.91	176.8719552	17.52
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62.46	160.6643689	17.57
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58.93	166.5337293	17.56
57.87	168.5082065	17.55
66.9	154.6445213	17.56
34.79	163.1658002	17.57
29.13	153.7308806	17.6
27.76	151.8254683	17.64
27.26	151.1631485	17.64
31.81	157.8664396	17.63
22.97	146.1549303	17.61
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333.5	152.5604335	17.53
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354.9	136.1915717	17.45
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314.7	195.6900033	17.29
304.1	168.8346381	17.26
305.5	171.6298847	17.23
302	164.9891752	17.21
297.1	157.451638	17.19
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333	153.2595242	17.16
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15.84	140.1842417	17.13
359	135.5200067	17.12
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1.069	135.4460892	17.06
1.513	135.4532523	17.04
359.2	135.5051412	17.01
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357.7	135.6570213	16.97
353.4	136.6142539	16.95
357.4	135.6986053	16.94

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0.387	60.66
0.299	52.38
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0.418	52.79
0.546	35.26
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0.528	38.24
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0.338	25.7
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0.282	15.06
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0.205	349.2
0.222	359.1
0.239	8.05
0.24	11.8
0.285	2.785
0.321	0.582
0.335	1.497
0.332	2.914
0.358	5.448
0.344	5.266
0.372	3.791
0.362	2.735
0.294	5.282
0.3	2.788
0.315	2.63
0.291	4.894

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141.6027124	17.67
165.0761382	17.69
180.2180842	17.7
175.1598614	17.74
186.6631384	17.76
166.5155927	17.78
163.5269946	17.76
180.5680717	17.76
185.3473148	17.75
179.5499431	17.76
164.0753889	17.79
161.3358649	17.82
170.3609349	17.86
155.2998617	17.85
149.2056183	17.83
146.2482527	17.8
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135.5074801	17.65
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136.949775	17.53
143.5986496	17.5
146.7114396	17.46
156.0853794	17.44
151.3468538	17.42
157.6854758	17.4
138.3193881	17.38
135.5123672	17.36
136.5070199	17.35
137.9340071	17.34
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135.6181022	17.28
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135.5072656	17.14
135.7752506	17.12

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0.429	61.79	161.6994953	17.95	0.525	48.11	192.5122309
0.532	58.32	167.6572806	17.98	0.646	47.15	195.5728794
0.684	56.29	171.6505544	18.04	0.621	49.02	189.7465867
0.559	44.73	187.7542658	18.08	0.592	41.32	177.9106275
0.467	67.84	153.5436808	18.09	0.525	55.92	172.4225531
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0.557	52.1	181.2753983	18.08	0.567	46.25	192.7297708
0.576	54.1	176.4322033	18.07	0.72	42.49	181.0977037
0.731	53.56	177.6929245	18.08	0.662	44.59	187.3154486
0.642	38.96	172.0236439	18.11	0.81	32.11	158.3650692
0.688	33.89	161.481942	18.13	0.828	30.85	156.320292
0.774	36.43	166.433535	18.16	0.838	31.94	158.0815944
0.549	33.17	160.1878789	18.15	0.64	28.1	152.2858181
0.508	31.04	156.6204087	18.11	0.587	27	150.8255466
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0.599	29.11	153.7020857	18.06	0.653	23.55	146.7648086
0.611	28.05	152.2176081	18.05	0.66	23.26	146.4573585
0.438	18.76	142.303273	18.04	0.568	19.5	142.9099119
0.399	20.74	143.9922988	18.02	0.486	19.31	142.7513866
0.378	5.167	135.8219778	18	0.477	10.48	137.3611119
0.42	3.167	135.5515903	17.98	0.437	8.6	136.6778973
0.377	6.845	136.1778951	17.98	0.497	10.65	137.4305386
0.471	12.03	138.0418286	17.98	0.523	12.39	138.2154078
0.408	5.124	135.8144111	17.97	0.547	8.24	136.5645794
0.392	11.21	137.668318	17.96	0.582	10.75	137.4719761
0.383	6.8	136.1668004	17.94	0.491	8.52	136.652233
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0.348	351.5	137.2889944	17.85	0.496	356	135.9423289
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0.412	334.5	151.2154981	17.8	0.526	350.6	137.6639493
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0.351	330	157.8499471	17.75	0.494	345.4	140.557513
0.279	327.1	162.994021	17.72	0.418	341.3	143.7762629
0.292	344.6	141.1176841	17.68	0.438	352.5	136.9142707
0.301	0.068	135.4597815	17.67	0.477	4.084	135.6549086
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0.368	15.43	139.9206653	17.67	0.542	16.08	140.3423306
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0.431	6.294	136.0479456	17.74	0.697	11.07	137.6075633
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0.448	7.299	136.294634	17.74	0.701	6.634	136.1266153
0.389	6.211	136.0294819	17.7	0.718	9.63	137.0330898
0.474	8.36	136.601732	17.67	0.769	9.58	137.0147815
0.492	6.571	136.1116696	17.62	0.734	7.847	136.4472329
0.5	7.107	136.2441959	17.57	0.742	9.07	136.8342616
0.455	4.884	135.7735981	17.53	0.687	7.967	136.4823616
0.506	4.088	135.6554358	17.48	0.685	6.883	136.1873307
0.445	5.417	135.867503	17.44	0.627	7.417	136.3264107

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18.2	0.476	62.28	160.9389984	145.2594386	No
18.2	0.736	55.63	173.0375685	168.6663319	No
18.25	0.887	52.94	179.1826048	179.7250851	Yes
18.33	0.857	57.78	168.6806808	178.3572394	Yes
18.34	0.752	52.65	179.8952683	185.7946685	Yes
18.35	0.754	65.8	156.0067	163.2865489	No
18.33	0.866	54.72	175.0256155	169.0812588	No
18.34	0.766	54.45	175.6328683	180.2767425	Yes
18.32	0.815	47.11	195.7037189	177.8463571	Yes
18.34	1.087	47.9	193.1689136	174.8007094	No
18.38	1.053	39.96	174.4338089	164.4074756	No
18.39	0.999	37.8	169.3736382	158.2172448	No
18.4	1.124	40.3	175.2809825	161.6753831	No
18.36	0.943	39.45	173.1896545	154.7341768	No
18.33	0.845	37.71	169.1743249	153.6295033	No
18.3	0.85	33.7	161.1359522	148.4318686	No
18.28	0.826	32.77	159.4886987	151.3422043	No
18.28	0.88	33.56	160.8830896	147.6393062	No
18.25	0.683	27.92	152.0410894	140.3087739	No
18.24	0.654	27.77	151.838892	142.7874566	No
18.22	0.606	21.74	144.92698	137.3135964	No
18.21	0.598	21.72	144.9077339	140.0630332	No
18.2	0.589	22.15	145.3265626	143.4336702	No
18.19	0.643	24.27	147.5501537	137.0931747	No
18.2	0.685	21.77	144.9558917	136.0189258	No
18.21	0.712	22.14	145.3167019	136.6863414	No
18.19	0.633	21.56	144.7545841	136.5881268	No
18.18	0.623	18.74	142.2872777	142.947425	No
18.14	0.672	8.87	136.766555	138.6490964	No
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18.11	0.619	6.681	136.1378747	151.1063813	No
18.06	0.575	0.9	135.4455	156.5807225	No
18.02	0.615	359.6	135.4803714	153.6858723	No
17.98	0.555	356.4	135.8643244	155.4768494	No
17.92	0.575	2.416	135.4929258	141.5325469	No
17.89	0.618	11.2	137.6639493	139.9716454	No
17.88	0.641	18	141.7100752	139.1187025	No
17.88	0.648	22.51	145.6854033	139.5953112	No
17.9	0.656	23.65	146.8719988	136.7437498	No
17.94	0.766	24.26	147.5390287	136.6547251	No
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18.05	0.935	22.24	145.415569	136.1689457	No
18.09	0.891	19.73	143.1043908	135.9814895	No
18.1	0.913	21.41	144.612323	136.0870884	No
18.13	1.002	24.06	147.3178229	136.171967	No
18.12	0.96	20.66	143.9199341	135.8947594	No
18.08	0.958	17.92	141.6493683	136.3925241	No
18.03	0.952	16.65	140.7291424	135.8580123	No
17.97	0.912	15.23	139.7950453	135.9910715	No
17.9	0.869	15.07	139.6959361	135.9169424	No

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7/31/2019	3:08	16.9	0.067
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7/31/2019	3:10	16.85	0.047
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353.8	136.4921301	16.71
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317.5	186.4164902	16.62
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0.249	359.6
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0.209	8.5
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0.185	356.3
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0.188	336.4
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0.443	11.72	137.897064	17.41	0.682	11.86	137.9619039
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0.426	351.1	137.4512019	17.34	0.636	359.9	135.4661321
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0.211	0.752	135.4459519	17.29	0.396	3.666	135.6034849
0.225	8.04	136.5040334	17.27	0.409	8.6	136.6778973
0.292	9.18	136.87224	17.26	0.437	9.35	136.9319684
0.378	13.65	138.8697047	17.27	0.576	14.63	139.4297068
0.443	13.57	138.825979	17.31	0.686	13.78	138.9413956
0.508	15.22	139.7888149	17.34	0.724	14.65	139.4416079
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0.45	17.42	141.2773534	17.33	0.689	14.47	139.3351827
0.415	16.68	140.7499462	17.28	0.598	15.18	139.7639415
0.464	9.85	137.1149459	17.27	0.71	11.85	137.9572431
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0.592	18.42	142.0341926	17.35	0.657	19	142.4968525
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0.427	346.6	139.7763685	17.3	0.656	357.4	135.6986053
0.368	339	145.9799608	17.3	0.538	352.9	136.7766005
0.293	330.1	157.6854758	17.27	0.427	345.9	140.2234999
0.276	327.7	161.8681603	17.26	0.439	348.2	138.8423412
0.248	327.1	162.994021	17.26	0.401	345.9	140.2234999
0.291	322.1	173.7955882	17.26	0.418	343.6	141.8632814
0.333	337.6	147.4724086	17.27	0.493	353.4	136.6142539
0.357	348.8	138.5230334	17.3	0.566	359.6	135.4803714
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0.268	353.7	136.5220169	17.29	0.506	2.15	135.47774
0.234	352.1	137.0589052	17.27	0.419	360	135.4622116
0.237	329	159.540656	17.23	0.414	345	140.8336095
0.276	332.1	154.5640391	17.21	0.493	346.3	139.9650888
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17.83	0.867	20.08	143.4057968	138.1858478	No
17.82	0.866	22.3	145.4751667	138.4322489	No
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17.77	0.877	10.73	137.4636531	135.9550177	No
17.7	0.75	11	137.577514	135.8316373	No
17.62	0.699	14.48	139.3410549	138.0752886	No
17.57	0.645	19.68	143.0618716	147.4559202	No
17.56	0.666	27.9	152.0140384	150.3895633	No
17.59	0.68	23.45	146.6582211	138.5550861	No
17.66	0.779	24.57	147.8867821	137.4687425	No
17.7	0.705	15.52	139.9778248	136.2393044	No
17.73	0.751	11.44	137.7700327	137.3151252	No
17.75	0.877	8.27	136.5738095	145.0590037	No
17.76	0.881	9.93	137.1452374	143.5198376	No
17.73	0.784	9.37	136.939078	138.5449833	No
17.66	0.657	8.65	136.6940777	138.8045968	No
17.61	0.607	12.08	138.0655849	136.0754616	No
17.57	0.649	12.87	138.4560426	136.0689119	No
17.55	0.654	13.87	138.9914905	136.7596239	No
17.55	0.752	17.92	141.6493683	137.9505682	No
17.58	0.818	17.43	141.2846692	137.5274201	No
17.6	0.884	18.78	142.3192892	138.3445725	No
17.61	0.915	21.22	144.433946	139.5109269	No
17.63	0.944	20.83	144.0741321	138.8120372	No
17.62	0.915	22.36	145.5349729	139.6003593	No
17.66	0.946	19.36	142.7929175	137.0629779	No
17.69	0.933	20.84	144.0832523	137.1092611	No
17.78	0.988	30.65	156.0074694	140.3570947	No
17.75	0.813	19	142.4968525	137.1143185	No
17.74	0.86	14.82	139.5435354	137.6583992	No
17.72	0.804	11	137.577514	147.8616146	No
17.69	0.686	6.833	136.1749281	157.2281219	No
17.64	0.594	4.299	135.6841871	157.4393634	No
17.62	0.582	5.55	135.8927895	157.155198	No
17.59	0.533	1.951	135.4682906	159.9205529	No
17.57	0.573	359.6	135.4803714	167.2689979	No
17.57	0.649	4.583	135.7258116	153.0872111	No
17.57	0.704	7.717	136.4098723	150.7938807	No
17.57	0.756	11.07	137.6075633	138.757078	No
17.58	0.715	12.2	138.1230627	136.569097	No
17.56	0.646	10.02	137.1796512	141.2133303	No
17.53	0.611	358.4	135.5745369	158.9859322	No
17.5	0.701	352	137.0961561	159.6988913	No
17.55	0.707	342.8	142.4968525	168.4095608	No
17.56	0.623	342	143.1641434	156.86984	No
17.55	0.671	337.7	147.3618674	153.1793601	No
17.56	0.649	337.5	147.5835656	156.8999299	No
17.53	0.59	331.1	156.0853794	160.4918271	No

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7/31/2019	4:08	16.31	0.126
7/31/2019	4:09	16.28	0.138
7/31/2019	4:10	16.27	0.145
7/31/2019	4:11	16.25	0.168
7/31/2019	4:12	16.24	0.186
7/31/2019	4:13	16.21	0.163
7/31/2019	4:14	16.19	0.178
7/31/2019	4:15	16.18	0.153
7/31/2019	4:16	16.17	0.12
7/31/2019	4:17	16.16	0.118
7/31/2019	4:18	16.16	0.098
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7/31/2019	4:20	16.16	0.061
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7/31/2019	4:31	16.14	0.072
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323.9	169.5961403	16.13

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0.225	287.8
0.245	285.8
0.246	287.8
0.251	281.3
0.283	278.6
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0.324	276.3
0.302	278.4
0.281	288.6
0.302	296.5
0.276	309
0.296	306.8
0.31	306.5
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0.293	308.1
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0.206	306.8
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0.132	324.8
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0.154	38.62
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0.27	40
0.207	32.47
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0.282	277.3	142.1607573	16.93	0.357	291.7	151.1242187
0.329	280.3	143.1976347	16.9	0.389	291.7	151.1242187
0.271	283	144.4847842	16.87	0.383	289.9	149.4151502
0.285	284.2	145.1683796	16.81	0.396	290.5	149.9641021
0.325	282.7	144.324759	16.79	0.413	291.4	150.8262993
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0.328	281.4	143.6807474	16.74	0.476	282.7	144.324759
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0.299	281.3	143.6345036	16.67	0.492	277	142.0792607
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0.328	294.2	153.8193224	16.58	0.53	291.2	150.6306288
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0.372	305	170.6093072	16.56	0.55	302.1	165.1633188
0.354	310.8	184.1517432	16.5	0.575	305.1	170.8114111
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0.305	308	177.1284437	16.45	0.541	304.8	170.2080831
0.271	308.2	177.5983781	16.44	0.479	306.7	174.1845669
0.263	306.8	174.4043676	16.42	0.439	307.1	175.0703199
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0.109	4.334	135.6891354	16.4	0.21	348.1	138.8971847
0.158	34.04	161.757402	16.39	0.249	11.24	137.6814508
0.195	36.6	166.7876462	16.42	0.278	12.91	138.4765724
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0.331	45.53	190.3237827	16.62	0.544	39.47	173.2378524
0.334	38.11	170.0669929	16.64	0.441	34.97	163.5116598
0.227	46.53	193.6902646	16.66	0.38	39.77	173.9666048
0.142	50.04	186.7947389	16.61	0.258	38.76	171.555812
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0.151	304	168.6422867	16.52	0.223	327.8	161.6837458
0.157	327.8	161.6837458	16.53	0.266	353.1	136.7103661
0.204	355	136.1668004	16.55	0.34	5.015	135.7955768
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0.227	340.3	144.6975271	16.55	0.39	353.4	136.6142539
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0.321	336.9	148.2635581	16.64	0.489	346.4	139.9016992

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17.46	0.579	333.7	152.2858181	172.8060736	No
17.44	0.564	333.5	152.5604335	166.1328985	No
17.39	0.502	324.8	167.6326681	153.3871362	No
17.36	0.5	323.2	171.184873	153.8355994	No
17.32	0.485	317.2	187.3466876	146.3007834	No
17.26	0.525	315.7	192.2210107	148.0446752	No
17.21	0.508	307.2	175.2945059	146.5225881	No
17.16	0.522	305.4	171.4237479	147.2829406	No
17.12	0.553	308.2	177.5983781	147.1978232	No
17.1	0.557	304.8	170.2080831	146.1353024	No
17.08	0.594	300.9	163.1300876	144.0099389	No
17.07	0.62	298.1	158.8398912	142.9419437	No
17.04	0.625	292.4	151.8402112	142.9989909	No
17.01	0.606	288.4	148.1307424	144.207132	No
16.98	0.613	298.1	158.8398912	147.793495	No
16.97	0.672	302.7	166.2266321	154.373853	No
16.96	0.73	304.5	169.6136358	168.8017022	No
16.89	0.729	302.8	166.4069628	167.8097155	No
16.81	0.775	306.1	172.8883094	174.1955698	No
16.75	0.79	305.7	172.0452245	169.3101546	No
16.71	0.704	306	172.6759748	171.5176501	No
16.66	0.608	305.3	171.2186266	174.0471077	No
16.63	0.57	306.2	173.1016948	171.1586717	No
16.6	0.503	309.2	180.0191816	182.2011954	Yes
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16.57	0.433	312.5	188.9210494	170.6204194	No
16.55	0.307	326.4	164.3504379	148.4228981	No
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16.55	0.295	354	136.4336422	158.3401122	No
16.61	0.381	356.8	135.7930238	161.7903613	No
16.68	0.44	9.82	137.1036589	169.605474	No
16.72	0.504	29.27	153.9332726	178.45433	Yes
16.77	0.619	35.35	164.2519878	187.3942122	Yes
16.81	0.629	39.7	173.7955882	171.1111307	No
16.84	0.666	36.32	166.2059827	174.404424	No
16.92	0.676	35.38	164.3110287	161.3474829	No
16.98	0.585	44.72	187.7228164	172.6123124	No
16.91	0.381	43.25	183.2713503	176.1943736	Yes
16.91	0.352	30.42	155.6516072	140.4375621	No
16.92	0.394	27.18	151.0587788	137.9336612	No
16.93	0.437	20.28	143.5810086	152.4094642	No
16.93	0.421	10.08	137.2027914	167.0655559	No
16.89	0.388	3.799	135.6190598	167.0840674	No
16.86	0.476	12.08	138.0655849	153.8650927	No
16.85	0.568	15.58	140.0161491	143.523839	No
16.85	0.563	12.08	138.0655849	144.5305349	No
16.83	0.565	3.35	135.5694232	146.6014224	No
16.86	0.671	0.416	135.4503327	143.4909373	No
16.92	0.742	0.351	135.451718	142.6982075	No
16.98	0.709	352.8	136.810367	151.0916376	No

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7/31/2019	5:16	15.86	0.067
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7/31/2019	5:19	15.86	0.029
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7/31/2019	5:23	15.89	0.109
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7/31/2019	5:34	15.75	0.086
7/31/2019	5:35	15.75	0.109

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260.5	143.6345036	15.92
233.7	177.3628294	15.9
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175	136.1668004	15.74
138.3	184.0049395	15.72
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66.41	155.2412951	15.71
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170	137.9340071	15.69
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123.5	167.6946976	15.63
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68.57	152.7277124	15.66
64.48	157.7508512	15.69
58.7	166.9533691	15.72
30.59	155.9142367	15.74
39.92	174.3350823	15.72
35	163.5696028	15.7
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296.8	157.0491672	15.61
293.8	153.3619607	15.61
284.3	145.2285189	15.62
285.7	146.1226545	15.63
300.9	163.1300876	15.63
298.6	159.5615734	15.64

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0.188	304.7
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0.067	119.1
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0.136	322.4

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0.275	298	158.6977847	16.52	0.438	306.7	174.1845669
0.294	292.8	152.2626427	16.49	0.446	301.5	164.1314071
0.278	291.7	151.1242187	16.5	0.452	299.4	160.7556316
0.255	293.8	153.3619607	16.48	0.45	296	156.0067
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0.191	270.7	141.2756607	16.33	0.554	267.1	141.5860815
0.222	269.2	141.3370081	16.25	0.558	265.1	142.0017483
0.195	270.1	141.2885722	16.22	0.468	265.4	141.9282093
0.149	268.9	141.3609132	16.21	0.385	265.1	142.0017483
0.11	255.7	146.3962542	16.2	0.257	261.1	143.3668232
0.067	235.6	173.1016948	16.19	0.152	251.4	149.8711879
0.051	159.4	145.5749597	16.17	0.068	184.8	135.759882
0.12	149.1	159.3677662	16.14	0.158	124.8	170.2080831
0.092	156.4	148.8475437	16.11	0.166	131.7	186.6257896
0.087	198.1	141.786421	16.08	0.125	186.8	136.1668004
0.071	210.1	155.1633342	16.07	0.107	197.9	141.6342428
0.082	157.1	148.034394	16.03	0.134	142.8	172.1177686
0.071	160.1	144.8885107	16	0.117	135.9	191.5488631
0.084	150.2	157.5218261	15.98	0.137	132.2	188.0494405
0.079	136.9	188.2914027	15.96	0.148	122.6	166.0471971
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0.144	83.8	142.366475	15.98	0.205	89.7	141.3057907
0.205	74.64	147.1610966	16.02	0.281	82.6	142.7702052
0.182	59.76	165.0587282	16.07	0.396	66.58	155.032445
0.268	55.79	172.6971611	16.1	0.52	64.62	157.5600427
0.207	49.47	188.4255142	16.09	0.444	59.97	164.6951218
0.16	56.28	171.6712343	16.05	0.365	61.77	161.7309403
0.139	66.92	154.6205005	16.04	0.304	70.2	151.0243214
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0.075	118.5	159.4157407	15.95	0.133	100.6	143.3238336
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0.205	71.8	149.5052253	16.02	0.356	66.74	154.8376364
0.174	60.66	163.5269946	16.04	0.38	63.85	158.6270078
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0.135	10.43	137.3409357	16	0.264	40.29	175.25586
0.134	0.654	135.4467484	15.97	0.25	23.95	147.1972059
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0.173	338.9	146.0826775	15.95	0.342	329.1	159.3677662
0.179	332	154.712722	15.99	0.319	336.7	148.4952449
0.185	322.9	171.8828066	16.01	0.305	328.7	160.0645165
0.136	323.2	171.184873	16	0.273	326.9	163.3767931
0.165	327.2	162.8040494	16	0.29	336.4	148.8475437
0.183	328.8	159.8890273	16.01	0.3	335.8	149.5695304

17.01	0.613	337.9	147.1426245	174.5029513	No
16.99	0.637	322.9	171.8828066	175.7327146	Yes
16.96	0.608	322	174.0400802	167.5651124	No
16.93	0.597	321.7	174.7809062	165.6132196	No
16.92	0.603	320.1	178.9252109	155.2574406	No
16.92	0.602	320.1	178.9252109	152.3340577	No
16.91	0.58	315.6	192.5597384	151.0291731	No
16.87	0.564	300.5	162.4791534	143.9728654	No
16.73	0.503	275.1	141.6552183	141.431339	No
16.58	0.542	269.7	141.3057907	141.6535295	No
16.49	0.486	270	141.2922309	141.5080791	No
16.44	0.404	272.6	141.3370081	142.0684754	No
16.41	0.35	275.4	141.7116497	153.5235004	No
16.4	0.241	286.7	146.8220309	159.9747094	No
16.4	0.095	283.9	144.9909076	146.5336379	No
16.36	0.061	138.3	184.0049395	162.1439352	No
16.32	0.066	124.6	169.810806	169.6081193	No
16.28	0.049	301.3	163.7942737	140.3330557	No
16.24	0.061	254.9	146.9680947	156.0984653	No
16.2	0.119	167.4	139.2942101	166.0702589	No
16.16	0.115	168.9	138.471433	155.005753	No
16.13	0.083	176.8	135.7930238	178.4319873	Yes
16.1	0.075	151.5	155.4675767	166.416257	No
16.08	0.115	88.6	141.3887034	145.4467032	No
16.1	0.23	78.13	144.857826	146.2010479	No
16.19	0.396	69.87	151.3562367	151.4290393	No
16.35	0.535	62.9	160.0036074	158.6566018	No
16.48	0.602	63.68	158.8684012	162.2673968	No
16.52	0.628	68.58	152.7167667	170.5354713	No
16.49	0.556	71.53	149.7512529	162.0908198	No
16.45	0.523	81	143.4102756	152.4998036	No
16.34	0.419	85.9	141.8144468	160.6164274	No
16.24	0.312	92.6	141.3370081	142.7302279	No
16.24	0.307	87.1	141.5860815	144.2387327	No
16.23	0.334	86.7	141.6552183	157.4989613	No
16.24	0.421	82.5	142.8067836	144.2731957	No
16.24	0.508	73.67	147.9126155	152.6821644	No
16.26	0.564	71.17	150.0857469	158.1883448	No
16.25	0.568	69.33	151.9134332	169.2351085	No
16.23	0.499	58.4	167.507983	168.7544009	No
16.19	0.431	53.88	176.9417682	159.9042049	No
16.2	0.385	40.25	175.1554952	145.4933598	No
16.22	0.33	23.39	146.5945571	139.2164632	No
16.21	0.343	358.3	135.5850754	149.1594728	No
16.26	0.403	358.1	135.6073966	153.2436658	No
16.29	0.41	359.1	135.5123672	164.5534556	No
16.3	0.41	3.583	135.5941372	160.7288167	No
16.28	0.38	357.5	135.6843278	160.761124	No
16.25	0.348	358.3	135.5850754	159.4667343	No
16.25	0.37	5.417	135.867503	165.1425834	No
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7/31/2019	5:37	15.75	0.052
7/31/2019	5:38	15.76	0.058
7/31/2019	5:39	15.75	0.076
7/31/2019	5:40	15.74	0.081
7/31/2019	5:41	15.72	0.056
7/31/2019	5:42	15.7	0.048
7/31/2019	5:43	15.69	0.094
7/31/2019	5:44	15.68	0.108
7/31/2019	5:45	15.66	0.163
7/31/2019	5:46	15.63	0.123
7/31/2019	5:47	15.61	0.137
7/31/2019	5:48	15.58	0.133
7/31/2019	5:49	15.55	0.144
7/31/2019	5:50	15.52	0.145
7/31/2019	5:51	15.5	0.155
7/31/2019	5:52	15.49	0.202
7/31/2019	5:53	15.47	0.212
7/31/2019	5:54	15.45	0.206
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7/31/2019	6:17	15.64	0.113
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7/31/2019	6:22	15.72	0.112
7/31/2019	6:23	15.74	0.104
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351.7	137.21054	15.66
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76.39	145.9293741	15.66
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289.1	148.7146909	15.42
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303.3	167.3221929	15.38
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291.7	151.1242187	15.39
292.3	151.7361232	15.4
294.8	154.5246801	15.41
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0.368	280.9
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0.235	296.5
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0.219	360	135.4622116	16.05	0.362	9.97	137.1604885
0.261	13.14	138.5960482	16.11	0.435	21.83	145.0138691
0.265	17.29	141.1827081	16.16	0.483	26.15	149.753695
0.149	41.24	177.6994887	16.15	0.318	33.25	160.3293909
0.058	141	176.5532489	16.04	0.152	91.5	141.2825466
0.067	164.2	141.4098131	15.98	0.094	84.3	142.2173074
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0.151	267.2	141.5698857	15.91	0.297	277.4	142.1888102
0.246	254.6	147.1911034	15.87	0.47	260.8	143.4985715
0.224	291.6	151.0243214	15.84	0.472	295.4	155.2536405
0.257	290.3	149.7788447	15.88	0.571	278.9	142.6631883
0.227	274.2	141.5094486	15.81	0.588	267.3	141.5541247
0.214	278.8	142.6284203	15.76	0.608	267.2	141.5698857
0.271	282.9	144.4309631	15.74	0.597	275	141.6372805
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0.347	287.6	147.4958051	15.71	0.682	277.1	142.105983
0.377	291.2	150.6306288	15.66	0.685	281.3	143.6345036
0.307	303.2	167.137323	15.61	0.589	289.4	148.9731899
0.257	311.5	186.0662962	15.58	0.497	297.4	157.8605159
0.274	316	191.2154206	15.6	0.492	298.3	159.1263255
0.201	321	176.5532489	15.61	0.409	300.8	162.9661204
0.228	315.1	194.2803784	15.63	0.443	298.6	159.5615734
0.232	304.2	169.0279442	15.66	0.489	292.6	152.0502072
0.223	297.8	158.4157786	15.68	0.509	290.5	149.9641021
0.267	293.2	152.6948941	15.71	0.535	289.6	149.1482972
0.248	291.6	151.0243214	15.74	0.517	289.6	149.1482972
0.209	297.6	158.1366964	15.76	0.471	291.4	150.8262993
0.178	313.1	190.7045403	15.77	0.402	300.2	161.9995159
0.141	331.3	155.7749165	15.76	0.383	309.1	179.7716623
0.135	339.2	145.7762909	15.77	0.355	313.5	191.9241395
0.126	333.8	152.1495751	15.79	0.335	311.5	186.0662962
0.156	323.9	169.5961403	15.82	0.397	307.2	175.2945059
0.177	315.8	191.884056	15.83	0.436	305.4	171.4237479
0.225	310.2	182.5632711	15.86	0.481	303.3	167.3221929
0.227	306.8	174.4043676	15.87	0.501	300.1	161.8412498
0.188	315.2	193.9326112	15.87	0.478	302.2	165.3383346
0.177	323.2	171.184873	15.88	0.429	305.5	171.6298847
0.2	331.3	155.7749165	15.9	0.427	313.4	191.6169031
0.204	345.4	140.557513	15.93	0.401	321.5	175.2809825
0.224	343.1	142.25535	15.96	0.444	322.2	173.55231
0.28	334.1	151.7450728	15.98	0.531	320	179.1954466
0.304	331.5	155.4675767	16.01	0.537	318.8	182.5470487
0.293	328.3	160.7752562	16.01	0.557	317.7	185.8042924
0.319	328.3	160.7752562	16.03	0.553	316.7	188.9294126
0.292	333.9	152.0140384	16.03	0.535	320.7	177.3320297
0.299	334.2	151.6116385	16.04	0.542	320.5	177.8577632
0.311	332	154.712722	16.04	0.529	320.6	177.5942369
0.309	333.8	152.1495751	16.06	0.532	323.1	171.416365
0.337	330.3	157.3589946	16.08	0.593	321.4	175.5328989
0.375	327.7	161.8681603	16.11	0.662	319.2	181.4071437

16.25	0.427	11.87	137.9665692	143.205435	No
16.28	0.518	18.77	142.3112785	136.3386269	No
16.32	0.583	24.32	147.6058711	142.2903109	No
16.38	0.661	28.47	152.7961027	143.1847499	No
16.41	0.482	35.64	164.8263973	169.1721487	No
16.28	0.196	54.23	176.133692	166.5386895	No
16.2	0.144	28.38	152.6710786	149.717603	No
16.15	0.106	278.6	142.5602372	157.4735033	No
16.13	0.319	299.1	160.3021067	142.4898199	No
16.06	0.449	280.9	143.4541915	144.7157856	No
16.12	0.573	314.2	195.7142115	147.9112457	No
16.19	0.638	290.5	149.9641021	145.5336607	No
16.1	0.593	276.5	141.9522815	141.5978924	No
16.01	0.547	273.7	141.4436643	143.7445828	No
15.97	0.615	276.8	142.0271438	144.2190275	No
15.93	0.619	280.2	143.1564895	149.9420508	No
15.92	0.766	282.4	144.169036	144.8286037	No
15.86	0.811	286.5	146.6780426	146.7872148	No
15.79	0.735	293.5	153.0256028	156.55095	No
15.77	0.667	296.9	157.1826166	166.0957077	No
15.81	0.649	297.5	157.9982448	171.7215371	No
15.86	0.567	299.7	161.2161624	163.7679099	No
15.9	0.587	300.8	162.9661204	166.3924632	No
15.96	0.607	302.2	165.3383346	155.4251862	No
15.99	0.621	302.7	166.2266321	152.0791143	No
16	0.633	302.3	165.5142265	149.9224841	No
16.01	0.633	303.7	168.0709172	147.9585752	No
16.04	0.605	304.4	169.4174385	150.8820076	No
16.01	0.542	310.6	183.6169505	168.370448	No
16.02	0.516	319.3	181.1257634	164.6432231	No
16.05	0.492	320.4	178.1226162	166.1451513	No
16.09	0.472	320.1	178.9252109	164.1296297	No
16.12	0.517	317.3	187.035022	164.8530343	No
16.13	0.549	315.3	193.5866754	166.2377101	No
16.16	0.604	312.6	189.2145397	162.4136453	No
16.18	0.663	309.5	180.7691609	159.0485675	No
16.21	0.62	311.3	185.5124012	166.2680689	No
16.22	0.588	313.7	192.5433417	165.5517515	No
16.26	0.544	317	187.9748679	177.5305264	Yes
16.29	0.521	319.3	181.1257634	161.3500545	No
16.29	0.56	320.1	178.9252109	160.4660838	No
16.32	0.642	318.8	182.5470487	174.1462561	No
16.34	0.686	320	179.1954466	174.2214203	No
16.36	0.693	319.6	180.290119	177.3117823	Yes
16.39	0.692	319	181.9742025	178.0338824	Yes
16.39	0.671	321.2	176.0405229	170.440516	No
16.39	0.681	321.3	175.7860767	171.7845804	No
16.39	0.663	322.2	173.55231	171.7245428	No
16.41	0.676	323.7	170.0444603	168.7815663	No
16.43	0.732	321.3	175.7860767	173.6688155	No
16.45	0.772	320.5	177.8577632	177.2791042	Yes

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7/31/2019	6:28	15.85	0.14
7/31/2019	6:29	15.87	0.111
7/31/2019	6:30	15.89	0.141
7/31/2019	6:31	15.92	0.067
7/31/2019	6:32	15.98	0.048
7/31/2019	6:33	16.05	0.085
7/31/2019	6:34	16.12	0.122
7/31/2019	6:35	16.16	0.102
7/31/2019	6:36	16.21	0.151
7/31/2019	6:37	16.24	0.133
7/31/2019	6:38	16.26	0.165
7/31/2019	6:39	16.29	0.242
7/31/2019	6:40	16.36	0.252
7/31/2019	6:41	16.43	0.252
7/31/2019	6:42	16.49	0.234
7/31/2019	6:43	16.55	0.179
7/31/2019	6:44	16.59	0.127
7/31/2019	6:45	16.63	0.098
7/31/2019	6:46	16.68	0.079
7/31/2019	6:47	16.74	0.067
7/31/2019	6:48	16.82	0.079
7/31/2019	6:49	16.88	0.067
7/31/2019	6:50	16.94	0.062
7/31/2019	6:51	17	0.057
7/31/2019	6:52	17.05	0.071
7/31/2019	6:53	17.11	0.112
7/31/2019	6:54	17.15	0.128
7/31/2019	6:55	17.21	0.155
7/31/2019	6:56	17.24	0.127
7/31/2019	6:57	17.3	0.247
7/31/2019	6:58	17.38	0.222
7/31/2019	6:59	17.45	0.178
7/31/2019	7:00	17.53	0.207
7/31/2019	7:01	17.61	0.225
7/31/2019	7:02	17.69	0.33
7/31/2019	7:03	17.74	0.35
7/31/2019	7:04	17.82	0.337
7/31/2019	7:05	17.88	0.391
7/31/2019	7:06	17.93	0.281
7/31/2019	7:07	17.99	0.383
7/31/2019	7:08	18.02	0.423
7/31/2019	7:09	18.07	0.37
7/31/2019	7:10	18.14	0.313
7/31/2019	7:11	18.21	0.429
7/31/2019	7:12	18.27	0.363
7/31/2019	7:13	18.33	0.296
7/31/2019	7:14	18.4	0.281
7/31/2019	7:15	18.47	0.378
7/31/2019	7:16	18.53	0.33
7/31/2019	7:17	18.6	0.318

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305.1	170.8114111	16.12
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302.6	166.0471971	16.22
316.5	189.5740787	16.28
347.3	139.3528135	16.37
9.08	136.8376925	16.49
11.11	137.6248325	16.6
39.2	172.5912057	16.69
43.53	184.093601	16.8
49.62	187.9918021	16.88
35.43	164.4096248	16.93
40.43	175.6087195	17
44.49	187.0039437	17.1
32.39	158.8372479	17.2
30.91	156.4147555	17.29
7.693	136.403054	17.38
0.883	135.445506	17.46
344.1	141.484113	17.55
342.9	142.4158267	17.68
336.4	148.8475437	17.83
352.2	137.0220917	18.01
17.87	141.611593	18.18
353.8	136.4921301	18.35
343.1	142.25535	18.51
13.8	138.952495	18.62
12.21	138.1278821	18.73
24.59	147.9094229	18.8
21.14	144.359446	18.88
35.39	164.3307284	18.88
42.29	180.5394822	18.93
44.56	187.2218283	19.01
49.33	188.8332918	19.08
50.2	186.3453391	19.17
48.26	192.047474	19.25
60.83	163.2453572	19.29
64.12	158.2479798	19.24
69.78	151.4478853	19.25
76.93	145.5807491	19.26
73.71	147.8806341	19.25
73.86	147.761468	19.25
72.91	148.5366943	19.21
75.73	146.3754511	19.19
69.06	152.198655	19.27
58.26	167.7696433	19.35
54	176.6631365	19.36
59.2	166.0471971	19.41
52.53	180.1931781	19.49
58.42	167.4707512	19.56
52.1	181.2753983	19.61
50.08	186.6820493	19.67

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0.357	316
0.252	318.3
0.269	316.4
0.232	332.1
0.176	351.7
0.174	12.08
0.194	20.77
0.273	32.02
0.296	41.87
0.335	45.4
0.359	45.97
0.423	47.93
0.456	51
0.363	42.45
0.471	26.91
0.365	17.1
0.369	12.13
0.265	358
0.238	0.71
0.212	359.5
0.193	4.929
0.226	1.789
0.196	351.6
0.234	353.3
0.272	10.28
0.265	12.76
0.326	18.77
0.346	25.28
0.432	26.68
0.356	40.86
0.412	42.59
0.373	49.89
0.426	54.78
0.447	53.52
0.551	62.2
0.631	64.52
0.518	69.61
0.556	71.04
0.479	70.81
0.59	71.36
0.69	71.96
0.543	69.88
0.532	63.49
0.68	62.26
0.669	53
0.653	57.61
0.56	56.74
0.706	55.52
0.668	57.46
0.612	54.85

189.898934	16.05
191.2154206	16.07
184.0049395	16.1
189.898934	16.13
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137.21054	16.23
138.0655849	16.32
144.0195268	16.4
158.2146943	16.47
179.3854234	16.55
189.898934	16.61
191.7833137	16.66
193.0746687	16.74
184.1517432	16.86
180.9856069	16.98
150.7097577	17.06
141.0459134	17.15
138.0894546	17.23
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135.4462447	17.4
135.4859439	17.52
135.7810672	17.66
135.4618056	17.78
137.249547	17.91
136.6458601	18.04
137.2810697	18.14
138.399965	18.23
142.3112785	18.29
148.7059344	18.36
150.4163421	18.36
176.7080701	18.42
181.3789414	18.48
187.2193532	18.55
174.8917667	18.64
177.7876583	18.72
161.0618684	18.77
157.6961913	18.74
151.6223242	18.75
150.2083631	18.76
150.4276905	18.74
149.9082849	18.73
149.3613755	18.69
151.3460834	18.69
159.1407253	18.76
160.9696689	18.83
179.0364331	18.85
169.0085705	18.9
170.7304497	18.99
173.2731631	19.06
169.3001852	19.11
174.7361104	19.18

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0.385	324	169.3736382	16.14	0.591	318.9	182.2598979
0.343	324.2	168.9319213	16.16	0.477	317.6	186.1096044
0.329	324	169.3736382	16.18	0.511	319.3	181.1257634
0.264	332	154.712722	16.22	0.444	327.2	162.8040494
0.241	345.4	140.557513	16.27	0.357	340.8	144.2299319
0.263	5.789	135.940094	16.34	0.33	357.5	135.6843278
0.317	15.27	139.820015	16.41	0.414	9.53	136.9965823
0.316	30.13	155.2087741	16.49	0.453	22.67	145.8473086
0.367	36.43	166.433535	16.57	0.516	33.52	160.811165
0.332	42.19	180.2624819	16.63	0.568	39.35	172.9493824
0.406	41.2	177.5942369	16.7	0.626	42.15	180.1520732
0.523	39.65	173.6737978	16.79	0.76	43.42	183.769172
0.522	45.6	190.5537426	16.93	0.756	44.41	186.7558938
0.519	32.73	159.4195428	17.02	0.613	33.9	161.5002424
0.559	23.28	146.4784002	17.11	0.784	25.48	148.942463
0.514	13.14	138.5960482	17.17	0.677	13.24	138.6487559
0.453	7.72	136.4107264	17.22	0.623	11.8	137.9340071
0.42	359.5	135.4859439	17.26	0.497	3.721	135.6098366
0.371	0.305	135.4528037	17.32	0.453	2.99	135.5356618
0.308	4.023	135.6469518	17.4	0.415	4.651	135.7362768
0.301	1.234	135.4478014	17.5	0.369	4.986	135.7906495
0.263	1.669	135.4577004	17.6	0.403	0.113	135.4582783
0.274	354.4	136.3217962	17.69	0.371	354.6	136.2684311
0.276	354.9	136.1915717	17.78	0.404	359	135.5200067
0.303	13.45	138.7609492	17.86	0.483	9.36	136.935521
0.368	12	138.0276292	17.93	0.485	11.34	137.7255177
0.382	17.44	141.29199	17.98	0.519	16.37	140.5371254
0.406	19.51	142.9183087	18.04	0.569	21.69	144.8789076
0.43	25.39	148.8357077	18.05	0.654	25.97	149.5328747
0.458	36.8	167.2080708	18.1	0.583	34.99	163.5502789
0.502	41.8	179.1954466	18.16	0.593	36.62	166.8295021
0.459	51.61	182.5371978	18.23	0.533	44.88	188.2279646
0.446	58.74	166.8800431	18.32	0.546	51.66	182.4070262
0.484	55.33	173.6831248	18.41	0.586	54	176.6631365
0.721	63.39	159.2851335	18.47	0.778	60.45	163.87824
0.787	70.72	150.5143495	18.46	0.886	66.4	155.2536405
0.642	75.87	146.278978	18.47	0.703	69.94	151.285289
0.728	75.96	146.2174875	18.48	0.846	72.03	149.2988942
0.732	77.64	145.1444616	18.47	0.727	72.29	149.0692232
0.733	74.23	147.4726592	18.46	0.855	71.73	149.5686137
1.028	72.51	148.8778287	18.44	1.091	68.5	152.8045061
0.724	75.95	146.2242994	18.44	0.75	67.11	154.393612
0.706	67.22	154.263334	18.52	0.757	63.27	159.4594115
0.81	68.47	152.8375112	18.56	0.984	64.34	157.9430667
0.847	60.24	164.2332085	18.59	0.967	57.03	170.1482408
0.718	64.31	157.9844394	18.63	0.872	59.37	165.744202
0.64	67.32	154.1455828	18.71	0.678	59.82	164.9544507
0.855	59.87	164.8677915	18.79	0.961	56.5	171.2186266
0.83	62.52	160.5733857	18.84	0.899	58.37	167.5639002
0.78	56.78	170.6496481	18.91	0.81	52.9	179.2802945

16.45	0.763	320.8	177.0711342	174.7648591	No
16.46	0.732	319.9	179.4670474	178.4150919	Yes
16.45	0.624	320.5	177.8577632	180.0170288	Yes
16.46	0.604	321.3	175.7860767	176.6113832	Yes
16.49	0.53	325.8	165.5509953	165.4137223	No
16.53	0.453	335.8	149.5695304	140.3376996	No
16.61	0.425	350.3	137.796957	136.6319248	No
16.68	0.496	4.176	135.6672017	139.6152391	No
16.75	0.531	16.65	140.7291424	157.9654957	No
16.82	0.612	32.45	158.9392902	172.6809311	No
16.88	0.688	43.2	183.1257514	182.7756501	Yes
16.97	0.87	47.3	195.0846305	178.4848121	Yes
17.07	0.947	47.83	193.3893829	181.5315895	Yes
17.21	0.928	46.98	195.2639725	187.1163308	Yes
17.27	0.815	38.22	170.3155898	165.18566	No
17.32	0.897	28.97	153.5013467	150.6363441	No
17.37	0.783	21.38	144.5840232	138.6734429	No
17.4	0.727	20.16	143.4756204	136.9699235	No
17.44	0.629	13.72	138.9082094	137.0497683	No
17.49	0.544	14.45	139.3234526	137.2126342	No
17.56	0.526	11.63	137.8558479	138.929179	No
17.64	0.511	13.22	138.6381773	136.0104025	No
17.73	0.509	7.962	136.4808856	136.9973443	No
17.82	0.456	3.141	135.5491692	136.5829761	No
17.92	0.441	4.881	135.7731032	137.6531971	No
18	0.543	13.77	138.9358529	137.9825087	No
18.05	0.563	14.6	139.411891	138.0702485	No
18.08	0.623	18.5	142.096964	143.0124542	No
18.13	0.687	24.96	148.3327984	145.2156492	No
18.14	0.752	30.05	155.0877545	153.2789132	No
18.17	0.704	38.68	171.3699747	172.0014755	No
18.22	0.764	38.46	170.8627055	178.6564296	Yes
18.28	0.651	48.46	191.4333126	186.7044519	Yes
18.37	0.668	56.39	171.4443158	177.6310438	Yes
18.46	0.684	57.61	169.0085705	180.0453484	Yes
18.55	0.915	62.56	160.5128852	161.8676498	No
18.53	1.051	71.37	149.8990021	155.4280403	No
18.55	0.916	74.35	147.3805523	150.1586191	No
18.56	1.099	74.93	146.9460525	147.8263735	No
18.55	1.004	79.59	144.0726264	148.1305023	No
18.53	1.085	74.68	147.1311738	148.6777565	No
18.51	1.335	71.75	149.5504745	149.8951011	No
18.51	0.932	72.87	148.5704117	149.5848615	No
18.6	0.944	67.77	153.6236958	156.2655315	No
18.64	1.219	68.92	152.3483034	159.8799725	No
18.63	1.219	61.51	162.142643	172.5202548	No
18.66	0.999	65.7	156.1345891	164.6961022	No
18.76	0.915	62.48	160.6340101	167.5059153	No
18.83	1.162	61.47	162.2064648	169.2075831	No
18.87	1.158	66.09	155.63968	169.6782173	No
18.95	1.058	59.64	165.2682234	177.8370256	Yes

7/31/2019	7:18	18.65	0.407
7/31/2019	7:19	18.71	0.235
7/31/2019	7:20	18.77	0.275
7/31/2019	7:21	18.85	0.293
7/31/2019	7:22	18.92	0.353
7/31/2019	7:23	19	0.209
7/31/2019	7:24	19.08	0.342
7/31/2019	7:25	19.15	0.382
7/31/2019	7:26	19.21	0.355
7/31/2019	7:27	19.29	0.355
7/31/2019	7:28	19.33	0.484
7/31/2019	7:29	19.37	0.459
7/31/2019	7:30	19.38	0.508
7/31/2019	7:31	19.42	0.487
7/31/2019	7:32	19.42	0.422
7/31/2019	7:33	19.45	0.532
7/31/2019	7:34	19.47	0.473
7/31/2019	7:35	19.51	0.49
7/31/2019	7:36	19.55	0.423
7/31/2019	7:37	19.63	0.356
7/31/2019	7:38	19.72	0.326
7/31/2019	7:39	19.8	0.418
7/31/2019	7:40	19.85	0.413
7/31/2019	7:41	19.91	0.491
7/31/2019	7:42	19.95	0.438
7/31/2019	7:43	20	0.458
7/31/2019	7:44	20.06	0.509
7/31/2019	7:45	20.15	0.427
7/31/2019	7:46	20.21	0.362
7/31/2019	7:47	20.31	0.418
7/31/2019	7:48	20.38	0.44
7/31/2019	7:49	20.46	0.482
7/31/2019	7:50	20.52	0.347
7/31/2019	7:51	20.57	0.483
7/31/2019	7:52	20.61	0.387
7/31/2019	7:53	20.68	0.421
7/31/2019	7:54	20.74	0.368
7/31/2019	7:55	20.84	0.297
7/31/2019	7:56	20.9	0.381
7/31/2019	7:57	20.98	0.385
7/31/2019	7:58	21.04	0.47
7/31/2019	7:59	21.06	0.482
7/31/2019	8:00	21.04	0.444

52.9	179.2802945	19.72
46.1	192.2210107	19.76
45.43	189.9967208	19.86
48.17	192.3259003	19.98
42.62	181.463591	20.1
58.39	167.5266128	20.19
54.23	176.133692	20.31
52.26	180.8700058	20.36
62.03	161.3246367	20.37
51.81	182.0184533	20.41
57.64	168.9505069	20.38
50.25	186.2056423	20.33
50.75	184.8278086	20.24
58.35	167.6012245	20.22
65.71	156.1217693	20.15
53.76	177.2220588	20.16
55.73	172.8244989	20.16
59.21	166.0293027	20.2
53.67	177.4333717	20.25
55.98	172.2964041	20.41
63.41	159.2561921	20.57
45.17	189.1542843	20.68
48.23	192.1401405	20.73
53.43	178.0014967	20.79
55.61	173.0803088	20.76
58.34	167.6199006	20.77
67.98	153.3845868	20.79
55.13	174.118838	20.88
61.77	161.7309403	20.96
58.1	168.0709172	21.04
68.72	152.5641802	21.11
45.57	190.4550855	21.17
59.72	165.1284204	21.23
42.78	181.9172373	21.27
56.65	170.9128381	21.28
72.27	149.0867562	21.39
61.1	162.802978	21.46
75.75	146.3616079	21.63
72.45	148.9297607	21.79
61.02	162.9334261	21.94
69.02	152.2412889	21.99
91.8	141.2922309	21.95
75.01	146.8875022	21.88

0.789	57.13
0.593	48.51
0.62	47.73
0.524	52.01
0.652	42.34
0.487	56.55
0.68	51.48
0.642	57.43
0.725	62.33
0.681	60
0.999	60.71
1.037	55.07
1.017	61.2
1.06	61.37
1.05	62.31
1.055	62.87
0.995	65.55
1.079	63.67
0.912	70.3
0.732	68.32
0.833	66.91
1.016	60.4
0.962	58.98
1.199	58.45
1.127	62.61
1.103	64.28
1.008	69.92
0.87	64.23
0.95	65.23
0.994	68.41
1.022	63.29
0.968	63.68
1.007	65.11
1.044	57.87
0.874	66.18
0.872	71.53
0.836	73.86
0.555	78.73
0.809	79.06
0.712	72.25
0.892	77.53
1.094	91.2
0.807	77.44

169.9494063	19.22
191.2807491	19.25
193.7057158	19.34
181.5048542	19.44
180.6785084	19.54
171.1164453	19.61
182.8771678	19.7
169.3587684	19.75
160.862459	19.76
164.6434892	19.81
163.4439099	19.78
174.2503931	19.75
162.6406568	19.69
162.3665857	19.68
160.8930513	19.62
160.0481871	19.63
156.32771	19.64
158.8826673	19.69
150.9250156	19.73
153.0033804	19.87
154.6325076	19.99
163.9624173	20.09
166.4431367	20.14
167.4149727	20.19
160.4374336	20.19
158.0258772	20.2
151.30553	20.22
158.0950849	20.3
156.7449008	20.37
152.9036899	20.45
159.4302901	20.51
158.8684012	20.55
156.9031858	20.6
168.5082065	20.63
155.5269372	20.65
149.7512529	20.74
147.761468	20.79
144.522745	20.96
144.3458467	21.07
149.1043114	21.2
145.2104254	21.23
141.2767366	21.17
145.2648389	21.12

1.052	58.19	167.9011565	18.96	1.07	54.5	175.5198021
0.683	54.09	176.4552452	18.99	0.812	47.13	195.6382653
0.635	48.62	190.946475	19.07	0.747	46.26	192.763831
0.618	55.55	173.2087831	19.18	0.636	48.86	190.2236158
0.765	45.86	191.4152766	19.27	0.843	40.76	176.4502928
0.602	63.66	158.8969407	19.34	0.631	57.95	168.3555402
0.782	54.22	176.1565863	19.42	0.879	52.13	181.1991412
0.809	63.8	158.6977847	19.47	0.828	56.44	171.3415778
0.91	66.41	155.2412951	19.47	0.895	59.74	165.0935569
0.852	66.22	155.4770048	19.52	0.794	55.58	173.1444984
1.142	64.14	158.2201154	19.5	1.241	60.28	164.1653068
1.109	57.73	168.7768326	19.47	1.168	52.82	179.4762566
1.127	64.74	157.3976066	19.44	1.184	59.07	166.2806371
1.249	62.72	160.2721187	19.43	1.366	59.32	165.8330518
1.206	67.29	154.18084	19.37	1.338	62.14	161.1543504
1.34	63.57	159.0257357	19.38	1.348	57.04	170.1283131
1.192	68.66	152.6294255	19.4	1.198	60.92	163.097228
1.221	67.44	154.0051372	19.44	1.34	61.44	162.254416
1.113	73.16	148.3279429	19.48	1.105	64.34	157.9430667
0.913	72.27	149.0867562	19.61	0.817	66.69	154.8983318
0.922	69.58	151.653288	19.72	0.971	62.61	160.4374336
1.182	62.77	160.1972833	19.81	1.232	55.85	172.5702
1.056	59.87	164.8677915	19.85	1.09	52.38	180.5680717
1.244	58.95	166.4974652	19.91	1.359	53.2	178.5523232
1.211	65.77	156.0449948	19.93	1.343	58.47	167.3778331
1.262	68	153.3619607	19.96	1.256	59.07	166.2806371
1.191	74.85	147.0049361	19.99	1.21	66.87	154.6806018
1.117	63.18	159.5908303	20.04	1.029	58.29	167.7134201
1.084	67.62	153.7962113	20.11	1.156	56.3	171.6298847
1.141	69.2	152.0502072	20.19	1.192	62.18	161.0926643
1.184	67.86	153.5208767	20.24	1.297	60.89	163.1465298
1.125	67.25	154.2279405	20.27	1.161	58.32	167.6572806
1.068	71.19	150.0669692	20.32	1.18	63	159.8555038
1.249	60.38	163.9961475	20.35	1.385	52.51	180.2430026
1.068	68.91	152.3590387	20.38	1.102	61.46	162.2224404
1.061	72.76	148.6635874	20.47	1.026	67.71	153.6925291
1.041	71.51	149.7696417	20.52	0.962	63.56	159.0400833
0.707	80.8	143.4985715	20.66	0.663	72.06	149.2722006
0.962	80.4	143.6807474	20.76	0.935	74.51	147.258926
0.885	75.46	146.5643398	20.88	0.888	69.15	152.1030868
1.195	79.73	144.0026829	20.9	1.155	73.48	148.0657023
1.306	92.7	141.344545	20.86	1.419	88.3	141.4203824
1.03	76.51	145.8506375	20.82	1.043	70.76	150.4757762

18.97	1.382	59.65	165.2507175	173.1626649	No
19.01	0.941	55.8	172.6759748	188.8988176	Yes
19.1	0.856	50.24	186.2335535	191.8531857	Yes
19.23	0.718	57.81	168.6231039	184.3157883	Yes
19.32	0.957	50.94	184.3132276	182.5019172	Yes
19.41	0.811	62.32	160.8777513	166.4738848	No
19.46	1.029	59.04	166.3347228	179.0916468	Yes
19.5	1.039	64.25	158.0673801	170.0670342	No
19.51	1.152	64.68	157.4786964	160.6304869	No
19.54	1.113	63.46	159.1839694	168.8208614	No
19.51	1.602	67.2	154.2869623	163.6949597	No
19.46	1.378	59.23	165.9935407	177.1772811	Yes
19.43	1.485	64.27	158.0397043	167.7866772	No
19.43	1.742	65.72	156.1089564	164.0182452	No
19.36	1.683	69.7	151.529758	158.0875028	No
19.38	1.735	64.64	157.5328987	166.6060737	No
19.4	1.604	70.22	151.004413	161.2197156	No
19.45	1.651	70.21	151.0143643	160.2928808	No
19.51	1.358	73.37	148.1552217	158.6573492	No
19.67	1.138	73.68	147.9046121	157.3212181	No
19.78	1.207	73.41	148.1225935	156.4948553	No
19.86	1.596	65.16	156.8371113	171.4710462	No
19.89	1.226	62.01	161.3557005	176.0047851	Yes
19.94	1.575	63.35	159.3431062	172.6165644	No
19.96	1.642	69.03	152.2306212	164.2351426	No
19.99	1.631	67.58	153.8424591	161.3220939	No
20.02	1.63	72.38	148.9906005	151.5939137	No
20.08	1.449	66.19	155.514444	164.8795433	No
20.12	1.393	66.03	155.7151463	160.9754843	No
20.21	1.51	72.55	148.8433181	158.5293697	No
20.24	1.688	68.95	152.3161345	157.1654692	No
20.27	1.543	68.04	153.3167846	167.8021769	No
20.31	1.534	72.66	148.7488701	157.9885198	No
20.35	1.581	62.97	159.8998549	173.6661485	No
20.4	1.352	69.3	151.9449052	160.2553136	No
20.5	1.424	73.38	148.1470565	150.2985314	No
20.57	1.19	65.13	156.876735	154.8435428	No
20.74	0.934	76.22	146.0421606	145.9137813	No
20.86	1.136	76.88	145.6124162	146.0538202	No
20.95	1.299	75.98	146.203879	152.676291	No
20.96	1.519	79.37	144.1844153	147.3800249	No
20.9	1.797	94.3	141.5239064	141.3334737	No
20.89	1.277	74.09	147.5810817	147.1196887	No

Chemical:
MRID:
PC Code:
Plot:
Guideline:

Plot soybean
Sampling Period
1
2
3
4
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6
7
8
9
10
11
12
13
14
15

Study authors excluded the data points from 0.9 m for period 3, 0.15 m for period 4, 0.15 m for period 7, 0.55 m for perio
The reviewer excldued all of these but the period 3 data point, as it followed the general trend of descreasing concentratic

Dicamba DGA and S-metolachlor
50958201
128931 (Dicamba DGA) and 108800 (S-metolachlor)
Soybean
835.8100

DTG	Air Concentrations (µg/m^3) at He		
	0.4	0.58	0.8
7/24, 11:32 - 15:23	0.011302013	0.009587337	0.006990248
7/24, 15:28 - 18:04	0.01067511	0.009676381	0.007029364
7/24-25, 18:09 - 7:41	0.003000471	0.002499579	0.002078606
7/25, 7:44 - 18:03		0.002894485	0.002760371
7/25-26, 18:07 - 7:21	0.001136512	0.000772059	0.000856288
7/26, 7:23 - 17:58	0.003491709	0.002461759	0.002319687
7/26-27, 17:39 - 7:47		0.000572264	0.000577903
7/27, 7:51 - 18:15	0.002705623	0.002516675	
7/27-28, 18:23 - 7:55	0.00080405	0.000603498	0.000577201
7/28, 7:57 - 17:56	0.00227462	0.001672389	0.00119422
7/28-29, 18:01 - 10:11	0.000792608	0.000658017	0.00048643
7/29, 10:13 - 18:05	0.000265716	0.000105781	0.000107995
7/29-30, 18:10 - 7:54	6.19193E-05	6.45901E-05	6.19637E-05
7/30, 7:57 - 18:05	8.20056E-05	8.15234E-05	8.0524E-05
7/30-31, 18:09 - 7:54	6.32433E-05	6.35612E-05	6.24997E-05

d 8, and 1.5 m for period 11 as outliers (Appendix III, Appendix B, p. 393 of the study report).
on with height.

ights (m)		Regressed Logarithmic Profile Quality		
1.15	1.75	m	b	r^2
0.00533328	0.00491221	-0.004630634	0.006712983	0.934942361
0.005621656	0.004397993	-0.004534759	0.006586949	0.966518521
0.001944182	0.000982968	-0.001270876	0.001850853	0.953990874
0.002348213	0.001916568	-0.000917445	0.0024642	0.975206696
0.000670969	0.000654003	-0.000292656	0.000760326	0.739028745
0.001711311	0.001337601	-0.001389101	0.00199082	0.942237139
0.000577699	0.000538336	-2.9314E-05	0.000566048	0.538578986
0.00149525	0.001059105	-0.001184003	0.001718717	0.980775485
0.000422515	0.000350645	-0.000298763	0.000492738	0.952709422
0.000877831	0.000740171	-0.001051827	0.001144682	0.928892457
0.000445002		-0.000346823	0.000461606	0.948134174
0.000106533	0.000107834	-8.55177E-05	0.000121929	0.48091825
6.17242E-05	6.24153E-05	-4.68304E-07	6.24303E-05	0.051884301
7.91894E-05	8.28234E-05	-9.28854E-08	8.11949E-05	0.001449144
6.26402E-05	6.17943E-05	-1.04949E-06	6.25411E-05	0.772326344

Note: Measured air concentrations should be corrected for low field spike recoveries <90 percent.

Chemical: Dicamba DGA and S-metolachlor
MRID: 50958201
PC Code: 128931 (Dicamba DGA) and 108800 (S-metolachlor)
Plot: Soybean
Guideline: 835.8100

		Average Temperature (°C) at Heights (r			
Sampling Period	DTG	0.4	0.58	0.8	1.15
1	7/24, 11:32 - 15:23	27.43	27.60	27.30	27.13
2	7/24, 15:28 - 18:04	28.08	28.56	28.11	27.89
3	7/24-25, 18:09 - 7:41	20.09	20.19	20.18	20.24
4	7/25, 7:44 - 18:03	27.58	28.32	27.48	27.03
5	7/25-26, 18:07 - 7:21	20.58	20.59	20.71	20.85
6	7/26, 7:23 - 17:58	26.68	26.97	26.55	26.31
7	7/26-27, 17:39 - 7:47	20.33	20.43	20.47	20.53
8	7/27, 7:51 - 18:15	28.29	28.52	28.08	27.84
9	7/27-28, 18:23 - 7:55	21.16	21.27	21.34	21.43
10	7/28, 7:57 - 17:56	29.31	29.71	29.13	28.84
11	7/28-29, 18:01 - 10:11	23.36	23.51	23.50	23.53
12	7/29, 10:13 - 18:05	27.62	27.78	27.43	27.28
13	7/29-30, 18:10 - 7:54	19.94	20.14	20.15	20.30
14	7/30, 7:57 - 18:05	25.21	25.51	25.05	24.89
15	7/30-31, 18:09 - 7:54	18.95	19.12	19.10	19.22

		Average Wind Speed (m/s) at Heights (			
Sampling Period	DTG	0.4	0.58	0.8	1.15
1	7/24, 11:32 - 15:23	0.75	0.94	1.11	1.29
2	7/24, 15:28 - 18:04	0.79	1.03	1.19	1.44
3	7/24-25, 18:09 - 7:41	0.18	0.27	0.34	0.41
4	7/25, 7:44 - 18:03	0.66	0.88	1.02	1.24
5	7/25-26, 18:07 - 7:21	0.37	0.53	0.67	0.82
6	7/26, 7:23 - 17:58	1.05	1.68	1.94	2.40
7	7/26-27, 17:39 - 7:47	0.52	0.82	1.01	1.23
8	7/27, 7:51 - 18:15	0.86	1.54	1.82	2.27
9	7/27-28, 18:23 - 7:55	0.38	0.62	0.77	0.97
10	7/28, 7:57 - 17:56	0.96	1.87	2.22	2.80
11	7/28-29, 18:01 - 10:11	0.52	1.00	1.18	1.46
12	7/29, 10:13 - 18:05	0.51	1.48	1.81	2.33
13	7/29-30, 18:10 - 7:54	0.18	0.51	0.64	0.82
14	7/30, 7:57 - 18:05	0.39	1.37	1.68	2.11
15	7/30-31, 18:09 - 7:54	0.12	0.32	0.41	0.55

Sampling Period	DTG	Average Fetch (m)
1	7/24, 11:32 - 15:23	154
2	7/24, 15:28 - 18:04	152
3	7/24-25, 18:09 - 7:41	154
4	7/25, 7:44 - 18:03	159
5	7/25-26, 18:07 - 7:21	151
6	7/26, 7:23 - 17:58	146
7	7/26-27, 17:39 - 7:47	140

n)	Regressed Logarithmic Profile Quality		
1.75	m	b	r^2
27.04	-0.33840655	27.23514165	0.74764766
27.84	-0.312650487	28.0358251	0.398242508
20.40	0.187459031	20.25616	0.902931667
27.02	-0.647071274	27.35793115	0.494502785
20.98	0.295241286	20.79878886	0.95113348
26.25	-0.41457065	26.46866463	0.66268055
20.65	0.200804148	20.52164623	0.978538618
27.76	-0.474542705	28.00207383	0.745603602
21.61	0.29279528	21.41894362	0.980447286
28.80	-0.513657114	29.05545739	0.618437434
23.62	0.150961521	23.53491648	0.860414712
27.17	-0.384271011	27.38047979	0.792460278
20.58	0.398321929	20.30199863	0.9426058
24.82	-0.377121286	25.02135353	0.615124014
19.42	0.28513101	19.21744677	0.916246449

Note: Raw meteorological data should be averaged consistent with air sampling periods.

m)	Regressed Logarithmic Profile Quality		
1.75	m	b	r^2
1.50	0.502634192	1.216505815	0.999921636
1.68	0.608176862	1.347244163	0.998665364
0.53	0.227622303	0.392115959	0.997960607
1.42	0.511820916	1.144396614	0.99717244
0.98	0.413805031	0.755539286	0.999047469
2.79	1.150073452	2.199892118	0.985717921
1.43	0.610889073	1.122670714	0.991428179
2.63	1.170665049	2.054337576	0.978318628
1.16	0.525552658	0.885777239	0.995644607
3.30	1.537874507	2.533614558	0.977814867
1.76	0.807044965	1.341416631	0.980980257
2.69	1.429856885	2.047052448	0.952224926
1.01	0.54637566	0.739013819	0.976189731
2.50	1.354951339	1.878476954	0.943761888
0.69	0.377916571	0.492966391	0.98987852

8	7/27, 7:51 - 18:15	166
9	7/27-28, 18:23 - 7:55	146
10	7/28, 7:57 - 17:56	148
11	7/28-29, 18:01 - 10:11	148
12	7/29, 10:13 - 18:05	158
13	7/29-30, 18:10 - 7:54	154
14	7/30, 7:57 - 18:05	154
15	7/30-31, 18:09 - 7:54	157

Chemical:
MRID:
PC Code:
Plot:
Guideline:

Plot soybean
Period No.
1
2
3
4
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15

No flux was calculated for periods 11-15 because dicamba was measured at less than the LOD (Appendix III, Table 4, p.

Dicamba DGA and S-metolachlor
50958201
128931 (Dicamba DGA) and 108800 (S-metolachlor)
Soybean
835.8100

Sample Interval Times	Input Parameters						Stability Correction Pa	
	ir Concentrations (µg/m^3) at Heights (rure (°C) at Hɜd (m/s) at H							
	0.58	1.15	0.58	1.15	0.58	1.15	R_i	Φ_m
7/24, 11:32 - 15:23	0.009235415	0.006065797	27.4	27.2	0.94	1.29	-0.036418333	0.859407354
7/24, 15:28 - 18:04	0.009057156	0.005953163	28.2	28.0	1.02	1.43	-0.022921151	0.902035891
7/24-25, 18:09 - 7:41	0.002543134	0.001673233	20.2	20.3	0.27	0.42	0.100745629	1.372768514
7/25, 7:44 - 18:03	0.002963957	0.002335976	27.7	27.3	0.87	1.22	-0.067117177	0.786070977
7/25-26, 18:07 - 7:21	0.000919743	0.000719424	20.6	20.8	0.53	0.81	0.04792529	1.206624712
7/26, 7:23 - 17:58	0.002747501	0.001796677	26.7	26.4	1.57	2.36	-0.008543183	0.958601293
7/26-27, 17:39 - 7:47	0.000582016	0.000561951	20.4	20.5	0.79	1.21	0.014969545	1.07342777
7/27, 7:51 - 18:15	0.002363676	0.001553239	28.3	27.9	1.42	2.22	-0.00938963	0.954861852
7/27-28, 18:23 - 7:55	0.000655483	0.000450982	21.3	21.5	0.60	0.96	0.029403202	1.135687135
7/28, 7:57 - 17:56	0.00171764	0.000997676	29.3	29.0	1.70	2.75	-0.005868711	0.97081721
7/28-29, 18:01 - 10:11	0.00065053	0.000413133	23.5	23.6	0.90	1.45	0.006382381	1.032607523
7/29, 10:13 - 18:05	0.000168512	0.000109976	27.6	27.3	1.27	2.25	-0.005107571	0.97441048
7/29-30, 18:10 - 7:54	6.26854E-05	6.23649E-05	20.1	20.4	0.44	0.82	0.03715321	1.166438166
7/30, 7:57 - 18:05	8.12455E-05	8.11819E-05	25.2	25.0	1.14	2.07	-0.005626253	0.971956031
7/30-31, 18:09 - 7:54	6.31127E-05	6.23944E-05	19.1	19.3	0.29	0.55	0.055791982	1.234340124

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rameters	
Φ_p	Flux ($\mu g/m^2 \cdot s$)
0.699387998	0.0006831
0.751646248	0.0007175
1.604435915	0.0000232
0.61574724	0.0001711
1.302836417	0.0000136
0.826083605	0.0003559
1.043313637	0.0000028
0.820959992	0.0003119
1.167696502	0.0000209
0.843040651	0.0003486
0.957325528	0.0000499
0.848094215	
1.226967748	
0.844638992	
1.354310717	