

KIAS-12

Time (s)	Elevation (m)	Speed (m/s)	Grade
0	0	0	0
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0

29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0.058
46	1.27E-05	0.060797	0.058
47	6.35E-05	0.18195	0.058
48	0.00017757	0.36344	0.058
49	0.00038039	0.60619	0.058
50	0.00069737	0.90928	0.058
51	0.00087591	1.2119	0.033
52	0.00080547	1.515	0.011
53	0.00038606	1.8181	-0.009
54	-0.00048387	2.1212	-0.028
55	-0.0018968	2.4243	-0.046
56	-0.0039617	2.7274	-0.064
57	-0.0067535	2.9031	-0.083
58	-0.010212	2.9514	-0.102
59	-0.014207	2.8727	-0.121
60	-0.01784	2.6666	-0.115

61	-0.021069	2.3335	-0.113
62	-0.023824	2.0001	-0.111
63	-0.026174	1.6666	-0.112
64	-0.028097	1.3335	-0.112
65	-0.029604	1	-0.113
66	-0.03068	0.66654	-0.113
67	-0.031369	0.4001	-0.113
68	-0.031756	0.19983	-0.113
69	-0.031928	0.066609	-0.113
70	-0.031971	0	-0.113
71	-0.031971	0	0
72	-0.031971	0	0
73	-0.031971	0	0
74	-0.031971	0	0
75	-0.031971	0	0
76	-0.031971	0	0
77	-0.031971	0	0
78	-0.031971	0	0
79	-0.031971	0	0
80	-0.031971	0	0
81	-0.031971	0	0
82	-0.031971	0	0
83	-0.031971	0	0
84	-0.031971	0	0
85	-0.031971	0	0
86	-0.031971	0	0
87	-0.031971	0	0
88	-0.031971	0	0
89	-0.031971	0	0
90	-0.031971	0	0
91	-0.031971	0	0
92	-0.031971	0	0

93	-0.031971	0	0
94	-0.031971	0	0
95	-0.031971	0	0
96	-0.031971	0	0
97	-0.031971	0	0
98	-0.031971	0	0
99	-0.031971	0	0
100	-0.031971	0	0
101	-0.031971	0	0
102	-0.031971	0	0
103	-0.031971	0	0
104	-0.031971	0	0
105	-0.031971	0	0
106	-0.031971	0	0
107	-0.031971	0	0
108	-0.031971	0	0
109	-0.031971	0	0
110	-0.031971	0	0
111	-0.031971	0	0
112	-0.031971	0	0
113	-0.031971	0	0
114	-0.031971	0	0
115	-0.031971	0	0
116	-0.031971	0	2.247
117	-0.030421	0.13903	2.247
118	-0.022986	0.41664	2.693
119	-0.0045031	0.83328	2.975
120	0.030356	1.389	3.155
121	0.086693	2.0832	3.263
122	0.1669	2.7779	3.318
123	0.27068	3.4722	3.339
124	0.39741	4.1669	3.336

125	0.54638	4.8611	3.318
126	0.717	5.5554	3.294
127	0.87971	6.031	2.826
128	1.0343	6.2872	2.527
129	1.1807	6.3243	2.338
130	1.3186	6.1419	2.23
131	1.4473	5.7409	2.183
132	1.5674	5.3394	2.184
133	1.6807	4.9385	2.221
134	1.7885	4.537	2.293
135	1.8923	4.136	2.409
136	1.9929	3.748	2.571
137	2.0894	3.3743	2.726
138	2.1807	3.0135	2.875
139	2.2658	2.6666	3.014
140	2.3439	2.3335	3.144
141	2.4142	2.0001	3.262
142	2.4756	1.6666	3.367
143	2.5271	1.3335	3.452
144	2.5677	1	3.499
145	2.5968	0.66654	3.499
146	2.6153	0.4001	3.499
147	2.6258	0.19983	3.499
148	2.6304	0.066609	3.499
149	2.6316	0	3.499
150	2.6316	0	0
151	2.6316	0	0
152	2.6316	0	0
153	2.6316	0	0
154	2.6316	0	0
155	2.6316	0	0
156	2.6316	0	0

157	2.6316	0	0
158	2.6316	0	0
159	2.6316	0	0
160	2.6316	0	0
161	2.6316	0	0
162	2.6316	0	0
163	2.6316	0	0
164	2.6316	0	0
165	2.6316	0	0
166	2.6316	0	0
167	2.6316	0	0
168	2.6316	0	0
169	2.6316	0	0
170	2.6316	0	0
171	2.6316	0	0
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174	2.6316	0	0
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179	2.6316	0	0
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181	2.6316	0	0
182	2.6316	0	0
183	2.6316	0	0
184	2.6316	0	0
185	2.6316	0	0
186	2.6316	0	0
187	2.6316	0	0
188	2.6316	0	0

189	2.6316	0	0
190	2.6316	0	0
191	2.6316	0	0
192	2.6316	0	0
193	2.6316	0	0
194	2.6316	0	0
195	2.6316	0	0
196	2.6316	0.050068	0
197	2.6315	0.15021	0
198	2.6315	0.29996	0
199	2.6314	0.49979	0
200	2.6313	0.75013	0
201	2.6312	1	0
202	2.631	1.2499	0
203	2.6338	1.4998	0.221
204	2.6404	1.7502	0.422
205	2.6516	2.0001	0.61
206	2.6677	2.1833	0.789
207	2.6891	2.3	0.968
208	2.7153	2.3501	1.147
209	2.746	2.3335	1.326
210	2.7801	2.25	1.505
211	2.817	2.1668	1.684
212	2.8515	2.0832	1.642
213	2.8843	2.0001	1.621
214	2.9155	1.9165	1.612
215	2.9454	1.8333	1.612
216	2.9739	1.7332	1.612
217	3.0006	1.6165	1.612
218	3.0253	1.4833	1.612
219	3.0478	1.3335	1.612
220	3.0678	1.1668	1.612

221	3.085	1	1.612
222	3.0997	0.83328	1.612
223	3.1116	0.66654	1.612
224	3.1209	0.49979	1.612
225	3.1276	0.33349	1.612
226	3.1318	0.19983	1.612
227	3.1342	0.10014	1.612
228	3.135	0	1.612
229	3.135	0	0
230	3.135	0	0
231	3.135	0	0
232	3.135	0	0
233	3.135	0	0
234	3.135	0	0
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247	3.135	0	0
248	3.135	0	0
249	3.135	0	0
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251	3.135	0	0
252	3.135	0	0

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266	3.135	0	0
267	3.135	0	0
268	3.135	0	0
269	3.135	0	0
270	3.135	0	0
271	3.135	0	0
272	3.135	0	0
273	3.135	0	0
274	3.135	0	0
275	3.135	0.098796	0
276	3.135	0.29639	0
277	3.1349	0.59278	0
278	3.1348	0.98751	0
279	3.1346	1.4815	0
280	3.1343	1.9755	0
281	3.134	2.469	0
282	3.1335	2.963	0
283	3.133	3.457	0
284	3.1324	3.8964	0

285	3.1317	4.2813	0
286	3.131	4.6126	0
287	3.1303	4.8888	0
288	3.1294	5.111	0
289	3.1286	5.3332	0
290	3.1277	5.5554	0
291	3.1268	5.7775	0
292	3.1259	6.0002	0
293	3.1249	6.2223	0
294	3.1239	6.3493	0
295	3.1228	6.3819	0
296	3.1218	6.3194	0
297	3.1208	6.1616	0
298	3.1198	5.909	0
299	3.1189	5.6564	0
300	3.118	5.4038	0
301	3.1171	5.1517	0
302	3.1163	4.8991	0
303	3.1155	4.6465	0
304	3.1148	4.394	0
305	3.1141	4.2536	0
306	3.1134	4.2254	0
307	3.1127	4.3099	0
308	3.112	4.5062	0
309	3.1113	4.8146	0
310	3.1105	5.1235	0
311	3.1096	5.432	0
312	3.1087	5.7409	0
313	3.1078	6.0493	0
314	3.1068	6.2407	0
315	3.1058	6.3149	0
316	3.1047	6.2715	0

317	3.1037	6.111	0
318	3.1028	5.8334	0
319	3.1018	5.5554	0
320	3.101	5.2778	0
321	3.1001	5.0001	0
322	3.0994	4.7221	0
323	3.0986	4.4445	0
324	3.0979	4.1445	0
325	3.0973	3.8222	0
326	3.0967	3.478	0
327	3.0962	3.111	0
328	3.0957	2.722	0
329	3.0953	2.3335	0
330	3.0949	1.9446	0
331	3.0946	1.5557	0
332	3.0944	1.1668	0
333	3.0943	0.77785	0
334	3.0942	0.46671	0
335	3.0941	0.23335	0
336	3.0941	0.077785	0
337	3.0941	0	0
338	3.0941	0	0
339	3.0941	0	0
340	3.0941	0	0
341	3.0941	0	0
342	3.0941	0	0
343	3.0941	0	0
344	3.0941	0	0
345	3.0941	0	0
346	3.0941	0	0
347	3.0941	0	0
348	3.0941	0	0

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352	3.0941	0	0
353	3.0941	0	0
354	3.0941	0	0
355	3.0941	0	0
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377	3.0941	0	0
378	3.0941	0	0
379	3.0941	0	0
380	3.0941	0	0

381	3.0941	0	0
382	3.0941	0	0
383	3.0941	0	-3.477
384	3.0918	0.13322	-3.477
385	3.0829	0.4001	-3.322
386	3.0642	0.8002	-3.099
387	3.0338	1.3335	-2.834
388	2.9912	2.0001	-2.54
389	2.9389	2.6666	-2.224
390	2.8817	3.3331	-1.892
391	2.8243	4.0001	-1.548
392	2.772	4.6667	-1.192
393	2.7296	5.3332	-0.832
394	2.6934	5.9666	-0.624
395	2.6623	6.5666	-0.481
396	2.6353	7.1334	-0.378
397	2.6117	7.6667	-0.302
398	2.591	8.1665	-0.246
399	2.5724	8.6668	-0.205
400	2.5553	9.1666	-0.175
401	2.5393	9.6668	-0.154
402	2.5241	10.167	-0.137
403	2.5099	10.667	-0.12
404	2.4971	11.089	-0.102
405	2.4859	11.433	-0.083
406	2.4767	11.7	-0.063
407	2.47	11.889	-0.041
408	2.4658	12	-0.019
409	2.4646	12.111	0.006
410	2.4664	12.222	0.031
411	2.4716	12.333	0.059
412	2.4803	12.444	0.086

413	2.492	12.556	0.11
414	2.506	12.533	0.128
415	2.5217	12.378	0.142
416	2.5381	12.089	0.15
417	2.5545	11.667	0.154
418	2.5699	11.111	0.152
419	2.5839	10.556	0.145
420	2.5957	9.9998	0.131
421	2.6048	9.4446	0.11
422	2.6112	8.8889	0.086
423	2.6151	8.3333	0.061
424	2.6168	7.7946	0.037
425	2.6166	7.272	0.014
426	2.615	6.7668	-0.007
427	2.6121	6.2778	-0.028
428	2.6083	5.8057	-0.047
429	2.6037	5.3332	-0.065
430	2.5987	4.8611	-0.082
431	2.5935	4.389	-0.097
432	2.5882	3.9165	-0.112
433	2.5829	3.4444	-0.127
434	2.5778	3.0166	-0.141
435	2.573	2.6335	-0.154
436	2.5685	2.2947	-0.166
437	2.5644	2.0001	-0.177
438	2.5606	1.7502	-0.185
439	2.5573	1.4998	-0.191
440	2.5544	1.2499	-0.194
441	2.552	1	-0.194
442	2.5502	0.75013	-0.194
443	2.5488	0.49979	-0.194
444	2.548	0.29996	-0.194

445	2.5475	0.15021	-0.194
446	2.5473	0.050068	-0.194
447	2.5473	0	-0.194
448	2.5473	0	0
449	2.5473	0	0
450	2.5473	0	0
451	2.5473	0	0
452	2.5473	0	0
453	2.5473	0	0
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467	2.5473	0	0
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469	2.5473	0	0
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473	2.5473	0	0
474	2.5473	0	0
475	2.5473	0	0
476	2.5473	0	0

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480	2.5473	0	0
481	2.5473	0	0
482	2.5473	0	0
483	2.5473	0	0
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487	2.5473	0	0
488	2.5473	0	0
489	2.5473	0	0
490	2.5473	0	0
491	2.5473	0	0
492	2.5473	0	0
493	2.5473	0	-0.547
494	2.547	0.083149	-0.547
495	2.5463	0.16675	-0.547
496	2.5451	0.27761	-0.547
497	2.5431	0.41664	-0.547
498	2.5404	0.55567	-0.547
499	2.5369	0.69425	-0.547
500	2.5326	0.83328	-0.547
501	2.5275	0.97231	-0.547
502	2.5185	1.1109	-0.847
503	2.5047	1.3223	-1.115
504	2.4846	1.6058	-1.358
505	2.4565	1.9612	-1.563
506	2.4184	2.389	-1.732
507	2.3686	2.8888	-1.872
508	2.3057	3.389	-1.989

509	2.2291	3.8888	-2.088
510	2.1386	4.389	-2.173
511	2.0474	4.8888	-1.949
512	1.9567	5.3891	-1.749
513	1.8679	5.8057	-1.57
514	1.782	6.1388	-1.423
515	1.6994	6.3891	-1.303
516	1.6197	6.5554	-1.215
517	1.5426	6.639	-1.153
518	1.4671	6.7221	-1.113
519	1.3925	6.8057	-1.088
520	1.3176	6.8889	-1.077
521	1.2419	6.972	-1.076
522	1.1647	7.0556	-1.085
523	1.0855	7.1276	-1.101
524	1.0034	7.1889	-1.131
525	0.91816	7.2389	-1.165
526	0.83018	7.2778	-1.196
527	0.73968	7.3055	-1.225
528	0.64687	7.3332	-1.252
529	0.55179	7.361	-1.278
530	0.45451	7.3887	-1.303
531	0.35494	7.4168	-1.329
532	0.25277	7.4446	-1.359
533	0.14819	7.3999	-1.393
534	0.041881	7.2832	-1.432
535	-0.066168	7.0945	-1.487
536	-0.17557	6.8335	-1.555
537	-0.2857	6.5	-1.636
538	-0.39634	6.1665	-1.731
539	-0.50787	5.8334	-1.843
540	-0.62062	5.4999	-1.974

541	-0.73484	5.1664	-2.126
542	-0.85092	4.8334	-2.306
543	-0.96921	4.4834	-2.524
544	-1.0897	4.1168	-2.787
545	-1.2095	3.7332	-3.037
546	-1.3256	3.3331	-3.273
547	-1.4352	2.9165	-3.492
548	-1.5356	2.4998	-3.693
549	-1.6246	2.0832	-3.87
550	-1.7001	1.6666	-4.018
551	-1.7605	1.2499	-4.13
552	-1.8044	0.83328	-4.194
553	-1.8324	0.49979	-4.194
554	-1.8482	0.2499	-4.194
555	-1.8552	0.083149	-4.194
556	-1.8569	0	-4.194
557	-1.8569	0	0
558	-1.8569	0	0
559	-1.8569	0	0
560	-1.8569	0	0
561	-1.8569	0	0
562	-1.8569	0	0
563	-1.8569	0	0
564	-1.8569	0	0
565	-1.8569	0	0
566	-1.8569	0	0
567	-1.8569	0	0
568	-1.8569	0	0
569	-1.8569	0	0
570	-1.8569	0	0
571	-1.8569	0	0
572	-1.8569	0	0

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684	-0.41096	6.5	2.398
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689	0.269	5.1387	2.294
690	0.38235	4.8334	2.29
691	0.48879	4.5276	2.291
692	0.58855	4.2223	2.297
693	0.68166	3.9053	2.308
694	0.76784	3.5777	2.32
695	0.84671	3.2388	2.331
696	0.91795	2.8888	2.342
697	0.98124	2.5276	2.354
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762	0.79935	6.4445	-1.434
763	0.71259	7.0056	-1.274
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769	0.24135	5.972	-1.123
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772	0.055044	4.7221	-1.142
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775	-0.092999	4.8057	-0.99
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781	-0.34438	8.7499	-0.381
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1071	0.050331	1.1668	0
1072	0.050174	0.77785	0
1073	0.050062	0.60574	0
1074	0.049961	0.65	0
1075	0.049835	0.91107	0
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1077	0.049368	2.0832	0
1078	0.048975	2.7779	0
1079	0.04847	3.4722	0
1080	0.047852	4.1669	0
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1082	0.046281	5.5554	0
1083	0.04533	6.2112	0
1084	0.044276	6.8276	0

1085	0.043125	7.4057	0
1086	0.041884	7.9443	0
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1100	0.018371	10.278	0
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1103	0.013594	9.3834	0
1104	0.012109	8.9833	0
1105	0.010694	8.5224	0
1106	0.0093587	7.9998	0
1107	0.0081125	7.4168	0
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1173	-0.00064743	0.11668	0.207
1174	-0.0026709	0.35003	-0.851
1175	-0.011707	0.70006	-1.705
1176	-0.034505	1.1668	-2.427
1177	-0.079247	1.7502	-3.053
1178	-0.15283	2.3335	-3.59
1179	-0.2598	2.9165	-4.062
1180	-0.40399	3.4999	-4.483

1181	-0.58881	4.0833	-4.864
1182	-0.81732	4.6667	-5.214
1183	-1.0393	5.2223	-4.478
1184	-1.2554	5.7498	-3.926
1185	-1.4653	6.2501	-3.484
1186	-1.6687	6.7221	-3.121
1187	-1.8658	7.1665	-2.824
1188	-2.0572	7.6113	-2.575
1189	-2.2434	8.0557	-2.361
1190	-2.4245	8.5	-2.172
1191	-2.6005	8.9444	-2.002
1192	-2.7712	9.3887	-1.847
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1194	-3.0952	10.211	-1.571
1195	-3.2474	10.589	-1.447
1196	-3.3931	10.944	-1.337
1197	-3.5323	11.278	-1.237
1198	-3.6652	11.611	-1.145
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1207	-4.5728	13.194	-0.534
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1214	-4.9708	12.25	-0.401
1215	-5.0225	12.139	-0.408
1216	-5.0747	12.037	-0.416
1217	-5.1273	11.944	-0.422
1218	-5.1802	11.852	-0.429
1219	-5.2336	11.759	-0.436
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1221	-5.342	11.574	-0.453
1222	-5.3973	11.444	-0.464
1223	-5.4532	11.278	-0.476
1224	-5.5099	11.074	-0.491
1225	-5.5672	10.833	-0.507
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1227	-5.6845	10.278	-0.552
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1292	-6.5975	11.944	0.696
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1296	-6.2646	12.611	0.682
1297	-6.1817	12.666	0.672
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1308	-5.4081	11.611	0.474

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1313	-5.1618	9.7499	0.506
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1352	-0.27003	12.722	1.119
1353	-0.13076	12.861	1.105
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1356	0.2918	13.111	1.103
1357	0.43628	13.139	1.117
1358	0.58303	13.167	1.132
1359	0.7322	13.194	1.148
1360	0.88393	13.222	1.165
1361	1.0384	13.25	1.183
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1363	1.3554	13.311	1.219
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1367	2.0225	13.5	1.281
1368	2.1942	13.556	1.285
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1371	2.7095	13.722	1.268
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1373	3.0504	13.588	1.258
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1378	3.8185	9.1974	1.432
1379	3.9502	8.0248	1.545
1380	4.0736	6.8518	1.676
1381	4.1855	5.6792	1.802
1382	4.2846	4.8405	1.9
1383	4.3739	4.3372	1.963
1384	4.458	4.1678	1.995
1385	4.542	4.3332	1.993
1386	4.6315	4.8334	1.969
1387	4.7277	5.3332	1.909
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1389	4.9267	6.3332	1.653
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1391	5.118	7.3332	1.343
1392	5.2079	7.8111	1.204
1393	5.2931	8.2667	1.076
1394	5.3728	8.6998	0.955
1395	5.4461	9.1111	0.839
1396	5.5113	9.5	0.717
1397	5.5694	9.889	0.616
1398	5.6216	10.278	0.534
1399	5.6688	10.667	0.467
1400	5.7123	11.056	0.416
1401	5.753	11.444	0.378
1402	5.792	11.722	0.353
1403	5.8302	11.889	0.34
1404	5.8687	11.944	0.339

1405	5.9084	11.889	0.349
1406	5.9489	11.722	0.36
1407	5.989	11.556	0.36
1408	6.0273	11.389	0.35
1409	6.0627	11.222	0.33
1410	6.0941	11.056	0.298
1411	6.1202	10.889	0.254
1412	6.1396	10.695	0.196
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1414	6.1536	10.222	0.04
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1418	6.0693	9.028	-0.34
1419	6.0318	8.7222	-0.406
1420	5.9914	8.4169	-0.456
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1422	5.9081	7.9721	-0.501
1423	5.8674	7.9998	-0.494
1424	5.8281	8.1942	-0.469
1425	5.7913	8.5555	-0.423
1426	5.757	9.0834	-0.373
1427	5.7253	9.6109	-0.323
1428	5.6967	10.139	-0.273
1429	5.6715	10.667	-0.226
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1431	5.6314	11.722	-0.144
1432	5.6165	12.172	-0.109
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1434	5.5968	12.839	-0.048
1435	5.592	13.055	-0.021
1436	5.5904	13.194	0.004

1437	5.5917	13.333	0.026
1438	5.5964	13.472	0.051
1439	5.6049	13.611	0.079
1440	5.6176	13.75	0.109
1441	5.6351	13.889	0.143
1442	5.6578	14.028	0.179
1443	5.6863	14.167	0.218
1444	5.7209	14.306	0.259
1445	5.7622	14.444	0.304
1446	5.8111	14.583	0.353
1447	5.8674	14.722	0.4
1448	5.9302	14.861	0.441
1449	5.999	15	0.477
1450	6.0731	15.139	0.508
1451	6.152	15.278	0.535
1452	6.2349	15.35	0.557
1453	6.3206	15.355	0.575
1454	6.4084	15.295	0.589
1455	6.4974	15.167	0.6
1456	6.5865	14.972	0.608
1457	6.6759	14.778	0.617
1458	6.7673	14.583	0.639
1459	6.8622	14.389	0.671
1460	6.9622	14.194	0.716
1461	7.0685	14	0.77
1462	7.1824	13.856	0.834
1463	7.3055	13.761	0.908
1464	7.4395	13.717	0.991
1465	7.5858	13.722	1.083
1466	7.7465	13.778	1.185
1467	7.9208	13.833	1.279
1468	8.1063	13.889	1.354

1469	8.3005	13.945	1.412
1470	8.5009	14	1.451
1471	8.705	14.055	1.471
1472	8.9105	14.139	1.474
1473	9.1153	14.25	1.459
1474	9.3173	14.389	1.427
1475	9.5143	14.556	1.378
1476	9.7048	14.75	1.316
1477	9.8893	14.945	1.259
1478	10.069	15.139	1.21
1479	10.244	15.333	1.169
1480	10.417	15.528	1.136
1481	10.589	15.722	1.114
1482	10.76	15.835	1.102
1483	10.932	15.865	1.101
1484	11.105	15.813	1.11
1485	11.281	15.679	1.13
1486	11.458	15.463	1.156
1487	11.636	15.247	1.175
1488	11.814	15.031	1.192
1489	11.991	14.815	1.205
1490	12.168	14.599	1.214
1491	12.342	14.426	1.219
1492	12.515	14.235	1.219
1493	12.684	14.026	1.215
1494	12.85	13.8	1.207
1495	13.011	13.556	1.194
1496	13.168	13.25	1.187
1497	13.322	12.944	1.193
1498	13.475	12.639	1.213
1499	13.628	12.333	1.245
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1501	13.941	11.722	1.346
1502	14.103	11.444	1.415
1503	14.271	11.194	1.496
1504	14.445	10.972	1.589
1505	14.627	10.778	1.695
1506	14.818	10.611	1.802
1507	15.017	10.445	1.906
1508	15.223	10.278	1.998
1509	15.433	10.111	2.079
1510	15.647	9.9444	2.149
1511	15.863	9.7777	2.21
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1515	16.722	8.7776	2.372
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1517	17.125	8.1111	2.419
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1520	17.682	7.1111	2.469
1521	17.853	6.7776	2.478
1522	18.016	6.4445	2.48
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1524	18.316	5.7775	2.465
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1527	18.697	4.778	2.41
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1533	19.196	3.111	1.83
1534	19.246	3.111	1.618
1535	19.289	3.2223	1.379
1536	19.325	3.4444	1.111
1537	19.355	3.6666	0.853
1538	19.378	3.8888	0.623
1539	19.395	4.111	0.43
1540	19.406	4.3332	0.281
1541	19.413	4.5553	0.176
1542	19.418	4.8057	0.114
1543	19.421	5.0833	0.09
1544	19.426	5.3891	0.098
1545	19.432	5.7221	0.137
1546	19.442	6.0833	0.178
1547	19.454	6.4445	0.213
1548	19.469	6.8057	0.246
1549	19.488	7.1665	0.28
1550	19.51	7.5277	0.317
1551	19.536	7.8889	0.358
1552	19.567	8.0789	0.406
1553	19.604	8.0981	0.464
1554	19.645	7.9461	0.534
1555	19.692	7.6234	0.619
1556	19.744	7.1294	0.727
1557	19.802	6.6359	0.858
1558	19.866	6.1419	1.004
1559	19.933	5.6484	1.163
1560	20.004	5.1544	1.33
1561	20.078	4.7538	1.499
1562	20.153	4.4463	1.665
1563	20.232	4.2321	1.827
1564	20.314	4.111	1.982

1565	20.4	4.0833	2.126
1566	20.491	4.0555	2.252
1567	20.586	4.0278	2.36
1568	20.683	4.0001	2.445
1569	20.783	3.9724	2.513
1570	20.884	3.9442	2.57
1571	20.986	3.8776	2.624
1572	21.088	3.7721	2.678
1573	21.188	3.6277	2.731
1574	21.286	3.4444	2.787
1575	21.38	3.2223	2.847
1576	21.47	3.0001	2.904
1577	21.555	2.7779	2.964
1578	21.636	2.5557	3.024
1579	21.71	2.3335	3.081
1580	21.78	2.1109	3.131
1581	21.843	1.8999	3.172
1582	21.9	1.7001	3.201
1583	21.952	1.511	3.216
1584	21.997	1.3335	3.216
1585	22.037	1.1668	3.216
1586	22.072	1	3.216
1587	22.101	0.83328	3.216
1588	22.125	0.66654	3.216
1589	22.144	0.49979	3.216
1590	22.157	0.33349	3.216
1591	22.165	0.19983	3.216
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1639	22.172	0	-0.043
1640	22.172	0.1055	-0.043
1641	22.172	0.3165	-0.043
1642	22.171	0.63346	-0.024
1643	22.171	1.0555	-0.009
1644	22.171	1.5834	0.003
1645	22.171	2.1109	0.011
1646	22.171	2.6389	0.017
1647	22.171	3.1668	0.021
1648	22.171	3.6943	0.024
1649	22.172	4.2223	0.025
1650	22.172	4.6832	0.026
1651	22.172	5.0779	0.005
1652	22.17	5.4056	-0.012
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1654	22.165	5.8611	-0.038
1655	22.161	6.0556	-0.048
1656	22.156	6.2501	-0.057
1657	22.151	6.4445	-0.065
1658	22.145	6.639	-0.072
1659	22.139	6.8335	-0.079
1660	22.132	6.9278	-0.086

1661	22.124	6.9224	-0.093
1662	22.116	6.8165	-0.101
1663	22.108	6.6113	-0.109
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1666	22.082	5.6944	-0.133
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1679	21.992	3.3586	-0.113
1680	21.988	3.2576	-0.098
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1685	21.978	3.5558	-0.012
1686	21.978	3.7221	0.001
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1696	21.991	4.389	0.068
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1698	21.996	4.2223	0.072
1699	21.998	4.1387	0.073
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1701	22.002	4.0944	0.069
1702	22.005	4.2554	0.065
1703	22.006	4.5388	0.061
1704	22.008	4.9443	0.056
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1706	22.012	6.0002	0.045
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1710	22.016	8.1111	0.025
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1713	22.016	9.0946	0.014
1714	22.016	9.222	0.012
1715	22.015	9.2502	0.01
1716	22.015	9.2779	0.008
1717	22.014	9.3056	0.007
1718	22.013	9.3333	0.005
1719	22.012	9.361	0.004
1720	22.01	9.3887	0.003
1721	22.009	9.3557	0.002
1722	22.008	9.2609	0.002
1723	22.006	9.1058	0.001
1724	22.005	8.8889	0

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1730	21.997	7.2224	-0.001
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1733	21.993	5.9224	-0.001
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1800	21.988	2.8888	0.026
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1804	21.991	4.2777	0.041
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1813	21.962	6.8111	-0.126
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1818	21.881	6.6113	-0.302
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1821	21.799	6.4056	-0.455
1822	21.765	6.2724	-0.519
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1824	21.687	5.8889	-0.669
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1830	21.373	4.389	-1.332
1831	21.308	4.111	-1.509
1832	21.239	3.8057	-1.727
1833	21.168	3.4722	-1.932
1834	21.097	3.111	-2.125
1835	21.03	2.722	-2.304
1836	20.967	2.3335	-2.468
1837	20.911	1.9446	-2.614
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1890	20.762	0	0.517
1891	20.762	0.066609	0.517
1892	20.763	0.19983	0.517
1893	20.764	0.4001	0.517
1894	20.767	0.66654	0.517
1895	20.769	1	0.297
1896	20.771	1.3335	0.157
1897	20.771	1.6666	0.033
1898	20.769	2.0001	-0.081
1899	20.765	2.3335	-0.187
1900	20.758	2.6666	-0.287
1901	20.746	2.9058	-0.381
1902	20.732	3.0502	-0.472
1903	20.714	3.0998	-0.556
1904	20.701	3.0555	-0.415
1905	20.69	2.9165	-0.348
1906	20.681	2.7779	-0.296
1907	20.674	2.6389	-0.255
1908	20.668	2.4998	-0.222
1909	20.663	2.3613	-0.194
1910	20.658	2.2222	-0.172
1911	20.655	2.072	-0.154
1912	20.652	1.9111	-0.142
1913	20.649	1.739	-0.136
1914	20.646	1.5557	-0.136
1915	20.644	1.3612	-0.136
1916	20.642	1.1668	-0.136

1917	20.641	0.97231	-0.136
1918	20.639	0.77785	-0.136
1919	20.638	0.58339	-0.136
1920	20.637	0.38892	-0.136
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1969	20.637	0	-1.568
1970	20.636	0.066609	-1.568
1971	20.634	0.19983	-1.568
1972	20.629	0.4001	-1.568
1973	20.621	0.66654	-1.568
1974	20.609	1	-1.394
1975	20.595	1.3335	-1.219
1976	20.579	1.6666	-1.045
1977	20.562	2.0001	-0.871
1978	20.547	2.3335	-0.697
1979	20.533	2.6666	-0.523
1980	20.523	2.9554	-0.348

1981	20.517	3.1999	-0.174
1982	20.517	3.4002	0
1983	20.516	3.5558	0
1984	20.516	3.6666	0
1985	20.515	3.7779	-0.004
1986	20.514	3.8888	-0.011
1987	20.512	4.0001	-0.021
1988	20.51	4.111	-0.034
1989	20.508	4.2223	-0.05
1990	20.504	4.3667	-0.068
1991	20.499	4.5446	-0.088
1992	20.494	4.7556	-0.11
1993	20.486	5.0001	-0.133
1994	20.478	5.2778	-0.154
1995	20.467	5.5554	-0.175
1996	20.455	5.8334	-0.196
1997	20.441	6.111	-0.217
1998	20.425	6.3891	-0.24
1999	20.407	6.6667	-0.264
2000	20.386	6.8835	-0.29
2001	20.363	7.0391	-0.319
2002	20.337	7.1334	-0.35
2003	20.308	7.1665	-0.384
2004	20.277	7.1388	-0.42
2005	20.244	7.1111	-0.454
2006	20.208	7.0833	-0.486
2007	20.17	7.0556	-0.517
2008	20.131	7.0279	-0.545
2009	20.09	7.0002	-0.57
2010	20.047	6.989	-0.592
2011	20.003	6.9944	-0.611
2012	19.958	7.0167	-0.627

2013	19.912	7.0556	-0.639
2014	19.865	7.1111	-0.649
2015	19.818	7.1665	-0.646
2016	19.771	7.2224	-0.632
2017	19.726	7.2778	-0.607
2018	19.683	7.3332	-0.573
2019	19.643	7.3887	-0.528
2020	19.607	7.3677	-0.473
2021	19.576	7.2698	-0.406
2022	19.551	7.095	-0.328
2023	19.533	6.8433	-0.238
2024	19.523	6.5152	-0.142
2025	19.52	6.187	-0.032
2026	19.525	5.8585	0.096
2027	19.537	5.5303	0.244
2028	19.559	5.2022	0.414
2029	19.588	4.8736	0.602
2030	19.626	4.5455	0.806
2031	19.67	4.3162	1.018
2032	19.722	4.1856	1.233
2033	19.781	4.1543	1.447
2034	19.85	4.2223	1.648
2035	19.928	4.389	1.827
2036	20.015	4.5553	1.981
2037	20.113	4.7221	2.111
2038	20.218	4.8888	2.219
2039	20.332	5.0556	2.309
2040	20.454	5.2223	2.39
2041	20.584	5.3555	2.466
2042	20.72	5.4557	2.539
2043	20.863	5.5223	2.615
2044	21.011	5.5554	2.685

2045	21.162	5.5554	2.742
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2049	21.777	5.5554	2.765
2050	21.927	5.6112	2.703
2051	22.074	5.7221	2.61
2052	22.218	5.8889	2.489
2053	22.358	6.111	2.351
2054	22.495	6.3891	2.205
2055	22.627	6.6667	2.052
2056	22.755	6.9443	1.898
2057	22.878	7.2224	1.748
2058	22.995	7.5	1.606
2059	23.107	7.7776	1.475
2060	23.212	7.9055	1.358
2061	23.309	7.8831	1.251
2062	23.398	7.711	1.155
2063	23.477	7.3887	1.068
2064	23.548	6.9166	0.996
2065	23.609	6.4445	0.935
2066	23.663	5.972	0.881
2067	23.709	5.4999	0.832
2068	23.75	5.0279	0.782
2069	23.784	4.5553	0.729
2070	23.812	4.1056	0.667
2071	23.835	3.6778	0.611
2072	23.854	3.2723	0.563
2073	23.87	2.8888	0.519
2074	23.882	2.5276	0.478
2075	23.892	2.1668	0.441
2076	23.9	1.8056	0.41

2077	23.906	1.4444	0.387
2078	23.911	1.0832	0.373
2079	23.914	0.72242	0.373
2080	23.916	0.43318	0.373
2081	23.917	0.21681	0.373
2082	23.917	0.07242	0.373
2083	23.918	0	0.373
2084	23.918	0	0
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2129	23.918	0	0
2130	23.918	0.07555	0
2131	23.918	0.2271	0
2132	23.918	0.45464	0
2133	23.917	0.75773	0
2134	23.917	1.1364	0
2135	23.917	1.515	0
2136	23.917	1.8941	0
2137	23.916	2.2728	0
2138	23.916	2.6514	0
2139	23.916	3.0305	0
2140	23.915	3.4091	0

2141	23.915	3.7122	0
2142	23.914	3.9393	0
2143	23.913	4.0909	0
2144	23.913	4.1669	0
2145	23.912	4.1669	0
2146	23.911	4.1669	0
2147	23.911	4.1669	0
2148	23.91	4.1669	0
2149	23.909	4.1669	0
2150	23.909	4.1669	0
2151	23.908	4.1776	0
2152	23.907	4.1999	0
2153	23.906	4.2335	0
2154	23.906	4.2777	0
2155	23.905	4.3332	0
2156	23.904	4.389	0
2157	23.904	4.4445	0
2158	23.903	4.4999	0
2159	23.902	4.5553	0
2160	23.901	4.6112	0
2161	23.901	4.672	0
2162	23.9	4.7391	0
2163	23.899	4.811	0
2164	23.898	4.8888	0
2165	23.898	4.9724	0
2166	23.897	5.0556	0
2167	23.896	5.1387	0
2168	23.895	5.2223	0
2169	23.894	5.3055	0
2170	23.893	5.3891	0
2171	23.893	5.4834	0
2172	23.892	5.5889	0

2173	23.891	5.7056	0
2174	23.89	5.8334	0
2175	23.889	5.972	0
2176	23.888	6.111	0
2177	23.887	6.2501	0
2178	23.886	6.3891	0
2179	23.885	6.5277	0
2180	23.884	6.6667	0
2181	23.883	6.7056	0
2182	23.882	6.6444	0
2183	23.881	6.4834	0
2184	23.88	6.2223	0
2185	23.879	5.8611	0
2186	23.878	5.4999	0
2187	23.877	5.1387	0
2188	23.876	4.778	0
2189	23.875	4.4168	0
2190	23.875	4.0555	0
2191	23.874	3.8387	0
2192	23.873	3.7668	0
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2194	23.872	4.0555	0
2195	23.871	4.4168	0
2196	23.871	4.778	0
2197	23.87	5.1387	0
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2199	23.868	5.8611	0
2200	23.867	6.2223	0
2201	23.866	6.4722	0
2202	23.865	6.6113	0
2203	23.864	6.639	0
2204	23.863	6.5554	0

2205	23.862	6.3609	0
2206	23.861	6.1665	0
2207	23.86	5.972	0
2208	23.859	5.7775	0
2209	23.858	5.5835	0
2210	23.857	5.3891	0
2211	23.856	5.1888	0
2212	23.855	4.9832	0
2213	23.855	4.7722	0
2214	23.854	4.5553	0
2215	23.853	4.3332	0
2216	23.852	4.111	0
2217	23.852	3.8888	0
2218	23.851	3.6666	0
2219	23.851	3.4444	0
2220	23.85	3.2223	0
2221	23.85	2.9889	0
2222	23.849	2.7444	0
2223	23.849	2.4887	0
2224	23.848	2.2222	0
2225	23.848	1.9446	0
2226	23.848	1.6666	0
2227	23.847	1.389	0
2228	23.847	1.1109	0
2229	23.847	0.83328	0
2230	23.847	0.55567	0
2231	23.847	0.33349	0
2232	23.847	0.16675	0
2233	23.847	0.055433	0
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2278	23.847	0	0
2279	23.847	0	0
2280	23.847	0	0.903
2281	23.847	0.11668	0.903
2282	23.849	0.35003	0.777
2283	23.852	0.70006	0.655
2284	23.857	1.1668	0.536
2285	23.863	1.7502	0.419
2286	23.869	2.3335	0.303
2287	23.874	2.9165	0.188
2288	23.875	3.4999	0.074
2289	23.873	4.0833	-0.041
2290	23.866	4.6667	-0.156
2291	23.858	5.0887	-0.147
2292	23.849	5.3502	-0.143
2293	23.841	5.4499	-0.143
2294	23.832	5.3891	-0.147
2295	23.823	5.1664	-0.154
2296	23.814	4.9443	-0.163
2297	23.805	4.7221	-0.174
2298	23.795	4.4999	-0.186
2299	23.786	4.2777	-0.199
2300	23.777	4.0555	-0.211

2301	23.767	3.9112	-0.221
2302	23.758	3.8445	-0.229
2303	23.748	3.8557	-0.234
2304	23.738	3.9442	-0.236
2305	23.728	4.111	-0.236
2306	23.717	4.2777	-0.233
2307	23.707	4.4445	-0.227
2308	23.696	4.6112	-0.219
2309	23.686	4.778	-0.209
2310	23.675	4.9443	-0.198
2311	23.665	5.1951	-0.186
2312	23.655	5.5294	-0.174
2313	23.645	5.9483	-0.161
2314	23.634	6.4508	-0.148
2315	23.624	7.0369	-0.135
2316	23.614	7.6234	-0.122
2317	23.604	8.2099	-0.109
2318	23.595	8.7964	-0.098
2319	23.585	9.3825	-0.087
2320	23.576	9.813	-0.078
2321	23.568	10.087	-0.07
2322	23.56	10.205	-0.063
2323	23.552	10.167	-0.058
2324	23.545	9.9721	-0.053
2325	23.539	9.7777	-0.049
2326	23.533	9.5832	-0.045
2327	23.527	9.3887	-0.042
2328	23.522	9.1943	-0.038
2329	23.517	8.9998	-0.035
2330	23.513	8.9055	-0.032
2331	23.509	8.9113	-0.028
2332	23.505	9.0168	-0.025

2333	23.502	9.222	-0.021
2334	23.499	9.5278	-0.018
2335	23.496	9.8331	-0.015
2336	23.493	10.139	-0.013
2337	23.49	10.445	-0.01
2338	23.488	10.75	-0.008
2339	23.485	11.056	-0.007
2340	23.483	11.15	-0.006
2341	23.48	11.033	-0.005
2342	23.478	10.706	-0.004
2343	23.476	10.167	-0.003
2344	23.474	9.4165	-0.002
2345	23.473	8.6668	-0.001
2346	23.472	7.9166	0
2347	23.47	7.1665	0.001
2348	23.469	6.4168	0.002
2349	23.469	5.6667	0.003
2350	23.468	4.9832	0.004
2351	23.467	4.3667	0.005
2352	23.467	3.8168	0.007
2353	23.467	3.3331	0.008
2354	23.467	2.9165	0.009
2355	23.466	2.4998	0.01
2356	23.466	2.0832	0.011
2357	23.466	1.6666	0.012
2358	23.466	1.2499	0.012
2359	23.466	0.83328	0.013
2360	23.466	0.66162	0.015
2361	23.466	0.73493	0.016
2362	23.466	1.0532	0.017
2363	23.466	1.616	0.017
2364	23.466	2.4243	0.017

2365	23.466	3.2321	0.017
2366	23.466	4.0403	0.017
2367	23.466	4.8486	0.016
2368	23.466	5.6564	0.016
2369	23.466	6.4646	0.013
2370	23.466	7.2729	0.011
2371	23.465	7.9971	0.01
2372	23.465	8.6373	0.009
2373	23.464	9.1938	0.009
2374	23.463	9.6668	0.008
2375	23.462	10.056	0.008
2376	23.461	10.445	0.007
2377	23.46	10.833	0.007
2378	23.459	11.222	0.007
2379	23.458	11.611	0.007
2380	23.457	12	0.007
2381	23.456	12.366	0.007
2382	23.455	12.711	0.006
2383	23.454	13.033	0.006
2384	23.452	13.333	0.006
2385	23.451	13.611	0.006
2386	23.449	13.889	0.006
2387	23.448	14.167	0.006
2388	23.447	14.444	0.006
2389	23.445	14.722	0.006
2390	23.444	15	0.006
2391	23.442	15.122	0.006
2392	23.441	15.089	0.006
2393	23.439	14.9	0.006
2394	23.438	14.556	0.006
2395	23.436	14.055	0.007
2396	23.435	13.556	0.007

2397	23.434	13.055	0.007
2398	23.433	12.556	0.007
2399	23.432	12.055	0.008
2400	23.431	11.556	0.008
2401	23.43	11.072	0.008
2402	23.429	10.606	0.008
2403	23.428	10.155	0.009
2404	23.427	9.7222	0.009
2405	23.427	9.3056	0.009
2406	23.426	8.8889	0.01
2407	23.426	8.4723	0.01
2408	23.425	8.0557	0.01
2409	23.425	7.639	0.011
2410	23.424	7.2224	0.011
2411	23.424	6.8223	0.011
2412	23.424	6.4387	0.012
2413	23.423	6.0721	0.012
2414	23.423	5.7221	0.012
2415	23.423	5.3891	0.012
2416	23.423	5.0556	0.012
2417	23.422	4.7221	0.012
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2419	23.422	4.0555	0.012
2420	23.422	3.7221	0.011
2421	23.422	3.4498	0.01
2422	23.421	3.2388	0.01
2423	23.421	3.089	0.009
2424	23.421	3.0001	0.008
2425	23.421	2.9724	0.008
2426	23.42	2.9447	0.008
2427	23.42	2.9165	0.007
2428	23.42	2.8888	0.007

2429	23.42	2.8611	0.007
2430	23.419	2.8333	0.008
2431	23.419	2.8999	0.008
2432	23.419	3.0609	0.008
2433	23.419	3.3166	0.008
2434	23.418	3.6666	0.008
2435	23.418	4.111	0.008
2436	23.418	4.5553	0.008
2437	23.417	5.0001	0.008
2438	23.417	5.4445	0.007
2439	23.416	5.8889	0.007
2440	23.416	6.3332	0.007
2441	23.415	6.7668	0.006
2442	23.414	7.1889	0.006
2443	23.414	7.6001	0.006
2444	23.413	7.9998	0.006
2445	23.412	8.3887	0.006
2446	23.411	8.7776	0.006
2447	23.41	9.1666	0.006
2448	23.409	9.5555	0.005
2449	23.408	9.9444	0.005
2450	23.407	10.333	0.005
2451	23.406	10.7	0.005
2452	23.405	11.045	0.005
2453	23.403	11.366	0.005
2454	23.402	11.667	0.005
2455	23.401	11.944	0.005
2456	23.399	12.222	0.004
2457	23.398	12.5	0.004
2458	23.396	12.778	0.004
2459	23.395	13.055	0.003
2460	23.393	13.333	0.003

2461	23.391	13.593	0.003
2462	23.389	13.833	0.002
2463	23.387	14.055	0.002
2464	23.385	14.259	0.002
2465	23.383	14.444	0.002
2466	23.381	14.629	0.002
2467	23.379	14.815	0.002
2468	23.377	15	0.001
2469	23.374	15.185	0.001
2470	23.372	15.344	0.001
2471	23.37	15.478	0.001
2472	23.367	15.585	0.001
2473	23.365	15.667	0.001
2474	23.363	15.722	0.001
2475	23.36	15.778	0.002
2476	23.358	15.833	0.002
2477	23.356	15.889	0.002
2478	23.354	15.945	0.002
2479	23.351	16	0.002
2480	23.349	15.994	0.002
2481	23.347	15.928	0.002
2482	23.345	15.8	0.002
2483	23.343	15.611	0.003
2484	23.341	15.361	0.003
2485	23.338	15.111	0.003
2486	23.337	14.861	0.003
2487	23.335	14.611	0.004
2488	23.333	14.361	0.004
2489	23.331	14.111	0.004
2490	23.33	13.817	0.004
2491	23.328	13.478	0.005
2492	23.327	13.094	0.005

2493	23.325	12.666	0.005
2494	23.324	12.194	0.006
2495	23.323	11.722	0.006
2496	23.321	11.25	0.006
2497	23.32	10.778	0.006
2498	23.319	10.306	0.007
2499	23.318	9.8331	0.007
2500	23.318	9.4942	0.007
2501	23.317	9.289	0.006
2502	23.316	9.2166	0.006
2503	23.315	9.2779	0.006
2504	23.314	9.4723	0.006
2505	23.313	9.6668	0.005
2506	23.312	9.8613	0.005
2507	23.31	10.056	0.004
2508	23.309	10.25	0.004
2509	23.308	10.445	0.003
2510	23.306	10.656	0.002
2511	23.305	10.883	0.002
2512	23.303	11.128	0.001
2513	23.301	11.389	0.001
2514	23.3	11.667	0
2515	23.298	11.944	0
2516	23.296	12.222	-0.001
2517	23.293	12.5	-0.001
2518	23.291	12.778	-0.001
2519	23.289	13.055	-0.001
2520	23.287	13.316	-0.001
2521	23.284	13.561	-0.001
2522	23.282	13.789	-0.001
2523	23.28	14	-0.001
2524	23.277	14.194	-0.001

2525	23.275	14.389	-0.001
2526	23.273	14.583	0
2527	23.27	14.778	0
2528	23.268	14.972	0
2529	23.265	15.167	0
2530	23.263	15.372	0.001
2531	23.261	15.589	0.001
2532	23.258	15.817	0.001
2533	23.256	16.055	0.002
2534	23.254	16.305	0.002
2535	23.251	16.556	0.002
2536	23.249	16.806	0.003
2537	23.247	17.055	0.003
2538	23.245	17.305	0.003
2539	23.242	17.556	0.003
2540	23.24	17.783	0.004
2541	23.238	17.989	0.004
2542	23.236	18.172	0.004
2543	23.234	18.333	0.004
2544	23.231	18.472	0.004
2545	23.229	18.611	0.004
2546	23.227	18.75	0.004
2547	23.225	18.889	0.004
2548	23.222	19.028	0.004
2549	23.22	19.167	0.004
2550	23.218	19.245	0.004
2551	23.215	19.261	0.003
2552	23.213	19.216	0.003
2553	23.21	19.111	0.003
2554	23.207	18.944	0.002
2555	23.205	18.778	0.002
2556	23.202	18.611	0.002

2557	23.199	18.444	0.001
2558	23.196	18.278	0.001
2559	23.194	18.111	0.001
2560	23.191	17.955	0
2561	23.188	17.811	0
2562	23.185	17.678	0
2563	23.182	17.556	-0.001
2564	23.179	17.444	-0.001
2565	23.176	17.333	-0.001
2566	23.173	17.222	-0.001
2567	23.17	17.111	-0.002
2568	23.167	17	-0.002
2569	23.164	16.889	-0.002
2570	23.161	16.705	-0.002
2571	23.157	16.45	-0.003
2572	23.154	16.122	-0.003
2573	23.151	15.722	-0.003
2574	23.148	15.25	-0.003
2575	23.145	14.778	-0.003
2576	23.143	14.306	-0.004
2577	23.14	13.833	-0.004
2578	23.137	13.361	-0.004
2579	23.134	12.889	-0.004
2580	23.132	12.4	-0.004
2581	23.129	11.894	-0.004
2582	23.127	11.372	-0.003
2583	23.125	10.833	-0.003
2584	23.123	10.278	-0.003
2585	23.121	9.7222	-0.003
2586	23.119	9.1666	-0.004
2587	23.117	8.6109	-0.004
2588	23.116	8.0557	-0.004

2589	23.114	7.5	-0.004
2590	23.113	7.1057	-0.004
2591	23.111	6.8723	-0.004
2592	23.11	6.7999	-0.004
2593	23.108	6.8889	-0.005
2594	23.107	7.1388	-0.005
2595	23.105	7.3887	-0.005
2596	23.104	7.639	-0.005
2597	23.102	7.8889	-0.004
2598	23.101	8.1388	-0.004
2599	23.099	8.3887	-0.004
2600	23.097	8.6779	-0.004
2601	23.095	9.0056	-0.004
2602	23.094	9.3722	-0.004
2603	23.092	9.7777	-0.004
2604	23.09	10.222	-0.004
2605	23.087	10.667	-0.004
2606	23.085	11.111	-0.004
2607	23.083	11.556	-0.004
2608	23.081	12	-0.004
2609	23.078	12.444	-0.003
2610	23.076	12.817	-0.003
2611	23.073	13.117	-0.004
2612	23.071	13.345	-0.004
2613	23.068	13.5	-0.003
2614	23.065	13.583	-0.003
2615	23.063	13.666	-0.003
2616	23.06	13.75	-0.003
2617	23.058	13.833	-0.003
2618	23.055	13.917	-0.003
2619	23.052	14	-0.003
2620	23.05	14.055	-0.003

2621	23.047	14.083	-0.002
2622	23.044	14.083	-0.002
2623	23.042	14.055	-0.002
2624	23.039	14	-0.002
2625	23.037	13.945	-0.002
2626	23.034	13.889	-0.002
2627	23.032	13.833	-0.002
2628	23.029	13.778	-0.001
2629	23.027	13.722	-0.001
2630	23.025	13.678	-0.001
2631	23.022	13.645	-0.001
2632	23.02	13.622	-0.001
2633	23.018	13.611	-0.001
2634	23.015	13.611	-0.001
2635	23.013	13.611	-0.001
2636	23.011	13.611	-0.001
2637	23.008	13.611	-0.001
2638	23.006	13.611	-0.001
2639	23.004	13.645	0
2640	23.002	13.711	0
2641	22.999	13.811	0
2642	22.997	13.945	0
2643	22.995	14.111	0
2644	22.992	14.278	0
2645	22.99	14.444	0
2646	22.988	14.611	0
2647	22.985	14.778	0
2648	22.983	14.945	0
2649	22.981	15.111	0
2650	22.978	15.278	0
2651	22.976	15.444	0
2652	22.973	15.611	0

2653	22.971	15.778	0
2654	22.968	15.945	0
2655	22.965	16.111	0
2656	22.963	16.278	-0.001
2657	22.96	16.444	-0.001
2658	22.957	16.611	-0.001
2659	22.954	16.761	-0.001
2660	22.951	16.895	-0.001
2661	22.948	17.011	-0.001
2662	22.945	17.111	-0.001
2663	22.942	17.194	-0.001
2664	22.94	17.278	-0.001
2665	22.937	17.361	-0.001
2666	22.934	17.444	-0.001
2667	22.931	17.528	-0.001
2668	22.927	17.611	-0.002
2669	22.924	17.709	-0.002
2670	22.921	17.82	-0.002
2671	22.918	17.946	-0.002
2672	22.914	18.086	-0.002
2673	22.911	18.241	-0.002
2674	22.908	18.395	-0.002
2675	22.904	18.549	-0.002
2676	22.901	18.704	-0.003
2677	22.897	18.858	-0.003
2678	22.894	18.981	-0.003
2679	22.89	19.124	-0.003
2680	22.887	19.286	-0.002
2681	22.883	19.467	-0.002
2682	22.879	19.667	-0.002
2683	22.876	19.917	-0.002
2684	22.872	20.166	-0.002

2685	22.869	20.417	-0.002
2686	22.865	20.667	-0.002
2687	22.861	20.917	-0.002
2688	22.857	21.166	-0.002
2689	22.853	21.361	-0.002
2690	22.849	21.5	-0.002
2691	22.846	21.583	-0.002
2692	22.842	21.611	-0.001
2693	22.838	21.583	-0.001
2694	22.834	21.555	-0.001
2695	22.831	21.528	-0.001
2696	22.827	21.5	-0.001
2697	22.823	21.472	-0.001
2698	22.82	21.445	-0.001
2699	22.816	21.4	-0.001
2700	22.812	21.339	-0.001
2701	22.809	21.261	-0.001
2702	22.805	21.166	-0.001
2703	22.801	21.056	-0.001
2704	22.798	20.944	-0.001
2705	22.794	20.833	-0.001
2706	22.791	20.722	-0.001
2707	22.787	20.611	0
2708	22.784	20.5	0
2709	22.781	20.406	0
2710	22.777	20.328	0
2711	22.774	20.267	0
2712	22.771	20.222	0
2713	22.768	20.195	0
2714	22.764	20.166	0
2715	22.761	20.139	0
2716	22.758	20.111	0

2717	22.754	20.083	0
2718	22.751	20.056	0
2719	22.748	20.005	0
2720	22.745	19.934	0
2721	22.742	19.839	0
2722	22.738	19.722	0
2723	22.735	19.583	0
2724	22.732	19.444	0
2725	22.729	19.305	0
2726	22.726	19.167	0
2727	22.723	19.028	0.001
2728	22.72	18.889	0.001
2729	22.717	18.845	0.001
2730	22.714	18.895	0.001
2731	22.711	19.039	0.001
2732	22.709	19.278	0.001
2733	22.706	19.611	0.001
2734	22.703	19.944	0.001
2735	22.7	20.278	0.001
2736	22.696	20.611	0.001
2737	22.693	20.944	0.001
2738	22.69	21.278	0.001
2739	22.687	21.55	0.001
2740	22.684	21.761	0.001
2741	22.68	21.911	0.001
2742	22.677	22	0.001
2743	22.674	22.028	0.001
2744	22.67	22.056	0.001
2745	22.667	22.083	0.001
2746	22.664	22.111	0.001
2747	22.66	22.139	0.001
2748	22.657	22.166	0

2749	22.653	22.194	0
2750	22.649	22.222	0
2751	22.646	22.25	0
2752	22.642	22.278	0
2753	22.639	22.306	0
2754	22.635	22.333	-0.001
2755	22.631	22.361	-0.001
2756	22.627	22.389	-0.001
2757	22.623	22.417	-0.001
2758	22.619	22.445	-0.001
2759	22.616	22.466	-0.001
2760	22.612	22.483	-0.001
2761	22.608	22.495	-0.001
2762	22.604	22.5	-0.001
2763	22.6	22.5	-0.001
2764	22.596	22.5	0
2765	22.593	22.5	0
2766	22.589	22.5	0
2767	22.586	22.5	0
2768	22.582	22.5	0
2769	22.578	22.483	0
2770	22.575	22.45	0
2771	22.571	22.4	-0.001
2772	22.567	22.333	-0.001
2773	22.563	22.25	-0.001
2774	22.559	22.166	-0.001
2775	22.556	22.083	-0.001
2776	22.552	22	-0.001
2777	22.548	21.917	-0.001
2778	22.544	21.833	-0.002
2779	22.54	21.576	-0.002
2780	22.536	21.145	-0.003

2781	22.532	20.541	-0.003
2782	22.528	19.762	-0.004
2783	22.524	18.81	-0.005
2784	22.52	17.857	-0.005
2785	22.516	16.905	-0.006
2786	22.512	15.847	-0.007
2787	22.508	14.683	-0.009
2788	22.505	13.413	-0.01
2789	22.501	12.161	-0.012
2790	22.498	10.928	-0.014
2791	22.494	9.8183	-0.016
2792	22.491	8.8335	-0.019
2793	22.488	7.9721	-0.022
2794	22.485	7.1111	-0.025
2795	22.482	6.2501	-0.029
2796	22.479	5.3891	-0.035
2797	22.476	4.5276	-0.04
2798	22.474	3.6666	-0.044
2799	22.471	2.9388	-0.048
2800	22.47	2.3443	-0.052
2801	22.468	1.8834	-0.056
2802	22.467	1.5557	-0.058
2803	22.466	1.3612	-0.06
2804	22.465	1.1668	-0.062
2805	22.464	0.97231	-0.062
2806	22.463	0.77785	-0.062
2807	22.463	0.58339	-0.062
2808	22.462	0.38892	-0.062
2809	22.462	0.23335	-0.062
2810	22.462	0.11668	-0.062
2811	22.462	0	-0.062
2812	22.462	0	0

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2854	22.462	0	0
2855	22.462	0	0
2856	22.462	0	0
2857	22.462	0	5.148
2858	22.463	0.061692	5.148
2859	22.47	0.18507	5.148
2860	22.484	0.37015	5.148
2861	22.509	0.61736	5.148
2862	22.549	0.92582	5.148
2863	22.604	1.2347	5.162
2864	22.675	1.5432	5.128
2865	22.761	1.8516	5.059
2866	22.86	2.1605	4.957
2867	22.97	2.452	4.823
2868	23.091	2.726	4.661
2869	23.218	2.9827	4.476
2870	23.35	3.2223	4.269
2871	23.484	3.4444	4.042
2872	23.618	3.6666	3.785
2873	23.751	3.8888	3.562
2874	23.885	4.111	3.366
2875	24.02	4.3332	3.201
2876	24.155	4.5553	3.065

2877	24.291	4.7082	2.959
2878	24.428	4.7909	2.885
2879	24.563	4.8039	2.839
2880	24.697	4.7476	2.819
2881	24.828	4.6211	2.824
2882	24.957	4.495	2.85
2883	25.085	4.3685	2.893
2884	25.211	4.2424	2.945
2885	25.335	4.1163	2.997
2886	25.458	3.9898	3.035
2887	25.577	3.8638	3.054
2888	25.693	3.8235	3.05
2889	25.809	3.87	3.02
2890	25.925	4.0032	2.966
2891	26.043	4.2223	2.891
2892	26.165	4.5276	2.794
2893	26.289	4.8334	2.68
2894	26.416	5.1387	2.56
2895	26.545	5.4445	2.444
2896	26.674	5.7498	2.337
2897	26.805	6.0556	2.235
2898	26.937	6.322	2.14
2899	27.068	6.55	2.052
2900	27.197	6.7387	1.968
2901	27.325	6.8889	1.887
2902	27.449	7.0002	1.809
2903	27.57	7.1111	1.732
2904	27.688	7.2224	1.655
2905	27.801	7.3332	1.572
2906	27.91	7.4446	1.495
2907	28.019	7.5554	1.464
2908	28.13	7.6113	1.481

2909	28.247	7.6113	1.548
2910	28.372	7.5554	1.668
2911	28.509	7.4446	1.841
2912	28.66	7.2778	2.069
2913	28.828	7.1111	2.356
2914	29.017	6.9443	2.702
2915	29.229	6.7776	3.116
2916	29.466	6.6113	3.56
2917	29.725	6.4445	3.98
2918	30.001	6.2389	4.38
2919	30.291	5.9944	4.764
2920	30.591	5.7109	5.135
2921	30.894	5.3891	5.494
2922	31.197	5.0279	5.848
2923	31.497	4.6667	6.201
2924	31.789	4.3054	6.544
2925	32.07	3.9442	6.854
2926	32.339	3.5835	7.182
2927	32.593	3.2223	7.482
2928	32.83	2.9554	7.714
2929	33.054	2.7833	7.864
2930	33.271	2.7055	7.928
2931	33.484	2.722	7.903
2932	33.699	2.8333	7.784
2933	33.917	2.9447	7.574
2934	34.135	3.0555	7.305
2935	34.352	3.1668	6.995
2936	34.563	3.2777	6.602
2937	34.769	3.389	6.185
2938	34.963	3.4056	5.76
2939	35.144	3.3278	5.383
2940	35.307	3.1557	5.051

2941	35.45	2.8888	4.761
2942	35.572	2.5276	4.51
2943	35.672	2.1668	4.286
2944	35.752	1.8056	4.072
2945	35.816	1.4444	3.946
2946	35.865	1.0832	3.886
2947	35.9	0.72242	3.886
2948	35.919	0.58339	2.943
2949	35.932	0.66654	2.16
2950	35.944	0.97231	1.465
2951	35.954	1.4998	0.828
2952	35.958	2.25	0.229
2953	35.949	3.0001	-0.34
2954	35.918	3.7498	-0.889
2955	35.859	4.4999	-1.422
2956	35.764	5.25	-1.939
2957	35.678	6.0002	-1.5
2958	35.601	6.6721	-1.211
2959	35.53	7.2666	-1.002
2960	35.465	7.7834	-0.84
2961	35.407	8.2224	-0.709
2962	35.355	8.5832	-0.6
2963	35.31	8.9444	-0.504
2964	35.27	9.3056	-0.419
2965	35.236	9.6668	-0.342
2966	35.207	10.028	-0.278
2967	35.183	10.389	-0.225
2968	35.162	10.633	-0.181
2969	35.144	10.761	-0.147
2970	35.13	10.772	-0.122
2971	35.117	10.667	-0.105
2972	35.105	10.445	-0.095

2973	35.094	10.222	-0.093
2974	35.082	9.9998	-0.098
2975	35.07	9.7777	-0.104
2976	35.058	9.5555	-0.112
2977	35.044	9.3333	-0.124
2978	35.03	9.1223	-0.142
2979	35.014	8.922	-0.164
2980	34.995	8.7334	-0.192
2981	34.974	8.5555	-0.224
2982	34.951	8.3887	-0.263
2983	34.924	8.2224	-0.307
2984	34.894	8.0557	-0.358
2985	34.859	7.8889	-0.413
2986	34.822	7.7222	-0.468
2987	34.781	7.5554	-0.518
2988	34.737	7.4387	-0.561
2989	34.692	7.3721	-0.597
2990	34.645	7.3556	-0.624
2991	34.596	7.3887	-0.645
2992	34.546	7.4723	-0.657
2993	34.495	7.5554	-0.661
2994	34.444	7.639	-0.657
2995	34.393	7.7222	-0.646
2996	34.343	7.8053	-0.632
2997	34.294	7.8889	-0.609
2998	34.247	7.9891	-0.579
2999	34.202	8.1057	-0.541
3000	34.16	8.2389	-0.496
3001	34.122	8.3887	-0.444
3002	34.088	8.5555	-0.386
3003	34.058	8.7222	-0.321
3004	34.035	8.8889	-0.249

3005	34.018	9.0557	-0.174
3006	34.008	9.222	-0.099
3007	34.004	9.3887	-0.022
3008	34.008	9.5166	0.056
3009	34.019	9.6055	0.135
3010	34.038	9.6556	0.217
3011	34.066	9.6668	0.302
3012	34.102	9.6391	0.39
3013	34.147	9.6109	0.481
3014	34.201	9.5832	0.575
3015	34.263	9.5555	0.668
3016	34.334	9.5278	0.756
3017	34.411	9.5	0.831
3018	34.494	9.5331	0.893
3019	34.583	9.6279	0.942
3020	34.677	9.7835	0.978
3021	34.774	9.9998	1.001
3022	34.875	10.278	1.01
3023	34.978	10.556	1.008
3024	35.082	10.833	0.993
3025	35.188	11.111	0.974
3026	35.293	11.389	0.951
3027	35.398	11.667	0.926
3028	35.502	11.883	0.9
3029	35.604	12.037	0.872
3030	35.704	12.13	0.843
3031	35.8	12.16	0.811
3032	35.893	12.13	0.778
3033	35.981	12.099	0.743
3034	36.064	12.068	0.705
3035	36.143	12.037	0.669
3036	36.217	12.006	0.633

3037	36.287	11.926	0.601
3038	36.353	11.796	0.571
3039	36.415	11.617	0.544
3040	36.472	11.389	0.519
3041	36.527	11.111	0.497
3042	36.577	10.833	0.477
3043	36.625	10.556	0.459
3044	36.669	10.278	0.444
3045	36.711	9.9998	0.433
3046	36.752	9.7222	0.429
3047	36.793	9.3168	0.446
3048	36.836	8.7834	0.49
3049	36.883	8.1223	0.572
3050	36.936	7.3332	0.707
3051	36.999	6.4168	0.924
3052	37.066	5.4999	1.143
3053	37.134	4.5835	1.363
3054	37.198	3.6666	1.583
3055	37.255	2.7502	1.797
3056	37.301	1.8333	1.991
3057	37.332	1.1002	2.16
3058	37.351	0.54986	2.292
3059	37.36	0.18329	2.373
3060	37.362	0	2.373
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3106	37.362	0	-6.676
3107	37.358	0.11668	-6.676
3108	37.343	0.35003	-6.538
3109	37.31	0.70006	-6.215
3110	37.256	1.1668	-5.774
3111	37.179	1.7502	-5.252
3112	37.084	2.3335	-4.67
3113	36.977	2.9165	-4.056
3114	36.867	3.4999	-3.42
3115	36.761	4.0833	-2.77
3116	36.668	4.6667	-2.109
3117	36.591	5.0037	-1.576
3118	36.529	5.0945	-1.221
3119	36.479	4.9389	-0.97
3120	36.44	4.537	-0.8
3121	36.411	3.8888	-0.69
3122	36.388	3.2406	-0.613
3123	36.372	2.5924	-0.556
3124	36.36	1.9446	-0.515
3125	36.351	1.2964	-0.484
3126	36.346	0.77785	-0.462
3127	36.344	0.38892	-0.449
3128	36.343	0.12964	-0.449
3129	36.342	0	-0.449
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3177	36.338	0.16675	-2.906
3178	36.331	0.33349	-2.906
3179	36.318	0.55567	-2.906
3180	36.298	0.83328	-2.906
3181	36.269	1.1109	-2.906
3182	36.237	1.389	-2.574
3183	36.202	1.6666	-2.242
3184	36.168	1.9446	-1.908
3185	36.135	2.2222	-1.572
3186	36.106	2.4319	-1.233
3187	36.083	2.5741	-0.891
3188	36.068	2.6483	-0.546
3189	36.062	2.6545	-0.197
3190	36.066	2.5924	0.154
3191	36.07	2.5307	0.178
3192	36.075	2.469	0.202
3193	36.08	2.4073	0.223
3194	36.085	2.3456	0.242
3195	36.091	2.2517	0.259
3196	36.096	2.1261	0.272

3197	36.102	1.9679	0.283
3198	36.107	1.7779	0.29
3199	36.112	1.5557	0.294
3200	36.116	1.3335	0.294
3201	36.119	1.1109	0.294
3202	36.122	0.88872	0.294
3203	36.124	0.66654	0.294
3204	36.126	0.44436	0.294
3205	36.127	0.3165	0.294
3206	36.127	0.28342	0.294
3207	36.128	0.34422	0.294
3208	36.13	0.49979	0.294
3209	36.131	0.75013	0.294
3210	36.134	1	0.294
3211	36.136	1.2499	0.242
3212	36.139	1.4998	0.188
3213	36.14	1.7502	0.13
3214	36.141	2.0001	0.06
3215	36.141	2.2777	-0.018
3216	36.138	2.5834	-0.102
3217	36.132	2.9165	-0.193
3218	36.123	3.2777	-0.287
3219	36.109	3.6666	-0.386
3220	36.091	4.0555	-0.436
3221	36.07	4.4445	-0.487
3222	36.044	4.8334	-0.541
3223	36.013	5.2223	-0.592
3224	35.977	5.6112	-0.66
3225	35.933	5.7945	-0.755
3226	35.88	5.7722	-0.894
3227	35.817	5.5446	-1.093
3228	35.743	5.111	-1.384

3229	35.662	4.4722	-1.671
3230	35.58	3.8334	-1.954
3231	35.501	3.1945	-2.231
3232	35.429	2.5557	-2.499
3233	35.367	1.9165	-2.743
3234	35.32	1.2776	-2.952
3235	35.288	0.76667	-3.112
3236	35.269	0.38311	-3.207
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3284	35.259	0	-3.383
3285	35.258	0.083149	-3.383
3286	35.252	0.2499	-3.383
3287	35.239	0.49979	-3.383
3288	35.219	0.83328	-3.007
3289	35.191	1.2499	-2.631
3290	35.158	1.6666	-2.255
3291	35.123	2.0832	-1.878
3292	35.088	2.4998	-1.501

3293	35.057	2.9165	-1.124
3294	35.033	3.3331	-0.746
3295	35.02	3.6554	-0.368
3296	35.02	3.8834	0.01
3297	35.02	4.0167	0.013
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3300	35.02	3.9442	0.015
3301	35.019	3.8888	0.003
3302	35.018	3.8334	-0.018
3303	35.015	3.7779	-0.048
3304	35.011	3.7221	-0.091
3305	35.005	3.6054	-0.148
3306	34.998	3.4279	-0.206
3307	34.988	3.1887	-0.265
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3309	34.967	2.5276	-0.376
3310	34.957	2.1668	-0.42
3311	34.948	1.8056	-0.456
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3313	34.933	1.0832	-0.497
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3315	34.925	0.54449	-0.497
3316	34.922	0.54986	-0.497
3317	34.919	0.73896	-0.492
3318	34.915	1.1109	-0.473
3319	34.908	1.6666	-0.443
3320	34.9	2.2222	-0.407
3321	34.891	2.7779	-0.365
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3323	34.87	3.8888	-0.27
3324	34.86	4.4445	-0.218

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3326	34.845	5.1888	-0.111
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3329	34.837	5.3891	0
3330	34.838	5.3332	0.036
3331	34.841	5.2778	0.072
3332	34.846	5.2223	0.11
3333	34.853	5.1664	0.151
3334	34.862	5.111	0.195
3335	34.874	5.0444	0.242
3336	34.888	4.9666	0.293
3337	34.904	4.8777	0.347
3338	34.923	4.778	0.4
3339	34.943	4.6667	0.445
3340	34.965	4.5553	0.493
3341	34.988	4.4445	0.543
3342	35.014	4.3332	0.597
3343	35.041	4.2223	0.654
3344	35.07	4.111	0.714
3345	35.101	3.9912	0.78
3346	35.134	3.8629	0.852
3347	35.169	3.7261	0.93
3348	35.206	3.5803	1.026
3349	35.245	3.4261	1.131
3350	35.286	3.2714	1.239
3351	35.328	3.1172	1.349
3352	35.372	2.963	1.459
3353	35.417	2.8088	1.567
3354	35.462	2.6742	1.672
3355	35.508	2.5593	1.77
3356	35.554	2.4641	1.854

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3358	35.647	2.3335	1.976
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3360	35.739	2.2222	2.05
3361	35.784	2.1668	2.073
3362	35.824	2.1109	1.907
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3366	35.925	2.4221	0.69
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3368	35.929	3.111	-0.097
3369	35.911	3.4999	-0.526
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3371	35.821	4.2777	-1.289
3372	35.751	4.6667	-1.556
3373	35.662	5.0556	-1.798
3374	35.556	5.411	-2.026
3375	35.429	5.7333	-2.247
3376	35.284	6.0221	-2.466
3377	35.118	6.2778	-2.684
3378	34.932	6.5	-2.896
3379	34.726	6.7221	-3.094
3380	34.502	6.9443	-3.266
3381	34.26	7.1665	-3.415
3382	34.001	7.3887	-3.543
3383	33.726	7.6113	-3.652
3384	33.437	7.8053	-3.744
3385	33.134	7.9721	-3.82
3386	32.821	8.1111	-3.883
3387	32.499	8.2224	-3.933
3388	32.169	8.3056	-3.975

3389	31.834	8.3887	-4.002
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3393	30.466	8.7222	-3.939
3394	30.126	8.7638	-3.884
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3401	27.997	8.1312	-3.277
3402	27.739	8.0051	-3.19
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3413	25.692	2.25	-3.903
3414	25.615	1.4998	-4.076
3415	25.564	0.89989	-4.232
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3468	25.522	0.49979	0.531
3469	25.525	0.75013	0.531
3470	25.529	1	0.531
3471	25.535	1.2499	0.531
3472	25.541	1.4998	0.445
3473	25.547	1.7502	0.364
3474	25.552	2.0001	0.286
3475	25.556	2.2222	0.213
3476	25.559	2.4167	0.143
3477	25.56	2.5834	0.076
3478	25.56	2.722	0.012
3479	25.558	2.8333	-0.05
3480	25.555	2.9447	-0.109
3481	25.552	3.0555	-0.081
3482	25.549	3.1668	-0.059
3483	25.548	3.2777	-0.041
3484	25.546	3.389	-0.027

3485	25.545	3.461	-0.016
3486	25.544	3.4945	-0.008
3487	25.544	3.4887	-0.002
3488	25.543	3.4444	0
3489	25.543	3.3613	0
3490	25.542	3.2777	0
3491	25.541	3.1945	0
3492	25.541	3.111	0
3493	25.54	3.0278	0
3494	25.54	2.9447	0
3495	25.54	2.8222	0
3496	25.539	2.6612	0
3497	25.539	2.461	0
3498	25.538	2.2222	0
3499	25.538	1.9446	0
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3501	25.537	1.389	0
3502	25.537	1.1109	0
3503	25.537	0.83328	0
3504	25.537	0.55567	0
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3559	25.5	0.75013	-2.687
3560	25.476	1	-2.687
3561	25.446	1.2499	-2.687
3562	25.408	1.4998	-2.687
3563	25.365	1.7502	-2.687
3564	25.314	2.0001	-2.687
3565	25.258	2.1498	-2.687
3566	25.199	2.1999	-2.687
3567	25.14	2.1498	-2.687
3568	25.084	2.0001	-2.687
3569	25.034	1.7502	-2.687
3570	24.99	1.4998	-2.687
3571	24.952	1.2499	-2.687
3572	24.922	1	-2.687
3573	24.898	0.75013	-2.687
3574	24.882	0.49979	-2.687
3575	24.87	0.37775	-2.687
3576	24.859	0.38311	-2.687
3577	24.847	0.51678	-2.687
3578	24.83	0.77785	-2.694
3579	24.804	1.1668	-2.671
3580	24.768	1.5557	-2.626

3581	24.722	1.9446	-2.566
3582	24.669	2.3335	-2.498
3583	24.607	2.722	-2.426
3584	24.538	3.111	-2.355
3585	24.463	3.4444	-2.28
3586	24.383	3.7221	-2.203
3587	24.301	3.9442	-2.119
3588	24.217	4.111	-2.064
3589	24.132	4.2223	-2.029
3590	24.046	4.3332	-2.008
3591	23.958	4.4445	-1.994
3592	23.868	4.5553	-1.982
3593	23.776	4.6667	-1.969
3594	23.683	4.778	-1.957
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3597	23.396	5.1445	-1.882
3598	23.299	5.2778	-1.842
3599	23.203	5.4168	-1.796
3600	23.106	5.5554	-1.744
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3602	22.915	5.8334	-1.632
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3604	22.726	6.111	-1.548
3605	22.631	6.0945	-1.54
3606	22.536	5.9224	-1.569
3607	22.441	5.5943	-1.644
3608	22.344	5.111	-1.783
3609	22.251	4.4722	-1.928
3610	22.164	3.8334	-2.079
3611	22.085	3.1945	-2.231
3612	22.016	2.5557	-2.379

3613	21.96	1.9165	-2.519
3614	21.917	1.2776	-2.64
3615	21.889	0.79439	-2.734
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3619	21.843	0.41664	-2.789
3620	21.829	0.55567	-2.789
3621	21.812	0.69425	-2.789
3622	21.79	0.83328	-2.789
3623	21.765	0.97231	-2.789
3624	21.736	1.1109	-2.789
3625	21.703	1.1945	-2.789
3626	21.669	1.2222	-2.789
3627	21.636	1.1945	-2.789
3628	21.603	1.1109	-2.789
3629	21.574	0.97231	-2.789
3630	21.549	0.83328	-2.789
3631	21.527	0.69425	-2.789
3632	21.51	0.55567	-2.789
3633	21.496	0.41664	-2.789
3634	21.486	0.27761	-2.789
3635	21.48	0.16675	-2.789
3636	21.477	0.083149	-2.789
3637	21.476	0	-2.789
3638	21.476	0	0
3639	21.476	0	0
3640	21.476	0	0
3641	21.476	0	0
3642	21.476	0	0
3643	21.476	0	0
3644	21.476	0	0

3645	21.476	0	0
3646	21.476	0	0
3647	21.476	0	0
3648	21.476	0	0
3649	21.476	0	0
3650	21.476	0	0
3651	21.476	0	0
3652	21.476	0	0
3653	21.476	0	0
3654	21.476	0	0
3655	21.476	0	0
3656	21.476	0	0
3657	21.476	0	0
3658	21.476	0	0
3659	21.476	0	0
3660	21.476	0	0
3661	21.476	0	0
3662	21.476	0	0
3663	21.476	0	0
3664	21.476	0	0
3665	21.476	0	0
3666	21.476	0	0
3667	21.476	0	0
3668	21.476	0	0
3669	21.476	0	0
3670	21.476	0	0
3671	21.476	0	0
3672	21.476	0	0
3673	21.476	0	0
3674	21.476	0	0
3675	21.476	0	0
3676	21.476	0	0

3677	21.476	0	0
3678	21.476	0	0
3679	21.476	0	0
3680	21.476	0	0
3681	21.476	0	0
3682	21.476	0	0
3683	21.476	0	-2.359
3684	21.475	0.07242	-2.359
3685	21.471	0.21681	-2.359
3686	21.463	0.43318	-2.359
3687	21.45	0.72242	-2.359
3688	21.428	1.0832	-2.359
3689	21.398	1.4444	-2.359
3690	21.348	1.8056	-3.101
3691	21.273	2.1668	-3.754
3692	21.171	2.5276	-4.333
3693	21.039	2.8888	-4.85
3694	20.876	3.2612	-5.303
3695	20.679	3.6443	-5.694
3696	20.447	4.039	-6.033
3697	20.179	4.4445	-6.327
3698	19.872	4.8611	-6.583
3699	19.565	5.2778	-6.062
3700	19.257	5.6944	-5.6
3701	18.95	6.111	-5.185
3702	18.646	6.5277	-4.808
3703	18.344	6.9443	-4.473
3704	18.044	7.361	-4.173
3705	17.749	7.7776	-3.896
3706	17.457	8.1942	-3.638
3707	17.171	8.6109	-3.394
3708	16.89	9.028	-3.163

3709	16.617	9.4446	-2.942
3710	16.352	9.8613	-2.729
3711	16.097	10.278	-2.524
3712	15.851	10.695	-2.326
3713	15.616	11.111	-2.143
3714	15.39	11.475	-1.981
3715	15.175	11.785	-1.837
3716	14.969	12.043	-1.71
3717	14.773	12.248	-1.598
3718	14.586	12.399	-1.5
3719	14.408	12.551	-1.413
3720	14.237	12.702	-1.335
3721	14.074	12.853	-1.266
3722	13.916	13.005	-1.204
3723	13.764	13.156	-1.143
3724	13.618	13.308	-1.087
3725	13.478	13.451	-1.035
3726	13.342	13.587	-0.987
3727	13.211	13.714	-0.943
3728	13.085	13.833	-0.902
3729	12.962	13.945	-0.866
3730	12.843	14.055	-0.833
3731	12.727	14.167	-0.804
3732	12.615	14.278	-0.778
3733	12.504	14.389	-0.753
3734	12.396	14.5	-0.732
3735	12.29	14.572	-0.712
3736	12.187	14.606	-0.695
3737	12.085	14.6	-0.679
3738	11.986	14.556	-0.666
3739	11.888	14.472	-0.654
3740	11.793	14.389	-0.645

3741	11.699	14.306	-0.636
3742	11.607	14.222	-0.629
3743	11.517	14.139	-0.621
3744	11.429	14.055	-0.612
3745	11.342	14.016	-0.603
3746	11.256	14.022	-0.596
3747	11.171	14.072	-0.59
3748	11.086	14.167	-0.584
3749	11.001	14.306	-0.58
3750	10.916	14.444	-0.576
3751	10.83	14.583	-0.574
3752	10.744	14.722	-0.573
3753	10.657	14.861	-0.574
3754	10.568	15	-0.575
3755	10.479	15.13	-0.576
3756	10.389	15.25	-0.578
3757	10.298	15.361	-0.58
3758	10.205	15.463	-0.583
3759	10.112	15.556	-0.586
3760	10.018	15.648	-0.589
3761	9.9219	15.741	-0.593
3762	9.8251	15.833	-0.597
3763	9.7273	15.926	-0.6
3764	9.6281	16.044	-0.604
3765	9.5276	16.189	-0.608
3766	9.4253	16.359	-0.612
3767	9.3215	16.556	-0.615
3768	9.2158	16.778	-0.618
3769	9.1082	17	-0.621
3770	8.9986	17.222	-0.624
3771	8.8871	17.444	-0.627
3772	8.7733	17.667	-0.632

3773	8.6574	17.889	-0.636
3774	8.5394	18.026	-0.641
3775	8.4199	18.079	-0.646
3776	8.2994	18.047	-0.651
3777	8.1786	17.929	-0.655
3778	8.0581	17.727	-0.66
3779	7.9382	17.525	-0.664
3780	7.8192	17.323	-0.667
3781	7.701	17.121	-0.67
3782	7.5842	16.919	-0.67
3783	7.469	16.717	-0.669
3784	7.3556	16.515	-0.666
3785	7.2438	16.415	-0.663
3786	7.133	16.418	-0.659
3787	7.0224	16.522	-0.655
3788	6.9117	16.728	-0.65
3789	6.8002	17.037	-0.644
3790	6.6878	17.346	-0.638
3791	6.5744	17.655	-0.632
3792	6.4596	17.963	-0.628
3793	6.3435	18.271	-0.625
3794	6.2258	18.541	-0.623
3795	6.106	18.77	-0.626
3796	5.9836	18.96	-0.633
3797	5.8577	19.111	-0.645
3798	5.7279	19.222	-0.661
3799	5.5935	19.333	-0.681
3800	5.4537	19.444	-0.705
3801	5.3076	19.555	-0.733
3802	5.1542	19.667	-0.766
3803	4.9929	19.778	-0.802
3804	4.8235	19.848	-0.839

3805	4.6463	19.878	-0.876
3806	4.462	19.866	-0.911
3807	4.2711	19.815	-0.946
3808	4.074	19.722	-0.981
3809	3.8709	19.63	-1.016
3810	3.6622	19.486	-1.051
3811	3.4484	19.292	-1.087
3812	3.2302	19.046	-1.122
3813	3.0087	18.75	-1.156
3814	2.7848	18.472	-1.187
3815	2.5581	18.264	-1.218
3816	2.3285	18.125	-1.246
3817	2.0953	18.055	-1.273
3818	1.8582	18.055	-1.297
3819	1.6174	18.055	-1.318
3820	1.3732	18.055	-1.336
3821	1.1262	18.055	-1.352
3822	0.87687	18.055	-1.365
3823	0.62499	18.055	-1.379
3824	0.37147	18.083	-1.387
3825	0.11629	18.139	-1.393
3826	-0.14043	18.222	-1.396
3827	-0.39851	18.333	-1.396
3828	-0.65781	18.472	-1.393
3829	-0.91814	18.611	-1.388
3830	-1.1791	18.75	-1.381
3831	-1.4403	18.889	-1.372
3832	-1.7016	19.028	-1.362
3833	-1.9634	19.167	-1.355
3834	-2.2261	19.261	-1.351
3835	-2.4897	19.311	-1.351
3836	-2.754	19.317	-1.352

3837	-3.0187	19.278	-1.356
3838	-3.2838	19.195	-1.362
3839	-3.5495	19.111	-1.371
3840	-3.8161	19.028	-1.382
3841	-4.0841	18.944	-1.396
3842	-4.3545	18.861	-1.414
3843	-4.6273	18.778	-1.434
3844	-4.9025	18.563	-1.458
3845	-5.1769	18.216	-1.476
3846	-5.4471	17.739	-1.487
3847	-5.7109	17.286	-1.49
3848	-5.9669	16.857	-1.484
3849	-6.2151	16.585	-1.468
3850	-6.4557	16.468	-1.44
3851	-6.6893	16.508	-1.401
3852	-6.9148	16.548	-1.348
3853	-7.1302	16.587	-1.284
3854	-7.3343	16.63	-1.213
3855	-7.5262	16.676	-1.136
3856	-7.7049	16.726	-1.054
3857	-7.8699	16.778	-0.969
3858	-8.0203	16.833	-0.879
3859	-8.1556	16.889	-0.786
3860	-8.2749	16.945	-0.689
3861	-8.3774	17	-0.588
3862	-8.4626	17.055	-0.484
3863	-8.5298	17.111	-0.377
3864	-8.5795	17.156	-0.274
3865	-8.6113	17.189	-0.169
3866	-8.6249	17.211	-0.063
3867	-8.6199	17.222	0.045
3868	-8.5962	17.222	0.154

3869	-8.5533	17.222	0.265
3870	-8.4912	17.222	0.377
3871	-8.4092	17.222	0.492
3872	-8.3071	17.222	0.609
3873	-8.1842	17.222	0.73
3874	-8.0418	17.194	0.844
3875	-7.8802	17.139	0.957
3876	-7.7003	17.083	1.068
3877	-7.5023	17.028	1.177
3878	-7.2868	16.972	1.284
3879	-7.0542	16.945	1.388
3880	-6.8041	16.945	1.492
3881	-6.5368	16.945	1.594
3882	-6.2524	16.945	1.695
3883	-5.9498	16.945	1.802
3884	-5.6304	16.833	1.908
3885	-5.2968	16.734	2.004
3886	-4.9507	16.648	2.09
3887	-4.5939	16.574	2.165
3888	-4.2277	16.512	2.23
3889	-3.8528	16.574	2.283
3890	-3.4695	16.636	2.325
3891	-3.0797	16.697	2.356
3892	-2.685	16.759	2.376
3893	-2.2869	16.821	2.388
3894	-1.8862	16.854	2.397
3895	-1.4845	16.857	2.4
3896	-1.0837	16.832	2.396
3897	-0.68574	16.778	2.385
3898	-0.29241	16.694	2.367
3899	0.094627	16.611	2.341
3900	0.47427	16.528	2.308

3901	0.84476	16.444	2.264
3902	1.2045	16.361	2.21
3903	1.5522	16.278	2.147
3904	1.8871	16.266	2.075
3905	2.2091	16.328	1.992
3906	2.518	16.461	1.901
3907	2.8134	16.667	1.8
3908	3.0949	16.945	1.691
3909	3.3611	17.222	1.575
3910	3.6107	17.5	1.454
3911	3.8421	17.778	1.328
3912	4.0542	18.055	1.2
3913	4.2468	18.333	1.075
3914	4.421	18.545	0.961
3915	4.5779	18.689	0.859
3916	4.7187	18.767	0.768
3917	4.845	18.778	0.689
3918	4.9582	18.722	0.62
3919	5.0601	18.667	0.561
3920	5.1523	18.611	0.511
3921	5.2367	18.556	0.47
3922	5.3146	18.5	0.437
3923	5.3866	18.444	0.406
3924	5.4535	18.4	0.379
3925	5.5169	18.367	0.361
3926	5.5783	18.31	0.351
3927	5.6393	18.229	0.35
3928	5.7014	18.125	0.358
3929	5.766	17.986	0.374
3930	5.8347	17.812	0.4
3931	5.909	17.639	0.435
3932	5.9902	17.465	0.479

3933	6.079	17.292	0.527
3934	6.1752	17.165	0.575
3935	6.2797	17.085	0.626
3936	6.393	17.053	0.68
3937	6.516	17.068	0.737
3938	6.6495	17.13	0.797
3939	6.7941	17.191	0.859
3940	6.9503	17.253	0.923
3941	7.1186	17.315	0.99
3942	7.2994	17.376	1.059
3943	7.4934	17.448	1.13
3944	7.7001	17.53	1.198
3945	7.9183	17.621	1.258
3946	8.1469	17.722	1.31
3947	8.3845	17.833	1.353
3948	8.6299	17.945	1.388
3949	8.8817	18.055	1.415
3950	9.1386	18.167	1.435
3951	9.3992	18.278	1.446
3952	9.6622	18.389	1.451
3953	9.9265	18.489	1.45
3954	10.191	18.578	1.446
3955	10.457	18.655	1.443
3956	10.723	18.722	1.441
3957	10.99	18.778	1.441
3958	11.258	18.833	1.441
3959	11.527	18.889	1.443
3960	11.798	18.944	1.447
3961	12.071	19	1.452
3962	12.345	19.056	1.461
3963	12.624	19.05	1.476
3964	12.904	18.983	1.491

3965	13.186	18.856	1.506
3966	13.468	18.667	1.52
3967	13.749	18.417	1.533
3968	14.029	18.167	1.546
3969	14.307	17.916	1.557
3970	14.583	17.667	1.567
3971	14.856	17.417	1.574
3972	15.126	17.167	1.579
3973	15.393	16.911	1.583
3974	15.658	16.65	1.594
3975	15.92	16.383	1.604
3976	16.179	16.111	1.612
3977	16.435	15.833	1.619
3978	16.688	15.556	1.624
3979	16.936	15.278	1.628
3980	17.18	15	1.629
3981	17.42	14.722	1.628
3982	17.654	14.444	1.625
3983	17.883	14.172	1.613
3984	18.104	13.906	1.594
3985	18.317	13.645	1.562
3986	18.52	13.389	1.517
3987	18.711	13.139	1.458
3988	18.889	12.889	1.384
3989	19.053	12.639	1.296
3990	19.2	12.389	1.192
3991	19.329	12.139	1.071
3992	19.439	11.889	0.934
3993	19.53	11.683	0.785
3994	19.601	11.522	0.632
3995	19.652	11.405	0.459
3996	19.68	11.333	0.265

3997	19.684	11.306	0.052
3998	19.662	11.278	-0.181
3999	19.612	11.25	-0.431
4000	19.532	11.222	-0.696
4001	19.421	11.194	-0.971
4002	19.279	11.167	-1.254
4003	19.105	11.25	-1.54
4004	18.899	11.444	-1.799
4005	18.662	11.75	-2.027
4006	18.394	12.167	-2.221
4007	18.096	12.695	-2.383
4008	17.769	13.222	-2.512
4009	17.415	13.75	-2.611
4010	17.036	14.278	-2.684
4011	16.636	14.806	-2.735
4012	16.217	15.333	-2.767
4013	15.779	15.828	-2.796
4014	15.323	16.289	-2.823
4015	14.852	16.717	-2.842
4016	14.367	17.111	-2.854
4017	13.87	17.472	-2.86
4018	13.362	17.833	-2.86
4019	12.845	18.195	-2.853
4020	12.321	18.556	-2.841
4021	11.789	18.916	-2.823
4022	11.251	19.278	-2.8
4023	10.709	19.583	-2.778
4024	10.164	19.833	-2.75
4025	9.6199	20.028	-2.713
4026	9.0812	20.166	-2.665
4027	8.5513	20.25	-2.607
4028	8.0332	20.333	-2.538

4029	7.5295	20.417	-2.457
4030	7.0424	20.5	-2.365
4031	6.5748	20.584	-2.261
4032	6.1296	20.667	-2.143
4033	5.7079	20.715	-2.022
4034	5.3099	20.728	-1.905
4035	4.9366	20.706	-1.786
4036	4.5886	20.675	-1.666
4037	4.2666	20.635	-1.543
4038	3.9708	20.622	-1.418
4039	3.7014	20.635	-1.29
4040	3.4587	20.675	-1.159
4041	3.2432	20.714	-1.025
4042	3.056	20.754	-0.887
4043	2.8983	20.78	-0.743
4044	2.7694	20.793	-0.604
4045	2.6694	20.792	-0.465
4046	2.5987	20.778	-0.324
4047	2.5571	20.75	-0.184
4048	2.545	20.722	-0.042
4049	2.5624	20.694	0.1
4050	2.6093	20.667	0.243
4051	2.6859	20.639	0.387
4052	2.7923	20.611	0.532
4053	2.9295	20.589	0.682
4054	3.0961	20.572	0.826
4055	3.2921	20.561	0.969
4056	3.5165	20.555	1.108
4057	3.7693	20.555	1.246
4058	4.0498	20.555	1.381
4059	4.3577	20.555	1.514
4060	4.6922	20.555	1.644

4061	5.0531	20.555	1.772
4062	5.4398	20.555	1.898
4063	5.853	20.55	2.027
4064	6.2915	20.539	2.151
4065	6.7523	20.522	2.261
4066	7.2325	20.5	2.358
4067	7.7289	20.472	2.44
4068	8.2387	20.444	2.509
4069	8.7591	20.417	2.564
4070	9.2871	20.389	2.605
4071	9.8197	20.361	2.631
4072	10.354	20.333	2.643
4073	10.888	20.317	2.646
4074	11.422	20.311	2.643
4075	11.954	20.317	2.636
4076	12.484	20.333	2.625
4077	13.011	20.361	2.61
4078	13.536	20.389	2.592
4079	14.057	20.417	2.57
4080	14.573	20.444	2.545
4081	15.085	20.472	2.516
4082	15.59	20.5	2.485
4083	16.091	20.522	2.456
4084	16.585	20.539	2.424
4085	17.072	20.55	2.389
4086	17.552	20.555	2.353
4087	18.025	20.555	2.315
4088	18.489	20.555	2.274
4089	18.944	20.555	2.231
4090	19.39	20.555	2.186
4091	19.826	20.555	2.139
4092	20.252	20.555	2.089

4093	20.668	20.555	2.039
4094	21.075	20.555	1.998
4095	21.472	20.555	1.948
4096	21.857	20.555	1.891
4097	22.229	20.555	1.826
4098	22.586	20.555	1.753
4099	22.927	20.555	1.673
4100	23.249	20.555	1.584
4101	23.551	20.555	1.488
4102	23.833	20.555	1.384
4103	24.089	20.555	1.263
4104	24.32	20.555	1.141
4105	24.528	20.555	1.027
4106	24.714	20.555	0.92
4107	24.879	20.555	0.821
4108	25.026	20.555	0.729
4109	25.155	20.555	0.645
4110	25.268	20.555	0.569
4111	25.368	20.555	0.5
4112	25.455	20.561	0.439
4113	25.531	20.572	0.387
4114	25.596	20.589	0.334
4115	25.65	20.611	0.275
4116	25.69	20.639	0.209
4117	25.715	20.667	0.137
4118	25.723	20.694	0.058
4119	25.714	20.722	-0.027
4120	25.686	20.75	-0.119
4121	25.638	20.778	-0.217
4122	25.568	20.795	-0.322
4123	25.474	20.802	-0.433
4124	25.361	20.798	-0.528

4125	25.231	20.783	-0.611
4126	25.086	20.757	-0.682
4127	24.929	20.732	-0.74
4128	24.762	20.707	-0.786
4129	24.589	20.682	-0.82
4130	24.412	20.656	-0.842
4131	24.233	20.631	-0.853
4132	24.053	20.606	-0.854
4133	23.873	20.459	-0.861
4134	23.691	20.19	-0.881
4135	23.506	19.799	-0.909
4136	23.318	19.286	-0.943
4137	23.129	18.651	-0.983
4138	22.937	18.016	-1.03
4139	22.743	17.381	-1.081
4140	22.546	16.836	-1.137
4141	22.344	16.381	-1.198
4142	22.137	16.016	-1.263
4143	21.925	15.667	-1.324
4144	21.708	15.333	-1.379
4145	21.488	14.926	-1.441
4146	21.263	14.444	-1.512
4147	21.036	13.889	-1.592
4148	20.804	13.333	-1.685
4149	20.568	12.778	-1.791
4150	20.327	12.222	-1.912
4151	20.081	11.667	-2.049
4152	19.828	11.111	-2.205
4153	19.567	10.556	-2.39
4154	19.3	9.9998	-2.587
4155	19.028	9.4446	-2.78
4156	18.755	8.8889	-2.967

4157	18.482	8.3333	-3.148
4158	18.213	7.7776	-3.326
4159	17.95	7.2224	-3.489
4160	17.699	6.6667	-3.614
4161	17.463	6.111	-3.676
4162	17.249	5.5554	-3.658
4163	17.056	5.2612	-3.557
4164	16.876	5.2277	-3.416
4165	16.701	5.4557	-3.256
4166	16.525	5.9443	-3.078
4167	16.342	6.6944	-2.879
4168	16.152	7.4446	-2.668
4169	15.958	8.1942	-2.468
4170	15.759	8.9444	-2.302
4171	15.554	9.6945	-2.187
4172	15.338	10.445	-2.129
4173	15.109	11.122	-2.105
4174	14.87	11.728	-2.079
4175	14.623	12.261	-2.045
4176	14.371	12.722	-2.003
4177	14.116	13.111	-1.953
4178	13.862	13.5	-1.894
4179	13.61	13.889	-1.824
4180	13.363	14.278	-1.743
4181	13.121	14.666	-1.651
4182	12.889	15.055	-1.546
4183	12.667	15.433	-1.441
4184	12.454	15.8	-1.351
4185	12.245	16.156	-1.287
4186	12.039	16.5	-1.248
4187	11.831	16.833	-1.233
4188	11.617	17.167	-1.241

4189	11.394	17.5	-1.271
4190	11.158	17.833	-1.322
4191	10.904	18.167	-1.394
4192	10.628	18.5	-1.487
4193	10.329	18.794	-1.591
4194	10.006	19.05	-1.687
4195	9.6643	19.267	-1.77
4196	9.3053	19.444	-1.839
4197	8.9322	19.583	-1.896
4198	8.5476	19.722	-1.941
4199	8.154	19.861	-1.973
4200	7.7535	20	-1.994
4201	7.3487	20.139	-2.001
4202	6.942	20.278	-1.997
4203	6.5348	20.407	-1.986
4204	6.1261	20.528	-1.981
4205	5.7169	20.639	-1.972
4206	5.3089	20.722	-1.957
4207	4.9035	20.778	-1.938
4208	4.502	20.815	-1.915
4209	4.1057	20.833	-1.887
4210	3.716	20.833	-1.855
4211	3.3341	20.833	-1.817
4212	2.961	20.833	-1.775
4213	2.5987	20.816	-1.724
4214	2.2493	20.783	-1.664
4215	1.9149	20.733	-1.595
4216	1.5977	20.667	-1.516
4217	1.2999	20.584	-1.428
4218	1.0234	20.5	-1.33
4219	0.77012	20.417	-1.222
4220	0.5419	20.333	-1.104

4221	0.34059	20.25	-0.976
4222	0.16818	20.166	-0.837
4223	0.024584	20.106	-0.697
4224	-0.091747	20.067	-0.563
4225	-0.18224	20.05	-0.435
4226	-0.24825	20.056	-0.313
4227	-0.29103	20.083	-0.197
4228	-0.31196	20.111	-0.088
4229	-0.3124	20.139	0.014
4230	-0.29349	20.166	0.11
4231	-0.2568	20.195	0.198
4232	-0.20348	20.222	0.28
4233	-0.13372	20.239	0.361
4234	-0.049547	20.244	0.432
4235	0.045756	20.239	0.487
4236	0.1489	20.222	0.526
4237	0.25677	20.195	0.55
4238	0.36612	20.166	0.558
4239	0.4739	20.139	0.551
4240	0.5769	20.111	0.528
4241	0.67193	20.083	0.489
4242	0.75578	20.056	0.434
4243	0.82744	19.994	0.374
4244	0.88685	19.9	0.314
4245	0.93521	19.772	0.26
4246	0.97358	19.611	0.211
4247	1.0032	19.417	0.168
4248	1.0254	19.222	0.131
4249	1.0412	19.028	0.099
4250	1.052	18.833	0.073
4251	1.0587	18.639	0.052
4252	1.0626	18.444	0.037

4253	1.0644	18.289	0.026
4254	1.0645	18.172	0.017
4255	1.0616	18.094	0
4256	1.0543	18.055	-0.024
4257	1.0415	18.055	-0.055
4258	1.0216	18.055	-0.094
4259	0.99358	18.055	-0.139
4260	0.95618	18.055	-0.191
4261	0.9083	18.055	-0.249
4262	0.84877	18.117	-0.313
4263	0.77621	18.239	-0.383
4264	0.69149	18.422	-0.446
4265	0.59485	18.667	-0.505
4266	0.4866	18.972	-0.559
4267	0.36704	19.278	-0.609
4268	0.23683	19.583	-0.654
4269	0.096278	19.889	-0.696
4270	-0.054264	20.195	-0.735
4271	-0.21463	20.5	-0.772
4272	-0.38427	20.717	-0.807
4273	-0.56384	20.845	-0.848
4274	-0.75373	20.883	-0.894
4275	-0.95358	20.833	-0.942
4276	-1.1625	20.694	-0.99
4277	-1.3801	20.555	-1.039
4278	-1.6065	20.417	-1.089
4279	-1.8413	20.278	-1.138
4280	-2.0842	20.139	-1.186
4281	-2.3347	20	-1.232
4282	-2.5926	19.911	-1.276
4283	-2.8567	19.872	-1.312
4284	-3.1261	19.883	-1.339

4285	-3.3989	19.944	-1.354
4286	-3.6735	20.056	-1.357
4287	-3.9476	20.166	-1.347
4288	-4.2192	20.278	-1.327
4289	-4.4858	20.389	-1.295
4290	-4.7451	20.5	-1.252
4291	-4.995	20.611	-1.2
4292	-5.2332	20.7	-1.137
4293	-5.459	20.767	-1.073
4294	-5.6715	20.811	-1.006
4295	-5.8691	20.833	-0.933
4296	-6.05	20.833	-0.852
4297	-6.2127	20.833	-0.765
4298	-6.3557	20.833	-0.67
4299	-6.4772	20.833	-0.567
4300	-6.5758	20.833	-0.457
4301	-6.6497	20.833	-0.339
4302	-6.6975	20.833	-0.213
4303	-6.7179	20.833	-0.082
4304	-6.7126	20.833	0.042
4305	-6.6818	20.833	0.164
4306	-6.6264	20.833	0.282
4307	-6.547	20.833	0.397
4308	-6.4446	20.833	0.508
4309	-6.3194	20.833	0.617
4310	-6.1724	20.833	0.722
4311	-6.0041	20.833	0.824
4312	-5.815	20.828	0.924
4313	-5.6047	20.816	1.026
4314	-5.374	20.8	1.125
4315	-5.1233	20.778	1.222
4316	-4.8531	20.75	1.318

4317	-4.5636	20.722	1.412
4318	-4.2554	20.694	1.505
4319	-3.9287	20.667	1.596
4320	-3.5841	20.639	1.685
4321	-3.222	20.611	1.772
4322	-2.8429	20.589	1.857
4323	-2.4462	20.572	1.944
4324	-2.0329	20.561	2.026
4325	-1.6048	20.555	2.099
4326	-1.1636	20.555	2.163
4327	-0.71092	20.555	2.219
4328	-0.24858	20.555	2.266
4329	0.22156	20.555	2.304
4330	0.69787	20.555	2.334
4331	1.1785	20.555	2.355
4332	1.6616	20.561	2.367
4333	2.1466	20.572	2.375
4334	2.633	20.589	2.38
4335	3.12	20.611	2.381
4336	3.6072	20.639	2.379
4337	4.0938	20.667	2.373
4338	4.579	20.694	2.363
4339	5.0622	20.722	2.35
4340	5.5429	20.75	2.335
4341	6.0205	20.778	2.317
4342	6.4943	20.783	2.297
4343	6.9639	20.767	2.277
4344	7.4289	20.728	2.258
4345	7.8876	20.667	2.233
4346	8.3381	20.584	2.201
4347	8.7792	20.5	2.164
4348	9.2097	20.417	2.121

4349	9.6283	20.333	2.071
4350	10.034	20.25	2.014
4351	10.424	20.166	1.95
4352	10.799	20.067	1.88
4353	11.157	19.95	1.804
4354	11.498	19.817	1.732
4355	11.824	19.667	1.668
4356	12.137	19.5	1.613
4357	12.438	19.333	1.566
4358	12.729	19.167	1.528
4359	13.011	19	1.498
4360	13.287	18.833	1.475
4361	13.558	18.667	1.458
4362	13.824	18.561	1.447
4363	14.088	18.517	1.439
4364	14.349	18.533	1.429
4365	14.608	18.611	1.409
4366	14.863	18.75	1.38
4367	15.112	18.889	1.343
4368	15.355	19.028	1.297
4369	15.59	19.167	1.244
4370	15.815	19.305	1.185
4371	16.029	19.444	1.121
4372	16.23	19.528	1.052
4373	16.418	19.555	0.977
4374	16.593	19.528	0.909
4375	16.756	19.444	0.855
4376	16.91	19.305	0.813
4377	17.058	19.167	0.784
4378	17.202	19.028	0.768
4379	17.344	18.889	0.764
4380	17.486	18.75	0.773

4381	17.632	18.611	0.796
4382	17.783	18.403	0.833
4383	17.94	18.125	0.879
4384	18.103	17.778	0.925
4385	18.269	17.361	0.957
4386	18.433	16.796	0.975
4387	18.591	16.153	0.978
4388	18.74	15.43	0.963
4389	18.878	14.629	0.929
4390	18.999	13.75	0.873
4391	19.102	12.87	0.789
4392	19.184	11.944	0.673
4393	19.241	10.972	0.521
4394	19.277	9.9538	0.357
4395	19.295	8.8889	0.208
4396	19.3	7.7776	0.076
4397	19.296	6.6667	-0.042
4398	19.286	5.5554	-0.147
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4400	19.261	3.3331	-0.302
4401	19.251	2.2222	-0.345
4402	19.244	1.3335	-0.355
4403	19.241	0.66654	-0.344
4404	19.239	0.22218	-0.337
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4451	19.239	0	-1.829
4452	19.238	0.066609	-1.829
4453	19.236	0.19983	-1.829
4454	19.23	0.4001	-1.829
4455	19.22	0.66654	-1.829
4456	19.207	1	-1.624
4457	19.19	1.3335	-1.42
4458	19.172	1.6666	-1.216
4459	19.153	2.0001	-1.012
4460	19.135	2.3335	-0.808
4461	19.119	2.6666	-0.604
4462	19.108	2.8669	-0.4
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4467	19.101	2.0001	0.009
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4469	19.101	1.3335	0.009
4470	19.101	1	0.01
4471	19.101	0.66654	0.01
4472	19.101	0.46671	0.01
4473	19.101	0.4001	0.01
4474	19.1	0.46671	0.01
4475	19.1	0.66654	0.01
4476	19.1	1	0.01

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4478	19.1	1.6666	0.009
4479	19.1	2.0001	0.007
4480	19.1	2.3335	0.006
4481	19.1	2.6666	0.004
4482	19.099	2.8669	0.002
4483	19.099	2.9335	0
4484	19.098	2.8669	-0.002
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4487	19.097	2.0001	-0.007
4488	19.096	1.6666	-0.008
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4490	19.095	1	-0.009
4491	19.095	0.66654	-0.009
4492	19.095	0.44436	-0.009
4493	19.095	0.33349	-0.009
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4498	19.094	1.1109	-0.009
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4504	19.092	1.9111	-0.009
4505	19.091	1.7779	-0.009
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4507	19.09	1.3335	-0.009
4508	19.09	1.1109	-0.009

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4510	19.09	0.66654	-0.009
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4512	19.089	0.26688	-0.009
4513	19.089	0.13322	-0.009
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4560	19.089	0	-9.044
4561	19.086	0.066609	-9.044
4562	19.077	0.13322	-9.044
4563	19.061	0.22218	-9.044
4564	19.036	0.33349	-9.044
4565	19.001	0.44436	-9.044
4566	18.956	0.55567	-9.044
4567	18.901	0.66654	-9.044
4568	18.836	0.77785	-9.044
4569	18.761	0.88872	-9.044
4570	18.676	0.98885	-9.044
4571	18.583	1.0778	-9.044
4572	18.482	1.1556	-9.044

4573	18.375	1.2222	-9.044
4574	18.262	1.2776	-9.044
4575	18.144	1.3335	-9.044
4576	18.021	1.389	-9.044
4577	17.893	1.4444	-9.044
4578	17.76	1.4998	-9.044
4579	17.623	1.5557	-9.044
4580	17.481	1.5888	-9.044
4581	17.337	1.6	-9.044
4582	17.193	1.5888	-9.044
4583	17.051	1.5557	-9.044
4584	16.913	1.4998	-9.044
4585	16.78	1.4444	-9.044
4586	16.653	1.389	-9.044
4587	16.53	1.3335	-9.044
4588	16.412	1.2776	-9.044
4589	16.299	1.2222	-9.044
4590	16.191	1.1721	-9.044
4591	16.087	1.1279	-9.044
4592	15.987	1.089	-9.044
4593	15.891	1.0555	-9.044
4594	15.797	1.0277	-9.044
4595	15.705	1	-9.044
4596	15.616	0.97231	-9.044
4597	15.53	0.9446	-9.044
4598	15.446	0.91688	-9.044
4599	15.364	0.88872	-9.044
4600	15.282	0.93878	-9.044
4601	15.191	1.0666	-9.044
4602	15.086	1.2723	-9.044
4603	14.958	1.5557	-9.044
4604	14.802	1.9165	-9.044

4605	14.612	2.2777	-9.044
4606	14.389	2.6389	-9.111
4607	14.132	3.0001	-9.117
4608	13.844	3.3613	-9.088
4609	13.525	3.7221	-9.042
4610	13.178	4.0055	-8.997
4611	12.81	4.2111	-8.962
4612	12.429	4.339	-8.937
4613	12.041	4.389	-8.922
4614	11.652	4.3613	-8.899
4615	11.271	4.3332	-8.78
4616	10.896	4.3054	-8.703
4617	10.525	4.2777	-8.659
4618	10.157	4.25	-8.649
4619	9.7899	4.2223	-8.679
4620	9.4248	4.1168	-8.773
4621	9.0691	3.9335	-8.857
4622	8.7302	3.6724	-8.93
4623	8.4152	3.3331	-9.013
4624	8.1308	2.9165	-9.124
4625	7.8808	2.4998	-9.254
4626	7.6663	2.0832	-9.386
4627	7.4886	1.6666	-9.501
4628	7.3494	1.2499	-9.575
4629	7.25	0.83328	-9.575
4630	7.1863	0.49979	-9.575
4631	7.1505	0.2499	-9.575
4632	7.1346	0.083149	-9.575
4633	7.1307	0	-9.575
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4649	7.1307	0	0
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4674	7.1307	0	0
4675	7.1307	0	0
4676	7.1307	0	0
4677	7.1307	0	0
4678	7.1307	0	0
4679	7.1307	0	1.421
4680	7.1313	0.094325	1.421
4681	7.134	0.28342	1.421
4682	7.1391	0.56685	1.22
4683	7.1467	0.9446	1.024
4684	7.1563	1.4167	0.832
4685	7.1667	1.8887	0.642
4686	7.176	2.3613	0.453
4687	7.1825	2.8333	0.266
4688	7.1844	3.3054	0.078
4689	7.1799	3.7779	-0.11
4690	7.1674	4.161	-0.299
4691	7.1544	4.4556	-0.286
4692	7.1409	4.6613	-0.279
4693	7.1272	4.778	-0.275
4694	7.1133	4.8057	-0.273
4695	7.0994	4.8334	-0.273
4696	7.0853	4.8611	-0.274
4697	7.0711	4.8888	-0.275
4698	7.0568	4.9165	-0.276
4699	7.0424	4.9443	-0.276
4700	7.0279	4.9778	-0.276

4701	7.0133	5.0167	-0.276
4702	6.9986	5.0609	-0.276
4703	6.9838	5.111	-0.275
4704	6.9689	5.1664	-0.273
4705	6.9539	5.2223	-0.272
4706	6.9389	5.2778	-0.27
4707	6.9238	5.3332	-0.269
4708	6.9085	5.3891	-0.268
4709	6.8931	5.4445	-0.269
4710	6.8775	5.4387	-0.271
4711	6.8616	5.3721	-0.277
4712	6.8455	5.2442	-0.288
4713	6.829	5.0556	-0.303
4714	6.8123	4.8057	-0.324
4715	6.7951	4.5553	-0.351
4716	6.7774	4.3054	-0.384
4717	6.7591	4.0555	-0.421
4718	6.7403	3.8057	-0.461
4719	6.7212	3.5558	-0.502
4720	6.702	3.3832	-0.54
4721	6.6823	3.2889	-0.573
4722	6.6621	3.2723	-0.601
4723	6.6409	3.3331	-0.623
4724	6.6187	3.4722	-0.639
4725	6.5951	3.6112	-0.649
4726	6.5705	3.7498	-0.653
4727	6.5449	3.8888	-0.653
4728	6.5185	4.0278	-0.652
4729	6.4912	4.1669	-0.65
4730	6.463	4.2835	-0.65
4731	6.434	4.3779	-0.653
4732	6.4042	4.4498	-0.659

4733	6.3737	4.4999	-0.667
4734	6.3423	4.5276	-0.678
4735	6.3102	4.5553	-0.692
4736	6.2771	4.5835	-0.708
4737	6.2428	4.6112	-0.73
4738	6.207	4.6389	-0.758
4739	6.1691	4.6667	-0.799
4740	6.1288	4.5839	-0.854
4741	6.0866	4.3908	-0.925
4742	6.0438	4.0868	-0.994
4743	6.002	3.6729	-1.061
4744	5.963	3.1481	-1.126
4745	5.9283	2.6232	-1.188
4746	5.8985	2.0989	-1.244
4747	5.8745	1.574	-1.292
4748	5.8569	1.0492	-1.328
4749	5.8451	0.6795	-1.347
4750	5.8373	0.46492	-1.347
4751	5.8314	0.40502	-1.347
4752	5.8252	0.49979	-1.347
4753	5.8167	0.75013	-1.347
4754	5.8047	1	-1.347
4755	5.7894	1.2499	-1.347
4756	5.7707	1.4998	-1.347
4757	5.7485	1.7502	-1.347
4758	5.723	2.0001	-1.347
4759	5.6947	2.1498	-1.347
4760	5.665	2.1999	-1.347
4761	5.6354	2.1498	-1.347
4762	5.6071	2.0001	-1.347
4763	5.5816	1.7502	-1.347
4764	5.5594	1.4998	-1.347

4765	5.5407	1.2499	-1.347
4766	5.5253	1	-1.347
4767	5.5134	0.75013	-1.347
4768	5.5049	0.49979	-1.347
4769	5.4989	0.37775	-1.347
4770	5.4937	0.38311	-1.347
4771	5.4876	0.51678	-1.347
4772	5.4802	0.77785	-1.118
4773	5.4715	1.1668	-0.888
4774	5.4623	1.5557	-0.656
4775	5.4546	1.9446	-0.423
4776	5.4503	2.3335	-0.186
4777	5.4513	2.722	0.056
4778	5.4598	3.111	0.306
4779	5.4777	3.4109	0.565
4780	5.5064	3.6224	0.833
4781	5.538	3.7444	0.874
4782	5.5717	3.7779	0.914
4783	5.6069	3.7221	0.954
4784	5.643	3.6666	0.993
4785	5.6798	3.6112	1.029
4786	5.7172	3.5558	1.06
4787	5.755	3.4999	1.085
4788	5.7926	3.4444	1.1
4789	5.8298	3.3944	1.105
4790	5.8666	3.3501	1.108
4791	5.9028	3.3112	1.101
4792	5.9379	3.2777	1.082
4793	5.9717	3.25	1.052
4794	6.0038	3.2223	1.01
4795	6.034	3.1945	0.957
4796	6.0619	3.1668	0.892

4797	6.0871	3.1387	0.815
4798	6.1093	3.111	0.727
4799	6.1282	3.0944	0.627
4800	6.1437	3.089	0.518
4801	6.1555	3.0944	0.395
4802	6.163	3.111	0.259
4803	6.1659	3.1387	0.11
4804	6.1638	3.1668	-0.05
4805	6.1563	3.1945	-0.222
4806	6.1428	3.2223	-0.403
4807	6.1231	3.25	-0.593
4808	6.0968	3.2777	-0.79
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4810	6.0244	3.3667	-1.163
4811	5.9791	3.4279	-1.317
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4813	5.8729	3.5835	-1.553
4814	5.813	3.6666	-1.636
4815	5.7494	3.7498	-1.698
4816	5.6829	3.8334	-1.738
4817	5.6142	3.9165	-1.758
4818	5.5439	4.0001	-1.759
4819	5.4724	4.0891	-1.752
4820	5.3999	4.1834	-1.737
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4825	5.0333	4.7221	-1.543
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4827	4.8906	4.9443	-1.433
4828	4.8208	5.0556	-1.38

4829	4.7521	5.0779	-1.34
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4831	4.6205	4.8557	-1.294
4832	4.5587	4.6112	-1.29
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4835	4.3939	3.6112	-1.348
4836	4.346	3.2777	-1.374
4837	4.3024	2.9447	-1.386
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4839	4.2299	2.3943	-1.338
4840	4.1994	2.2947	-1.285
4841	4.171	2.3112	-1.217
4842	4.1436	2.4444	-1.136
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4853	3.8892	4.2777	-0.424
4854	3.871	4.2223	-0.412
4855	3.8534	4.1669	-0.404
4856	3.8362	4.111	-0.398
4857	3.8195	4.0555	-0.393
4858	3.8033	4.0001	-0.388
4859	3.7874	3.9889	-0.38
4860	3.772	4.022	-0.37

4861	3.7567	4.0998	-0.36
4862	3.7415	4.2223	-0.349
4863	3.7263	4.389	-0.337
4864	3.711	4.5553	-0.325
4865	3.6957	4.7221	-0.314
4866	3.6804	4.8888	-0.303
4867	3.665	5.0556	-0.294
4868	3.6494	5.2223	-0.286
4869	3.6337	5.3609	-0.281
4870	3.6178	5.4722	-0.278
4871	3.6019	5.5554	-0.271
4872	3.5864	5.6112	-0.262
4873	3.5714	5.639	-0.251
4874	3.5571	5.6667	-0.236
4875	3.5438	5.6944	-0.219
4876	3.5315	5.7221	-0.198
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4878	3.5112	5.7775	-0.147
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4883	3.4864	6.0833	-0.031
4884	3.484	6.1665	-0.022
4885	3.4819	6.2501	-0.019
4886	3.4795	6.3332	-0.021
4887	3.4767	6.4168	-0.028
4888	3.4731	6.5	-0.04
4889	3.4684	6.5777	-0.056
4890	3.4626	6.6502	-0.071
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4892	3.4445	6.7776	-0.138

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4903	2.9175	8.0557	-1.153
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4909	2.0565	9.4446	-2.013
4910	1.8403	9.1666	-2.307
4911	1.5999	8.6109	-2.69
4912	1.3343	7.7776	-3.226
4913	1.0626	6.6667	-3.749
4914	0.80165	5.5554	-4.258
4915	0.56382	4.4445	-4.746
4916	0.36101	3.3331	-5.206
4917	0.20459	2.2222	-5.624
4918	0.098175	1.3335	-5.98
4919	0.035643	0.66654	-6.249
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