

Temperature data

applied as boundary condition

Data are provided by Andreas Vieli (UZH) for Corvatsch and Marcia Phillips (SLF), as part of PERMOS, supported by MeteoSwiss(in the framework of GCOS Switzerland)/BAFU/SCNAT.

cf www.permos.ch & <http://dx.doi.org/10.13093/permos-2019-01>

COR_BH55-50_18yrs_2001-18_gapfilled.txt

daily measured temperature in °C at Corvatsch, gap-filled (details see publication)
starting at 2000-10-01, ending 2018-09-30
BH COR0287 (depth 0.55 m) till 2016-01-31 and then BH COR0315 (depth 0.5 m)

SBE_BH0_15yrs_2001-16_gapfilled.txt

daily measured temperature in °C at Schafberg, gap-filled (details see publication)
starting at 2000-10-01, ending 2016-09-30
BH SBE0290 (depth 0 m)

COR_BH55-50_18yrs_2001-18_gapfilled

0	1	1.426
1	2	-2.831
2	3	0.385
3	4	2.29
4	5	2.85
5	6	-0.215
6	7	-0.204
7	8	0.202
8	9	-0.682
9	10	-0.395
10	11	-0.075
11	12	-0.058
12	13	-0.052
13	14	-0.044
14	15	-0.198
15	16	-0.145
16	17	-0.069
17	18	-0.061
18	19	0.149
19	20	-0.03
20	21	-0.805
21	22	-0.657
22	23	-1.265
23	24	-0.515
24	25	-1.92
25	26	-1.447
26	27	-0.718
27	28	-1.605
28	29	-2.195
29	30	-0.933
30	31	-0.883
31	32	-0.833
32	33	-0.791
33	34	-0.723
34	35	-0.678
35	36	-0.638
36	37	-0.612
37	38	-0.592
38	39	-0.6
39	40	-1
40	41	-1
41	42	-0.831
42	43	-1
43	44	-0.88
44	45	-0.809
45	46	-0.787
46	47	-0.69
47	48	-0.69
48	49	-0.869
49	50	-0.69
50	51	-0.924
51	52	-0.71

52	53	-0.71
53	54	-0.71
54	55	-0.71
55	56	-0.71
56	57	-1.165
57	58	-0.996
58	59	-0.964
59	60	-0.82
60	61	-0.82
61	62	-0.951
62	63	-0.941
63	64	-0.957
64	65	-0.971
65	66	-1.013
66	67	-1.007
67	68	-1.016
68	69	-1.032
69	70	-1.018
70	71	-1.046
71	72	-1.074
72	73	-1.069
73	74	-1.033
74	75	-1.006
75	76	-0.994
76	77	-1.011
77	78	-1.039
78	79	-1.079
79	80	-1.12
80	81	-1.158
81	82	-1.151
82	83	-1.162
83	84	-1.188
84	85	-1.218
85	86	-1.267
86	87	-1.318
87	88	-1.389
88	89	-1.434
89	90	-1.474
90	91	-1.516
91	92	-1.586
92	93	-1.688
93	94	-1.695
94	95	-1.706
95	96	-1.738
96	97	-1.774
97	98	-1.838
98	99	-1.826
99	100	-1.792
100	101	-1.802
101	102	-1.831
102	103	-1.887
103	104	-1.903
104	105	-1.882
105	106	-1.889

106	107	-1.882
107	108	-1.893
108	109	-1.924
109	110	-1.942
110	111	-1.983
111	112	-2.013
112	113	-2.051
113	114	-2.079
114	115	-2.125
115	116	-2.172
116	117	-2.187
117	118	-2.174
118	119	-2.186
119	120	-2.218
120	121	-2.262
121	122	-2.283
122	123	-2.315
123	124	-2.339
124	125	-2.399
125	126	-2.436
126	127	-2.477
127	128	-2.489
128	129	-2.525
129	130	-2.55
130	131	-2.551
131	132	-2.541
132	133	-2.568
133	134	-2.668
134	135	-2.695
135	136	-2.643
136	137	-2.664
137	138	-2.696
138	139	-2.692
139	140	-2.615
140	141	-2.629
141	142	-2.631
142	143	-2.593
143	144	-2.652
144	145	-2.632
145	146	-2.622
146	147	-2.577
147	148	-2.596
148	149	-2.631
149	150	-2.676
150	151	-2.728
151	152	-2.778
152	153	-2.852
153	154	-2.979
154	155	-3.056
155	156	-3.074
156	157	-3.225
157	158	-3.278
158	159	-3.255
159	160	-3.237

160	161	-3.286
161	162	-3.329
162	163	-3.351
163	164	-3.267
164	165	-3.241
165	166	-3.305
166	167	-3.28
167	168	-3.257
168	169	-3.239
169	170	-3.217
170	171	-3.222
171	172	-3.233
172	173	-3.204
173	174	-3.19
174	175	-3.146
175	176	-3.115
176	177	-3.088
177	178	-3.063
178	179	-3.034
179	180	-3.021
180	181	-2.987
181	182	-3.007
182	183	-3.028
183	184	-2.43
184	185	-2.43
185	186	-2.43
186	187	-2.43
187	188	-2.43
188	189	-2.43
189	190	-2.43
190	191	-2.43
191	192	-2.43
192	193	-2.43
193	194	-2.43
194	195	-2.42
195	196	-2.12
196	197	-2.12
197	198	-2.12
198	199	-2.12
199	200	-2.12
200	201	-2.12
201	202	-2.12
202	203	-2.12
203	204	-2.12
204	205	-2.12
205	206	-2.12
206	207	-2.12
207	208	-2.12
208	209	-2.12
209	210	-2.12
210	211	-2.12
211	212	-2.12
212	213	-2.12
213	214	-2.12

214	215	-2.12
215	216	-2
216	217	-1.82
217	218	-1.76
218	219	-1.41
219	220	-0.66
220	221	-0.31
221	222	-0.31
222	223	-0.31
223	224	-0.31
224	225	-0.31
225	226	-0.31
226	227	-0.31
227	228	-0.31
228	229	-0.31
229	230	-0.31
230	231	-0.31
231	232	-0.31
232	233	-0.31
233	234	-0.31
234	235	-0.31
235	236	-0.31
236	237	-0.31
237	238	-0.31
238	239	-0.31
239	240	-0.31
240	241	-0.31
241	242	-0.31
242	243	-0.31
243	244	-0.31
244	245	-0.31
245	246	-0.31
246	247	-0.31
247	248	-0.31
248	249	-0.31
249	250	-0.31
250	251	-0.31
251	252	-0.31
252	253	-0.31
253	254	-0.31
254	255	-0.31
255	256	-0.31
256	257	-0.31
257	258	-0.31
258	259	-0.31
259	260	-0.31
260	261	-0.31
261	262	-0.31
262	263	-0.31
263	264	-0.31
264	265	-0.31
265	266	-0.31
266	267	-0.31
267	268	-0.31

268	269	-0.31
269	270	-0.31
270	271	-0.31
271	272	0.2
272	273	0.82
273	274	1.66
274	275	2.99
275	276	5.1
276	277	6.31
277	278	6.2
278	279	7.97
279	280	6.35
280	281	4.32
281	282	5.95
282	283	7.99
283	284	8.51
284	285	7.82
285	286	8.96
286	287	9.05
287	288	7.1
288	289	4.39
289	290	4.01
290	291	4.88
291	292	3.2
292	293	1.9
293	294	3.57
294	295	9.09
295	296	10.95
296	297	8.08
297	298	8.01
298	299	9.35
299	300	11.05
300	301	9.7
301	302	9.69
302	303	11.09
303	304	13.16
304	305	14.1
305	306	13.33
306	307	12.04
307	308	9.65
308	309	6.27
309	310	6.8
310	311	8.85
311	312	8.14
312	313	6.39
313	314	5.46
314	315	3.46
315	316	6.53
316	317	10.34
317	318	11.99
318	319	12.34
319	320	12.2
320	321	11.25
321	322	8.25

322	323	8.96
323	324	7.3
324	325	7.77
325	326	9.46
326	327	10.91
327	328	11.72
328	329	12.2
329	330	12.84
330	331	12.97
331	332	12.65
332	333	12.56
333	334	9.07
334	335	4.5
335	336	1.8
336	337	2.96
337	338	4.27
338	339	1.631
339	340	-0.267
340	341	1.842
341	342	1.185
342	343	2.815
343	344	-0.441
344	345	-1.063
345	346	-1.422
346	347	-0.021
347	348	1.005
348	349	-1.505
349	350	-0.071
350	351	-0.971
351	352	-1.463
352	353	-1.146
353	354	-0.805
354	355	-0.06
355	356	0.198
356	357	0.223
357	358	0.776
358	359	0.923
359	360	-0.194
360	361	-0.649
361	362	0.353
362	363	1.047
363	364	0.712
364	365	0.65
365	366	4.24
366	367	5.8
367	368	3.991
368	369	1.511
369	370	2.026
370	371	4.001
371	372	2.598
372	373	1.78
373	374	1.441
374	375	1.917
375	376	3.154

376	377	3.989
377	378	3.747
378	379	2.702
379	380	2.403
380	381	2.425
381	382	0.924
382	383	0.082
383	384	1.512
384	385	2.41
385	386	-0.436
386	387	-1.231
387	388	-0.106
388	389	-0.107
389	390	-1.162
390	391	-1.681
391	392	-2.02
392	393	-1.967
393	394	-1.114
394	395	-0.522
395	396	-1.414
396	397	-4.032
397	398	-3.336
398	399	-2.097
399	400	-2.22
400	401	-2.58
401	402	-3.32
402	403	-2.492
403	404	-3.333
404	405	-5.227
405	406	-5.123
406	407	-3.061
407	408	-2.459
408	409	-3.179
409	410	-5.61
410	411	-4.984
411	412	-5.455
412	413	-6.026
413	414	-6.181
414	415	-5.874
415	416	-6.322
416	417	-6.66
417	418	-6.246
418	419	-7.105
419	420	-7.161
420	421	-6.194
421	422	-6.383
422	423	-5.681
423	424	-5.956
424	425	-6.594
425	426	-5.981
426	427	-5.505
427	428	-5.221
428	429	-5.348
429	430	-5.266

430	431	-5.094
431	432	-5.262
432	433	-6.613
433	434	-6.929
434	435	-7.267
435	436	-7.797
436	437	-6.553
437	438	-2.918
438	439	-8.092
439	440	-9.531
440	441	-9.744
441	442	-8.959
442	443	-8.688
443	444	-9.051
444	445	-10.002
445	446	-10.549
446	447	-10.514
447	448	-9.666
448	449	-10.271
449	450	-11.247
450	451	-9.906
451	452	-9.763
452	453	-11.139
453	454	-10.103
454	455	-9.733
455	456	-10.971
456	457	-11.412
457	458	-12.791
458	459	-12.054
459	460	-12.038
460	461	-12.277
461	462	-12.131
462	463	-11.982
463	464	-12.159
464	465	-11.931
465	466	-11.899
466	467	-11.966
467	468	-11.987
468	469	-11.465
469	470	-7.1
470	471	-8.54
471	472	-13.67
472	473	-12.608
473	474	-10.37
474	475	-9.24
475	476	-10.681
476	477	-10.797
477	478	-9.26
478	479	-9.949
479	480	-9.507
480	481	-8.948
481	482	-9.474
482	483	-9.232
483	484	-8.061

484	485	-7.83
485	486	-7.767
486	487	-6.818
487	488	-6.668
488	489	-7.479
489	490	-7.571
490	491	-8.192
491	492	-8.216
492	493	-7.393
493	494	-7.257
494	495	-7.336
495	496	-7.458
496	497	-7.451
497	498	-7.423
498	499	-7.406
499	500	-7.417
500	501	-7.452
501	502	-7.457
502	503	-7.396
503	504	-7.34
504	505	-7.292
505	506	-7.261
506	507	-7.22
507	508	-7.173
508	509	-7.098
509	510	-7.111
510	511	-7.09
511	512	-6.983
512	513	-6.978
513	514	-7.021
514	515	-7.002
515	516	-6.933
516	517	-6.951
517	518	-6.935
518	519	-6.822
519	520	-6.855
520	521	-6.87
521	522	-6.867
522	523	-6.865
523	524	-6.838
524	525	-6.825
525	526	-6.792
526	527	-6.786
527	528	-6.783
528	529	-6.772
529	530	-5.25
530	531	-6.716
531	532	-6.682
532	533	-6.648
533	534	-6.618
534	535	-6.59
535	536	-6.551
536	537	-6.494
537	538	-6.452

538	539	-6.414
539	540	-6.341
540	541	-6.28
541	542	-6.249
542	543	-6.236
543	544	-6.252
544	545	-6.275
545	546	-6.305
546	547	-6.309
547	548	-6.285
548	549	-6.252
549	550	-6.225
550	551	-6.188
551	552	-6.143
552	553	-6.108
553	554	-6.094
554	555	-6.052
555	556	-6.008
556	557	-5.961
557	558	-5.892
558	559	-5.8
559	560	-5.696
560	561	-5.615
561	562	-5.614
562	563	-5.551
563	564	-5.487
564	565	-5.387
565	566	-5.345
566	567	-5.337
567	568	-5.248
568	569	-5.173
569	570	-5.097
570	571	-4.979
571	572	-4.805
572	573	-4.64
573	574	-4.574
574	575	-4.506
575	576	-4.428
576	577	-4.297
577	578	-4.125
578	579	-3.959
579	580	-3.742
580	581	-3.651
581	582	-3.71
582	583	-3.732
583	584	-3.438
584	585	-3.237
585	586	-3.118
586	587	-3.041
587	588	-2.981
588	589	-2.948
589	590	-2.929
590	591	-2.924
591	592	-2.889

592	593	-2.809
593	594	-2.663
594	595	-2.471
595	596	-2.276
596	597	-2.035
597	598	-1.683
598	599	-1.455
599	600	-1.064
600	601	-1.205
601	602	-1.149
602	603	-0.864
603	604	-1.098
604	605	-1.266
605	606	-1.052
606	607	-0.525
607	608	-0.581
608	609	-0.463
609	610	-0.325
610	611	-0.293
611	612	-0.231
612	613	-0.146
613	614	-0.146
614	615	-0.145
615	616	-0.101
616	617	-0.1
617	618	-0.093
618	619	-0.082
619	620	-0.075
620	621	-0.061
621	622	0.279
622	623	2.969
623	624	4.021
624	625	7.985
625	626	9.42
626	627	7.963
627	628	9.751
628	629	9.37
629	630	12.555
630	631	13.972
631	632	9.575
632	633	8.968
633	634	10.641
634	635	7.579
635	636	2.655
636	637	6.209
637	638	6.574
638	639	7.141
639	640	6.229
640	641	5.53
641	642	6.03
642	643	6.286
643	644	3.729
644	645	9.155
645	646	11.598

646	647	9.665
647	648	7.166
648	649	9.061
649	650	10.53
650	651	5.418
651	652	6.197
652	653	5.633
653	654	6.442
654	655	5.587
655	656	5.783
656	657	8.342
657	658	10.111
658	659	7.394
659	660	8.444
660	661	10.912
661	662	7.79
662	663	5.493
663	664	6.164
664	665	10.131
665	666	12.008
666	667	8.171
667	668	8.277
668	669	8.138
669	670	5.866
670	671	8.024
671	672	8.208
672	673	6.931
673	674	7.239
674	675	4.039
675	676	4.409
676	677	6.265
677	678	4.164
678	679	2.77
679	680	1.468
680	681	2.573
681	682	4.667
682	683	8.346
683	684	8.914
684	685	9.537
685	686	9.752
686	687	10.275
687	688	9.929
688	689	8.002
689	690	5.747
690	691	7.559
691	692	6.38
692	693	6.209
693	694	7.326
694	695	6.759
695	696	5.691
696	697	6.624
697	698	6.899
698	699	7.51
699	700	7.622

700	701	6.313
701	702	5.601
702	703	3.148
703	704	3.653
704	705	4.771
705	706	4.812
706	707	4.181
707	708	3.932
708	709	4.437
709	710	2.97
710	711	3.792
711	712	4.993
712	713	4.941
713	714	3.018
714	715	1.616
715	716	3.791
716	717	4.395
717	718	5.814
718	719	5.275
719	720	5.3
720	721	4.29
721	722	1.319
722	723	-1.254
723	724	0.285
724	725	-0.357
725	726	-0.03
726	727	-0.774
727	728	-0.268
728	729	-0.145
729	730	-0.108
730	731	-0.006
731	732	0.428
732	733	0.627
733	734	0.415
734	735	-0.129
735	736	-0.55
736	737	-0.165
737	738	-0.471
738	739	0.309
739	740	0.517
740	741	0.974
741	742	-0.37
742	743	-0.208
743	744	1.404
744	745	0.716
745	746	1.511
746	747	-0.137
747	748	-0.332
748	749	-0.89
749	750	-0.067
750	751	0.023
751	752	-0.095
752	753	-0.095
753	754	-0.747

754	755	-0.099
755	756	-0.486
756	757	-0.099
757	758	-1.317
758	759	-0.83
759	760	-0.631
760	761	-1.015
761	762	-1.887
762	763	-1.08
763	764	-0.21
764	765	-1.214
765	766	-2.049
766	767	-3.238
767	768	-2.614
768	769	-3.694
769	770	-2.108
770	771	-2.266
771	772	-1.88
772	773	-3.249
773	774	-2.426
774	775	-2.35
775	776	-2.328
776	777	-2.255
777	778	-2.016
778	779	-1.856
779	780	-1.7
780	781	-1.602
781	782	-1.554
782	783	-1.446
783	784	-1.403
784	785	-1.417
785	786	-1.439
786	787	-2.62
787	788	-2.62
788	789	-2.62
789	790	-2.51
790	791	-2.29
791	792	-2.29
792	793	-2.29
793	794	-2.29
794	795	-2.29
795	796	-2.29
796	797	-2.29
797	798	-2.29
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1520	1521	-5.536
1521	1522	-5.282
1522	1523	-5.228
1523	1524	-5.125
1524	1525	-5.409
1525	1526	-5.542
1526	1527	-5.7
1527	1528	-5.723
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1529	1530	-5.927
1530	1531	-5.973
1531	1532	-6.078
1532	1533	-6.214
1533	1534	-6.319
1534	1535	-6.328
1535	1536	-6.556
1536	1537	-6.661
1537	1538	-6.493
1538	1539	-6.287
1539	1540	-6.538
1540	1541	-5.927
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1542	1543	-6.87
1543	1544	-6.398
1544	1545	-6.113
1545	1546	-6.378
1546	1547	-6.3
1547	1548	-5.971
1548	1549	-5.546
1549	1550	-5.135
1550	1551	-4.626
1551	1552	-4.566
1552	1553	-4.996
1553	1554	-5.135
1554	1555	-5.047
1555	1556	-4.828
1556	1557	-5.077
1557	1558	-5.339
1558	1559	-5.343
1559	1560	-5.623
1560	1561	-5.859
1561	1562	-5.944
1562	1563	-6.054
1563	1564	-6.173

1564	1565	-6.14
1565	1566	-6.26
1566	1567	-6.46
1567	1568	-6.261
1568	1569	-6.35
1569	1570	-6.383
1570	1571	-6.134
1571	1572	-5.671
1572	1573	-5.6
1573	1574	-5.449
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1575	1576	-5.196
1576	1577	-5.008
1577	1578	-5.23
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1579	1580	-6.066
1580	1581	-6.109
1581	1582	-6.195
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1586	1587	-5.701
1587	1588	-5.888
1588	1589	-5.997
1589	1590	-5.959
1590	1591	-5.902
1591	1592	-5.764
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1598	1599	-5.59
1599	1600	-5.59
1600	1601	-5.59
1601	1602	-5.59
1602	1603	-5.59
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1605	1606	-5.85
1606	1607	-6.57
1607	1608	-6.668
1608	1609	-6.747
1609	1610	-6.822
1610	1611	-6.727
1611	1612	-6.839
1612	1613	-7.134
1613	1614	-7.172
1614	1615	-7.048
1615	1616	-6.876
1616	1617	-6.834
1617	1618	-6.768

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1619	1620	-7.081
1620	1621	-7.041
1621	1622	-7.197
1622	1623	-6.964
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1625	1626	-6.595
1626	1627	-6.155
1627	1628	-5.991
1628	1629	-5.963
1629	1630	-5.86
1630	1631	-5.635
1631	1632	-5.501
1632	1633	-5.545
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1638	1639	-5.137
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1644	1645	-5.283
1645	1646	-5.35
1646	1647	-5.436
1647	1648	-5.569
1648	1649	-5.595
1649	1650	-5.534
1650	1651	-5.427
1651	1652	-5.263
1652	1653	-5.104
1653	1654	-5.165
1654	1655	-5.279
1655	1656	-5.273
1656	1657	-5.255
1657	1658	-5.262
1658	1659	-5.186
1659	1660	-5.072
1660	1661	-5.124
1661	1662	-5.124
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1665	1666	-4.965
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1668	1669	-5.091
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1670	1671	-5.185
1671	1672	-5.208

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1673	1674	-5.105
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1676	1677	-4.573
1677	1678	-4.414
1678	1679	-4.259
1679	1680	-4.168
1680	1681	-4.156
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1682	1683	-4.025
1683	1684	-3.85
1684	1685	-3.332
1685	1686	-2.017
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1690	1691	-0.854
1691	1692	-0.876
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1693	1694	-0.151
1694	1695	-0.103
1695	1696	-0.107
1696	1697	-0.102
1697	1698	-0.079
1698	1699	-0.071
1699	1700	-0.071
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1701	1702	1.789
1702	1703	1.689
1703	1704	1.195
1704	1705	2.194
1705	1706	2.847
1706	1707	4.278
1707	1708	3.299
1708	1709	3.342
1709	1710	2.884
1710	1711	-3.03
1711	1712	-1.257
1712	1713	-3.549
1713	1714	0.207
1714	1715	1.793
1715	1716	2.946
1716	1717	3.095
1717	1718	3.377
1718	1719	4.548
1719	1720	7.32
1720	1721	7.167
1721	1722	9.543
1722	1723	10.892
1723	1724	11.286
1724	1725	11.364
1725	1726	11.053

1726	1727	12.464
1727	1728	10.644
1728	1729	8.663
1729	1730	12.434
1730	1731	13.097
1731	1732	13.136
1732	1733	7.025
1733	1734	7.207
1734	1735	3.133
1735	1736	5.957
1736	1737	10.105
1737	1738	7.241
1738	1739	1.15
1739	1740	4.314
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1742	1743	2.404
1743	1744	3.184
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1745	1746	4.505
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1747	1748	10.279
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1749	1750	9.626
1750	1751	11.856
1751	1752	3.359
1752	1753	6.517
1753	1754	8.054
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1755	1756	6.373
1756	1757	5.814
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1758	1759	8.203
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1760	1761	11.078
1761	1762	12.904
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1763	1764	9.81
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1765	1766	8.731
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1767	1768	3.513
1768	1769	2.706
1769	1770	7.591
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1773	1774	5.19
1774	1775	6.8
1775	1776	4.871
1776	1777	7.193
1777	1778	6.048
1778	1779	2.656
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1780	1781	2.995
1781	1782	8.139
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1784	1785	3.433
1785	1786	3.196
1786	1787	3.262
1787	1788	3.231
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1789	1790	6.022
1790	1791	6.22
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1792	1793	4.589
1793	1794	6.835
1794	1795	8.674
1795	1796	10.415
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1797	1798	7.785
1798	1799	8.489
1799	1800	7.562
1800	1801	6.199
1801	1802	5.664
1802	1803	5.768
1803	1804	5.932
1804	1805	4.625
1805	1806	6.019
1806	1807	3.025
1807	1808	3.385
1808	1809	4.714
1809	1810	5.338
1810	1811	7.786
1811	1812	6.087
1812	1813	-0.402
1813	1814	1.879
1814	1815	2.205
1815	1816	0.356
1816	1817	2.727
1817	1818	2.656
1818	1819	4.046
1819	1820	3.899
1820	1821	3.483
1821	1822	4.015
1822	1823	2.552
1823	1824	4.249
1824	1825	0.335
1825	1826	0.357
1826	1827	2.49
1827	1828	0.533
1828	1829	0.408
1829	1830	0.312
1830	1831	0.245
1831	1832	0.223
1832	1833	0.271
1833	1834	0.306

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1835	1836	-0.651
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1839	1840	-1.304
1840	1841	-0.253
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1843	1844	-1.829
1844	1845	0.699
1845	1846	0.046
1846	1847	-0.961
1847	1848	0.161
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1849	1850	-1.513
1850	1851	-0.243
1851	1852	1.082
1852	1853	0.518
1853	1854	0.3
1854	1855	-0.869
1855	1856	-0.731
1856	1857	-0.182
1857	1858	-1.086
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1859	1860	-0.131
1860	1861	-0.736
1861	1862	-1.792
1862	1863	-0.681
1863	1864	-1.959
1864	1865	-2.964
1865	1866	-3.334
1866	1867	-4.033
1867	1868	-4.253
1868	1869	-4.645
1869	1870	-4.12
1870	1871	-4.806
1871	1872	-3.908
1872	1873	-4.818
1873	1874	-7.954
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1881	1882	-9.194
1882	1883	-7.18
1883	1884	-9.687
1884	1885	-8.956
1885	1886	-6.897
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1893	1894	-5.067
1894	1895	-4.806
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1899	1900	-6.347
1900	1901	-6.901
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1903	1904	-5.872
1904	1905	-5.775
1905	1906	-5.807
1906	1907	-5.865
1907	1908	-6.245
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1909	1910	-6.188
1910	1911	-6.853
1911	1912	-7.772
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1914	1915	-5.992
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1921	1922	-7.025
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1926	1927	-10.337
1927	1928	-10.16
1928	1929	-9.555
1929	1930	-9.991
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1937	1938	-7.75
1938	1939	-8.502
1939	1940	-8.549
1940	1941	-9.03
1941	1942	-9.63

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1943	1944	-8.761
1944	1945	-8.119
1945	1946	-7.764
1946	1947	-7.528
1947	1948	-7.382
1948	1949	-7.524
1949	1950	-7.674
1950	1951	-7.784
1951	1952	-7.944
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1953	1954	-7.885
1954	1955	-7.535
1955	1956	-7.441
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1957	1958	-7.931
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1959	1960	-8.643
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1963	1964	-7.529
1964	1965	-7.224
1965	1966	-7.465
1966	1967	-7.316
1967	1968	-7.102
1968	1969	-7.018
1969	1970	-6.883
1970	1971	-6.825
1971	1972	-6.768
1972	1973	-6.762
1973	1974	-6.748
1974	1975	-6.671
1975	1976	-6.645
1976	1977	-6.652
1977	1978	-6.664
1978	1979	-6.687
1979	1980	-6.712
1980	1981	-6.658
1981	1982	-6.645
1982	1983	-6.563
1983	1984	-6.518
1984	1985	-6.5
1985	1986	-6.522
1986	1987	-6.492
1987	1988	-6.435
1988	1989	-6.375
1989	1990	-6.413
1990	1991	-6.451
1991	1992	-6.527
1992	1993	-6.643
1993	1994	-6.723
1994	1995	-6.736
1995	1996	-6.71

1996	1997	-6.729
1997	1998	-6.707
1998	1999	-6.584
1999	2000	-6.528
2000	2001	-6.479
2001	2002	-6.466
2002	2003	-6.506
2003	2004	-6.505
2004	2005	-6.33
2005	2006	-6.185
2006	2007	-6.272
2007	2008	-6.332
2008	2009	-6.338
2009	2010	-6.337
2010	2011	-6.213
2011	2012	-6.163
2012	2013	-6.133
2013	2014	-6.035
2014	2015	-6.061
2015	2016	-6.082
2016	2017	-6.124
2017	2018	-6.088
2018	2019	-5.93
2019	2020	-5.823
2020	2021	-5.823
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2022	2023	-5.99
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2037	2038	-4.925
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2039	2040	-4.786
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2043	2044	-3.95
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2045	2046	-3.356
2046	2047	-2.982
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2051	2052	-1.504
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2081	2082	4.108
2082	2083	5.716
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2088	2089	11.033
2089	2090	9.703
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2091	2092	10.525
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2099	2100	10.467
2100	2101	10.778
2101	2102	10.543
2102	2103	11.461
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2105	2106	5.417
2106	2107	6.057
2107	2108	9.076
2108	2109	10.889
2109	2110	11.069
2110	2111	8.715
2111	2112	8.566
2112	2113	8.706
2113	2114	12.15
2114	2115	11.763
2115	2116	10.24
2116	2117	11.778
2117	2118	12.451
2118	2119	13.251
2119	2120	9.386
2120	2121	8.954
2121	2122	8.598
2122	2123	12.153
2123	2124	12.647
2124	2125	8.578
2125	2126	9.152
2126	2127	7.131
2127	2128	7.911
2128	2129	10.24
2129	2130	9.808
2130	2131	7.385
2131	2132	7.872
2132	2133	1.864
2133	2134	3.049
2134	2135	3.868
2135	2136	3.839
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2137	2138	5.383
2138	2139	3.646
2139	2140	3.775
2140	2141	2.786
2141	2142	0.822
2142	2143	1.081
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2145	2146	4.333
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2147	2148	6.344
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2149	2150	4.714
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2151	2152	6.254
2152	2153	7.64
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2154	2155	4.929
2155	2156	4.492
2156	2157	2.715
2157	2158	2.057

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2159	2160	-0.292
2160	2161	3.715
2161	2162	8.123
2162	2163	8.527
2163	2164	9.27
2164	2165	11.568
2165	2166	11.952
2166	2167	11.06
2167	2168	10.288
2168	2169	8.921
2169	2170	9.06
2170	2171	9.159
2171	2172	7.521
2172	2173	6.903
2173	2174	6.016
2174	2175	4.464
2175	2176	4.036
2176	2177	5.954
2177	2178	3.769
2178	2179	3.976
2179	2180	3.199
2180	2181	5.435
2181	2182	6.45
2182	2183	8.035
2183	2184	7.967
2184	2185	6.218
2185	2186	3.656
2186	2187	3.159
2187	2188	3.939
2188	2189	4.806
2189	2190	3.65
2190	2191	4.185
2191	2192	5.17
2192	2193	4.601
2193	2194	4.357
2194	2195	0.385
2195	2196	-0.308
2196	2197	0.104
2197	2198	-1.623
2198	2199	0.538
2199	2200	1.018
2200	2201	0.795
2201	2202	1.208
2202	2203	1.354
2203	2204	1.367
2204	2205	0.394
2205	2206	-0.103
2206	2207	-0.286
2207	2208	-0.685
2208	2209	1.529
2209	2210	-0.378
2210	2211	-0.459
2211	2212	-0.321

2212	2213	-0.684
2213	2214	1.946
2214	2215	-0.401
2215	2216	-0.084
2216	2217	3.175
2217	2218	2.636
2218	2219	2.731
2219	2220	0.659
2220	2221	-0.014
2221	2222	1.208
2222	2223	-6.383
2223	2224	-11.423
2224	2225	-11.784
2225	2226	-7.617
2226	2227	-4.07
2227	2228	-0.225
2228	2229	-2.133
2229	2230	-3.282
2230	2231	-3.654
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2235	2236	-1.122
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2237	2238	-2.951
2238	2239	-2.093
2239	2240	-1.826
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2246	2247	-2.383
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2248	2249	-4.291
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2253	2254	-6.531
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2256	2257	-3.813
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2259	2260	-3.565
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2276	2277	-4.29
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2280	2281	-4.39
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2928	2929	0.178
2929	2930	-1.194
2930	2931	-0.273
2931	2932	-0.298
2932	2933	-0.434
2933	2934	1.492
2934	2935	2.737
2935	2936	2.16
2936	2937	1.707
2937	2938	0.196
2938	2939	-2.549
2939	2940	-2.131
2940	2941	-2.392
2941	2942	-2.325
2942	2943	-1.592
2943	2944	0.512
2944	2945	-0.152
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2981	2982	-1.28
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2986	2987	-1.449
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2989	2990	-1.482
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2992	2993	-1.635
2993	2994	-1.675
2994	2995	-1.759
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2999	3000	-1.737
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3005	3006	-1.673
3006	3007	-1.632
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3201	3202	7.4
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3550	3551	-0.044
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3568	3569	15.098
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3607	3608	4.991
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3613	3614	11.591
3614	3615	10.831
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3617	3618	11.178
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3619	3620	3.168
3620	3621	1.38
3621	3622	0.205
3622	3623	2.004
3623	3624	5.206
3624	3625	6.914
3625	3626	6.422
3626	3627	6.19
3627	3628	6.273
3628	3629	5.523
3629	3630	4.418
3630	3631	2.288
3631	3632	2.293
3632	3633	4.237
3633	3634	7.729
3634	3635	3.626
3635	3636	3.559
3636	3637	6.737
3637	3638	5.918
3638	3639	4.553
3639	3640	3.073
3640	3641	1.554
3641	3642	4.311
3642	3643	6.473
3643	3644	7.015
3644	3645	6.032
3645	3646	3.716
3646	3647	1.169
3647	3648	0.507
3648	3649	0.356
3649	3650	0.305
3650	3651	0.34
3651	3652	0.136
3652	3653	0.52
3653	3654	0.728
3654	3655	0.645
3655	3656	0.928
3656	3657	2.065
3657	3658	2.989
3658	3659	3.776
3659	3660	4.972
3660	3661	4.559
3661	3662	2.106
3662	3663	1.104
3663	3664	-0.187
3664	3665	0.252
3665	3666	0.348
3666	3667	-0.376
3667	3668	-2.077
3668	3669	-2.698
3669	3670	-1.861

3670	3671	-2.132
3671	3672	-3.521
3672	3673	-4.035
3673	3674	-3.934
3674	3675	-2.799
3675	3676	-2.44
3676	3677	-2.128
3677	3678	-3.178
3678	3679	-3.379
3679	3680	-2.241
3680	3681	-3.184
3681	3682	-3.264
3682	3683	-2.407
3683	3684	-1.938
3684	3685	-1.834
3685	3686	-1.797
3686	3687	-2.35
3687	3688	-2.692
3688	3689	-3.012
3689	3690	-2.92
3690	3691	-2.425
3691	3692	-2.199
3692	3693	-2.095
3693	3694	-2.046
3694	3695	-2.049
3695	3696	-2.05
3696	3697	-2.158
3697	3698	-2.189
3698	3699	-2.006
3699	3700	-1.856
3700	3701	-1.774
3701	3702	-1.748
3702	3703	-1.76
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3704	3705	-1.829
3705	3706	-1.866
3706	3707	-1.926
3707	3708	-1.99
3708	3709	-2.057
3709	3710	-2.121
3710	3711	-2.148
3711	3712	-2.189
3712	3713	-2.208
3713	3714	-2.232
3714	3715	-2.266
3715	3716	-2.272
3716	3717	-2.298
3717	3718	-2.308
3718	3719	-2.327
3719	3720	-2.409
3720	3721	-2.449
3721	3722	-2.369
3722	3723	-2.28
3723	3724	-2.283

3724	3725	-2.262
3725	3726	-2.257
3726	3727	-2.298
3727	3728	-2.343
3728	3729	-2.403
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3730	3731	-2.536
3731	3732	-2.591
3732	3733	-2.694
3733	3734	-2.755
3734	3735	-2.974
3735	3736	-3.135
3736	3737	-3.135
3737	3738	-2.9
3738	3739	-2.86
3739	3740	-2.878
3740	3741	-2.923
3741	3742	-2.97
3742	3743	-2.998
3743	3744	-3.029
3744	3745	-3.042
3745	3746	-2.95
3746	3747	-2.934
3747	3748	-2.953
3748	3749	-3.003
3749	3750	-3.057
3750	3751	-3.214
3751	3752	-3.251
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3753	3754	-3.176
3754	3755	-3.147
3755	3756	-3.187
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3763	3764	-2.921
3764	3765	-2.925
3765	3766	-2.962
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3767	3768	-3.054
3768	3769	-3.109
3769	3770	-3.155
3770	3771	-3.221
3771	3772	-3.272
3772	3773	-3.347
3773	3774	-3.436
3774	3775	-3.516
3775	3776	-3.614
3776	3777	-3.646
3777	3778	-3.779

3778	3779	-3.893
3779	3780	-3.87
3780	3781	-3.684
3781	3782	-3.578
3782	3783	-3.595
3783	3784	-3.723
3784	3785	-3.743
3785	3786	-3.783
3786	3787	-3.83
3787	3788	-3.696
3788	3789	-3.665
3789	3790	-3.696
3790	3791	-3.761
3791	3792	-3.805
3792	3793	-3.821
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3794	3795	-3.83
3795	3796	-3.844
3796	3797	-3.844
3797	3798	-3.838
3798	3799	-3.849
3799	3800	-3.878
3800	3801	-3.87
3801	3802	-3.858
3802	3803	-3.866
3803	3804	-3.867
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3805	3806	-3.872
3806	3807	-3.892
3807	3808	-3.899
3808	3809	-3.93
3809	3810	-3.939
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3811	3812	-3.928
3812	3813	-3.963
3813	3814	-4.015
3814	3815	-3.966
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3817	3818	-3.977
3818	3819	-3.948
3819	3820	-3.946
3820	3821	-3.892
3821	3822	-3.845
3822	3823	-3.793
3823	3824	-3.771
3824	3825	-3.766
3825	3826	-3.739
3826	3827	-3.677
3827	3828	-3.636
3828	3829	-3.616
3829	3830	-3.615
3830	3831	-3.61
3831	3832	-3.593

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3833	3834	-3.557
3834	3835	-3.492
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3836	3837	-3.376
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3850	3851	-1.326
3851	3852	-1.209
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3854	3855	-0.447
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3856	3857	-0.229
3857	3858	-0.176
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3866	3867	-0.036
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3869	3870	-0.024
3870	3871	-0.026
3871	3872	-0.02
3872	3873	-0.019
3873	3874	-0.017
3874	3875	-0.019
3875	3876	-0.024
3876	3877	-0.016
3877	3878	-0.008
3878	3879	-0.008
3879	3880	-0.014
3880	3881	-0.012
3881	3882	-0.014
3882	3883	-0.012
3883	3884	-0.005
3884	3885	0.214
3885	3886	0.356

3886	3887	1.518
3887	3888	2.804
3888	3889	3.329
3889	3890	3.712
3890	3891	1.247
3891	3892	0.456
3892	3893	1.671
3893	3894	4.353
3894	3895	3.467
3895	3896	2.256
3896	3897	3.529
3897	3898	4.788
3898	3899	4.687
3899	3900	3.297
3900	3901	2.499
3901	3902	1.932
3902	3903	2.851
3903	3904	2.318
3904	3905	2.755
3905	3906	2.999
3906	3907	3.61
3907	3908	4.847
3908	3909	4.732
3909	3910	7.032
3910	3911	7.13
3911	3912	5.955
3912	3913	4.601
3913	3914	2.952
3914	3915	5.543
3915	3916	9.404
3916	3917	7.732
3917	3918	5.531
3918	3919	5.382
3919	3920	5.018
3920	3921	10.565
3921	3922	14.25
3922	3923	14.148
3923	3924	12.936
3924	3925	8.462
3925	3926	6.073
3926	3927	4.306
3927	3928	6.405
3928	3929	9.647
3929	3930	9.681
3930	3931	10.552
3931	3932	8.513
3932	3933	6.994
3933	3934	9.205
3934	3935	10.013
3935	3936	9.903
3936	3937	11.751
3937	3938	9.453
3938	3939	6.553
3939	3940	6.175

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3941	3942	6.303
3942	3943	3.962
3943	3944	3.612
3944	3945	1.775
3945	3946	3.332
3946	3947	4.819
3947	3948	4.752
3948	3949	1.214
3949	3950	1.656
3950	3951	4.339
3951	3952	4.704
3952	3953	4.359
3953	3954	4.885
3954	3955	6.155
3955	3956	6.535
3956	3957	9.123
3957	3958	11.067
3958	3959	10.423
3959	3960	9.528
3960	3961	9.973
3961	3962	8.311
3962	3963	7.58
3963	3964	6.301
3964	3965	3.383
3965	3966	4.248
3966	3967	8.779
3967	3968	10.779
3968	3969	11.093
3969	3970	10.896
3970	3971	8.342
3971	3972	9.305
3972	3973	11.413
3973	3974	12.578
3974	3975	12.073
3975	3976	12.456
3976	3977	14.681
3977	3978	15.356
3978	3979	12.881
3979	3980	12.12
3980	3981	10.48
3981	3982	9.56
3982	3983	4.01
3983	3984	4.71
3984	3985	5.79
3985	3986	5.89
3986	3987	6.03
3987	3988	7.02
3988	3989	8.71
3989	3990	8.95
3990	3991	7.14
3991	3992	5.18
3992	3993	3.62
3993	3994	4.29

3994	3995	5.8
3995	3996	7.05
3996	3997	7.78
3997	3998	8.19
3998	3999	6
3999	4000	4.98
4000	4001	5.85
4001	4002	4.84
4002	4003	5.25
4003	4004	8.155
4004	4005	3.194
4005	4006	0.031
4006	4007	0.785
4007	4008	3.252
4008	4009	4.473
4009	4010	4.254
4010	4011	4.17
4011	4012	4.024
4012	4013	5.244
4013	4014	6.394
4014	4015	6.818
4015	4016	6.258
4016	4017	7.028
4017	4018	7.4
4018	4019	8.078
4019	4020	7.473
4020	4021	7.188
4021	4022	6.883
4022	4023	5.449
4023	4024	-0.787
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4025	4026	-0.901
4026	4027	0.61
4027	4028	2.141
4028	4029	2.968
4029	4030	0.383
4030	4031	-1.452
4031	4032	-1.365
4032	4033	-0.456
4033	4034	-0.507
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4035	4036	-1.729
4036	4037	-2.441
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4038	4039	-4.829
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4047	4048	-3.671

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4059	4060	-3.08
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4064	4065	-5.56
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4066	4067	-6.072
4067	4068	-5.517
4068	4069	-5.846
4069	4070	-5.965
4070	4071	-5.814
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4083	4084	-7.858
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4086	4087	-5.79
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4088	4089	-6.137
4089	4090	-5.689
4090	4091	-5.939
4091	4092	-5.505
4092	4093	-5.658
4093	4094	-5.594
4094	4095	-5.991
4095	4096	-6.485
4096	4097	-6.771
4097	4098	-6.893
4098	4099	-5.65
4099	4100	-5.369
4100	4101	-4.871
4101	4102	-4.868

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4104	4105	-5.345
4105	4106	-5.483
4106	4107	-5.475
4107	4108	-5.303
4108	4109	-5.262
4109	4110	-4.872
4110	4111	-4.932
4111	4112	-4.661
4112	4113	-4.621
4113	4114	-4.479
4114	4115	-4.335
4115	4116	-4.255
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4117	4118	-4.068
4118	4119	-4.159
4119	4120	-4.45
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4124	4125	-5.531
4125	4126	-6.075
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4127	4128	-6.238
4128	4129	-5.256
4129	4130	-4.995
4130	4131	-4.9
4131	4132	-4.964
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4147	4148	-6.145
4148	4149	-6.267
4149	4150	-5.729
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4152	4153	-6.585
4153	4154	-6.646
4154	4155	-6.9
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4158	4159	-7.384
4159	4160	-6.474
4160	4161	-6.612
4161	4162	-7.059
4162	4163	-6.763
4163	4164	-6.07
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4167	4168	-5.924
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4169	4170	-5.228
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4175	4176	-4.873
4176	4177	-4.858
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4179	4180	-4.827
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4192	4193	-4.864
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4195	4196	-4.883
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4202	4203	-4.797
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4211	4212	-4.257
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4214	4215	-4.153
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4225	4226	-3.779
4226	4227	-3.837
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4245	4246	-3.23
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4248	4249	-2.792
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4251	4252	-2.296
4252	4253	-2.235
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4254	4255	-1.71
4255	4256	-1.438
4256	4257	-1.178
4257	4258	-0.985
4258	4259	-0.871
4259	4260	-0.634
4260	4261	-0.376
4261	4262	-0.221
4262	4263	-0.093
4263	4264	0.262

4264	4265	0.108
4265	4266	0.071
4266	4267	0.731
4267	4268	2.641
4268	4269	3.722
4269	4270	2.987
4270	4271	1.178
4271	4272	1.497
4272	4273	0.283
4273	4274	0.896
4274	4275	0.674
4275	4276	4.737
4276	4277	6.715
4277	4278	8.193
4278	4279	7.834
4279	4280	9.334
4280	4281	8.622
4281	4282	8.856
4282	4283	8.834
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4284	4285	8.673
4285	4286	8.604
4286	4287	6.162
4287	4288	9.878
4288	4289	11.976
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4292	4293	9.316
4293	4294	8.577
4294	4295	8.673
4295	4296	9.914
4296	4297	6.904
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4298	4299	8.593
4299	4300	9.226
4300	4301	8.054
4301	4302	6.833
4302	4303	7.464
4303	4304	7.561
4304	4305	6.715
4305	4306	4.869
4306	4307	4.794
4307	4308	7.491
4308	4309	10.615
4309	4310	11.536
4310	4311	10.212
4311	4312	5.743
4312	4313	3.221
4313	4314	5.951
4314	4315	10.335
4315	4316	8.059
4316	4317	11.678
4317	4318	13.468

4318	4319	11.234
4319	4320	9.744
4320	4321	9.628
4321	4322	9.322
4322	4323	10.017
4323	4324	11.355
4324	4325	10.526
4325	4326	10.305
4326	4327	9.262
4327	4328	8.012
4328	4329	8.97
4329	4330	11.188
4330	4331	11.654
4331	4332	9.534
4332	4333	9.151
4333	4334	8.947
4334	4335	8.98
4335	4336	9.764
4336	4337	11.171
4337	4338	10.99
4338	4339	12.904
4339	4340	15.59
4340	4341	16.485
4341	4342	15.628
4342	4343	14.436
4343	4344	14.196
4344	4345	11.264
4345	4346	11.194
4346	4347	9.644
4347	4348	5.493
4348	4349	6.855
4349	4350	9.581
4350	4351	9.993
4351	4352	7.088
4352	4353	1.819
4353	4354	0.672
4354	4355	2.952
4355	4356	4.691
4356	4357	6.248
4357	4358	6.411
4358	4359	6.988
4359	4360	8.898
4360	4361	9.852
4361	4362	9.4
4362	4363	7.871
4363	4364	6.629
4364	4365	2.955
4365	4366	-2.62
4366	4367	1.711
4367	4368	5.986
4368	4369	7.22
4369	4370	8.828
4370	4371	7.84
4371	4372	3.513

4372	4373	1.476
4373	4374	4.562
4374	4375	6.852
4375	4376	4.721
4376	4377	4.48
4377	4378	2.085
4378	4379	2.788
4379	4380	3.502
4380	4381	2.685
4381	4382	3.847
4382	4383	4.062
4383	4384	3.069
4384	4385	3.721
4385	4386	2.085
4386	4387	1.743
4387	4388	2.436
4388	4389	2.88
4389	4390	3.96
4390	4391	1.85
4391	4392	2.17
4392	4393	1.92
4393	4394	0.8
4394	4395	0.43
4395	4396	-1.44
4396	4397	-1.44
4397	4398	-1.01
4398	4399	-0.52
4399	4400	-0.54
4400	4401	-0.26
4401	4402	-0.06
4402	4403	0.53
4403	4404	2.07
4404	4405	3.59
4405	4406	2.59
4406	4407	1.46
4407	4408	0.82
4408	4409	-0.03
4409	4410	-1.26
4410	4411	-1
4411	4412	-0.7
4412	4413	-0.7
4413	4414	-1.822
4414	4415	-0.734
4415	4416	-1.274
4416	4417	-1.091
4417	4418	-0.467
4418	4419	-0.222
4419	4420	-1.345
4420	4421	-1.869
4421	4422	-1.673
4422	4423	-1.189
4423	4424	-0.706
4424	4425	-0.309
4425	4426	-0.306

4426	4427	-0.35
4427	4428	-0.423
4428	4429	-0.449
4429	4430	-0.536
4430	4431	-0.697
4431	4432	-0.714
4432	4433	-0.707
4433	4434	-0.821
4434	4435	-0.799
4435	4436	-0.865
4436	4437	-0.762
4437	4438	-0.92
4438	4439	-1.003
4439	4440	-0.849
4440	4441	-0.682
4441	4442	-0.647
4442	4443	-0.636
4443	4444	-0.645
4444	4445	-0.679
4445	4446	-0.712
4446	4447	-0.721
4447	4448	-0.722
4448	4449	-0.757
4449	4450	-0.835
4450	4451	-0.898
4451	4452	-0.951
4452	4453	-0.958
4453	4454	-0.934
4454	4455	-0.946
4455	4456	-0.992
4456	4457	-1.08
4457	4458	-1.182
4458	4459	-1.184
4459	4460	-1.185
4460	4461	-1.22
4461	4462	-1.257
4462	4463	-1.297
4463	4464	-1.345
4464	4465	-1.403
4465	4466	-1.438
4466	4467	-1.353
4467	4468	-1.262
4468	4469	-1.27
4469	4470	-1.265
4470	4471	-1.244
4471	4472	-1.212
4472	4473	-1.205
4473	4474	-1.228
4474	4475	-1.244
4475	4476	-1.309
4476	4477	-1.389
4477	4478	-1.416
4478	4479	-1.405
4479	4480	-1.367

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4481	4482	-1.197
4482	4483	-2.23
4483	4484	-2.23
4484	4485	-2.23
4485	4486	-2.23
4486	4487	-2.23
4487	4488	-2.23
4488	4489	-2.23
4489	4490	-2.23
4490	4491	-2.23
4491	4492	-1.716
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4493	4494	-1.894
4494	4495	-1.93
4495	4496	-1.985
4496	4497	-2.009
4497	4498	-3
4498	4499	-3.26
4499	4500	-3.26
4500	4501	-3.26
4501	4502	-2.14
4502	4503	-2.137
4503	4504	-2.104
4504	4505	-1.988
4505	4506	-1.912
4506	4507	-1.886
4507	4508	-1.878
4508	4509	-1.905
4509	4510	-1.929
4510	4511	-1.948
4511	4512	-2.005
4512	4513	-2.127
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4514	4515	-2.437
4515	4516	-2.603
4516	4517	-2.785
4517	4518	-2.966
4518	4519	-3.058
4519	4520	-3.08
4520	4521	-3.195
4521	4522	-3.339
4522	4523	-3.431
4523	4524	-3.494
4524	4525	-3.537
4525	4526	-3.566
4526	4527	-3.627
4527	4528	-3.742
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4530	4531	-3.99
4531	4532	-4.038
4532	4533	-4.087
4533	4534	-4.088

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4537	4538	-4.03
4538	4539	-3.942
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4549	4550	-3.712
4550	4551	-3.754
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4553	4554	-3.922
4554	4555	-3.943
4555	4556	-3.923
4556	4557	-3.9
4557	4558	-3.881
4558	4559	-3.86
4559	4560	-3.827
4560	4561	-3.797
4561	4562	-3.783
4562	4563	-3.764
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4564	4565	-3.732
4565	4566	-3.744
4566	4567	-3.743
4567	4568	-3.741
4568	4569	-3.737
4569	4570	-3.735
4570	4571	-3.735
4571	4572	-3.726
4572	4573	-3.723
4573	4574	-3.724
4574	4575	-3.718
4575	4576	-3.675
4576	4577	-3.625
4577	4578	-3.601
4578	4579	-3.514
4579	4580	-3.388
4580	4581	-3.296
4581	4582	-3.224
4582	4583	-3.138
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4584	4585	-3.011
4585	4586	-2.942
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4587	4588	-2.806

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4589	4590	-2.658
4590	4591	-2.538
4591	4592	-2.458
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4593	4594	-2.295
4594	4595	-2.177
4595	4596	-1.831
4596	4597	-1.438
4597	4598	-1.227
4598	4599	-1.095
4599	4600	-0.807
4600	4601	-0.505
4601	4602	-0.27
4602	4603	-0.15
4603	4604	-0.099
4604	4605	-0.066
4605	4606	-0.055
4606	4607	-0.058
4607	4608	-0.055
4608	4609	-0.038
4609	4610	-0.028
4610	4611	-0.025
4611	4612	-0.024
4612	4613	-0.026
4613	4614	-0.026
4614	4615	-0.029
4615	4616	-0.027
4616	4617	-0.027
4617	4618	-0.028
4618	4619	-0.031
4619	4620	-0.032
4620	4621	-0.031
4621	4622	-0.028
4622	4623	-0.026
4623	4624	-0.025
4624	4625	-0.027
4625	4626	-0.028
4626	4627	-0.027
4627	4628	-0.025
4628	4629	-0.025
4629	4630	-0.023
4630	4631	-0.022
4631	4632	-0.02
4632	4633	-0.02
4633	4634	-0.02
4634	4635	-0.021
4635	4636	-0.018
4636	4637	-0.017
4637	4638	-0.015
4638	4639	-0.013
4639	4640	-0.012
4640	4641	-0.01
4641	4642	-0.008

4642	4643	-0.007
4643	4644	-0.005
4644	4645	0.01
4645	4646	0.822
4646	4647	3.158
4647	4648	3.43
4648	4649	3.317
4649	4650	0.195
4650	4651	0.232
4651	4652	-0.213
4652	4653	-0.584
4653	4654	-0.398
4654	4655	0.074
4655	4656	2.279
4656	4657	3.888
4657	4658	5.787
4658	4659	4.094
4659	4660	5.904
4660	4661	8.378
4661	4662	9.422
4662	4663	8.488
4663	4664	6.964
4664	4665	6.438
4665	4666	7.747
4666	4667	9.905
4667	4668	9.957
4668	4669	10.615
4669	4670	10.316
4670	4671	11.048
4671	4672	11.652
4672	4673	9.611
4673	4674	8.571
4674	4675	8.425
4675	4676	9.766
4676	4677	10.231
4677	4678	10.72
4678	4679	10.967
4679	4680	10.612
4680	4681	11.681
4681	4682	13.924
4682	4683	14.617
4683	4684	14.773
4684	4685	8.091
4685	4686	7.086
4686	4687	11.2
4687	4688	13.24
4688	4689	14.581
4689	4690	16.229
4690	4691	15.355
4691	4692	15.57
4692	4693	14.559
4693	4694	11.851
4694	4695	7.951
4695	4696	6.572

4696	4697	6.825
4697	4698	9.022
4698	4699	10.154
4699	4700	10.807
4700	4701	8.988
4701	4702	8.723
4702	4703	10.525
4703	4704	9.791
4704	4705	10.297
4705	4706	8.225
4706	4707	4.83
4707	4708	8.152
4708	4709	10.49
4709	4710	8.449
4710	4711	7.01
4711	4712	3.244
4712	4713	3.156
4713	4714	3.017
4714	4715	3.746
4715	4716	5.893
4716	4717	7.644
4717	4718	7.66
4718	4719	7.23
4719	4720	5.668
4720	4721	10.255
4721	4722	11.793
4722	4723	11.947
4723	4724	9.969
4724	4725	8.503
4725	4726	6.753
4726	4727	5.46
4727	4728	3.166
4728	4729	0.962
4729	4730	0.802
4730	4731	0.537
4731	4732	4.618
4732	4733	3.386
4733	4734	2.69
4734	4735	-0.543
4735	4736	3.159
4736	4737	3.607
4737	4738	5.739
4738	4739	5.605
4739	4740	6.03
4740	4741	8.301
4741	4742	9.781
4742	4743	8.612
4743	4744	6.991
4744	4745	6.715
4745	4746	8.348
4746	4747	5.069
4747	4748	3.154
4748	4749	3.44
4749	4750	4.467

4750	4751	5.132
4751	4752	7.854
4752	4753	5.689
4753	4754	3.194
4754	4755	3.806
4755	4756	3.175
4756	4757	2.643
4757	4758	0.192
4758	4759	-1.304
4759	4760	-0.689
4760	4761	-0.211
4761	4762	0.148
4762	4763	0.064
4763	4764	-0.414
4764	4765	-0.629
4765	4766	-0.601
4766	4767	0.236
4767	4768	0.659
4768	4769	0.458
4769	4770	2.504
4770	4771	2.332
4771	4772	0.718
4772	4773	-0.102
4773	4774	3.024
4774	4775	2.92
4775	4776	1.223
4776	4777	1.153
4777	4778	-0.203
4778	4779	0.302
4779	4780	-0.133
4780	4781	-0.052
4781	4782	-0.257
4782	4783	-0.641
4783	4784	-0.452
4784	4785	-0.748
4785	4786	-0.243
4786	4787	-0.246
4787	4788	-0.125
4788	4789	-1.236
4789	4790	-2.886
4790	4791	-3.145
4791	4792	-1.965
4792	4793	-1.159
4793	4794	-1.206
4794	4795	-1.749
4795	4796	-2.174
4796	4797	-1.529
4797	4798	-0.964
4798	4799	-0.659
4799	4800	-0.668
4800	4801	-0.856
4801	4802	-1.159
4802	4803	-1.139
4803	4804	-1.361

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4805	4806	-3.478
4806	4807	-3.483
4807	4808	-3.546
4808	4809	-2.832
4809	4810	-3.313
4810	4811	-3.668
4811	4812	-3.122
4812	4813	-2.922
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4814	4815	-2.352
4815	4816	-2.894
4816	4817	-3.602
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4818	4819	-2.908
4819	4820	-2.728
4820	4821	-3.266
4821	4822	-4.423
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4823	4824	-3.158
4824	4825	-2.327
4825	4826	-3.063
4826	4827	-3.062
4827	4828	-2.628
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4833	4834	-1.26
4834	4835	-1.241
4835	4836	-1.164
4836	4837	-1.15
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4842	4843	-1.512
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4844	4845	-1.547
4845	4846	-1.612
4846	4847	-1.483
4847	4848	-1.359
4848	4849	-1.308
4849	4850	-1.334
4850	4851	-1.343
4851	4852	-1.323
4852	4853	-1.282
4853	4854	-1.241
4854	4855	-1.274
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4907	4908	-2.976
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4909	4910	-2.913
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4923	4924	-2.579
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4951	4952	-2.34
4952	4953	-2.33
4953	4954	-2.314
4954	4955	-2.306
4955	4956	-2.294
4956	4957	-2.289
4957	4958	-2.257
4958	4959	-2.22
4959	4960	-2.176
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4991	4992	-0.029
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4996	4997	-0.007
4997	4998	-0.002
4998	4999	0
4999	5000	0.007
5000	5001	0.007
5001	5002	0.006
5002	5003	0.006
5003	5004	0.005
5004	5005	0.005
5005	5006	0.015
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5014	5015	5.044
5015	5016	4.556
5016	5017	4.614
5017	5018	3.77
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6346	6347	-4.56317
6347	6348	-4.66142
6348	6349	-4.578
6349	6350	-4.37267
6350	6351	-4.31467
6351	6352	-4.30983
6352	6353	-4.31942
6353	6354	-4.44033
6354	6355	-4.52783
6355	6356	-4.69667
6356	6357	-4.57533
6357	6358	-4.4415
6358	6359	-4.5
6359	6360	-4.62017
6360	6361	-4.83567
6361	6362	-5.06825
6362	6363	-5.057
6363	6364	-5.03983
6364	6365	-5.008
6365	6366	-4.9945
6366	6367	-4.92742
6367	6368	-4.86917
6368	6369	-4.93375
6369	6370	-4.93542

6370	6371	-4.96542
6371	6372	-4.88642
6372	6373	-4.83008
6373	6374	-4.76083
6374	6375	-4.715
6375	6376	-4.71883
6376	6377	-4.65175
6377	6378	-4.602
6378	6379	-4.5575
6379	6380	-4.509
6380	6381	-4.46575
6381	6382	-4.5125
6382	6383	-4.52492
6383	6384	-4.53133
6384	6385	-4.55925
6385	6386	-4.57667
6386	6387	-4.57017
6387	6388	-4.63542
6388	6389	-4.62217
6389	6390	-4.59825
6390	6391	-4.54408
6391	6392	-4.51133
6392	6393	-4.53142
6393	6394	-4.529
6394	6395	-4.52067
6395	6396	-4.49633
6396	6397	-4.48083
6397	6398	-4.46233
6398	6399	-4.43208
6399	6400	-4.40592
6400	6401	-4.37267
6401	6402	-4.32992
6402	6403	-4.31725
6403	6404	-4.28258
6404	6405	-4.279
6405	6406	-4.27233
6406	6407	-4.25542
6407	6408	-4.24675
6408	6409	-4.23967
6409	6410	-4.23308
6410	6411	-4.22117
6411	6412	-4.19983
6412	6413	-4.16183
6413	6414	-4.10383
6414	6415	-4.02558
6415	6416	-3.9305
6416	6417	-3.81942
6417	6418	-3.69608
6418	6419	-3.55992
6419	6420	-3.36517
6420	6421	-3.15267
6421	6422	-2.9725
6422	6423	-2.83292
6423	6424	-2.71792

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6425	6426	-2.46292
6426	6427	-2.25642
6427	6428	-2.02242
6428	6429	-1.79867
6429	6430	-1.59042
6430	6431	-1.41542
6431	6432	-1.2395
6432	6433	-1.051
6433	6434	-0.75783
6434	6435	-0.7085
6435	6436	-0.63342
6436	6437	-0.57683
6437	6438	-0.51733
6438	6439	-0.46417
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6440	6441	-0.37267
6441	6442	-0.32292
6442	6443	-0.25967
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6445	6446	-0.07292
6446	6447	-0.03833
6447	6448	-0.003
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6449	6450	0.20708
6450	6451	0.68567
6451	6452	1.4105
6452	6453	1.91858
6453	6454	2.4955
6454	6455	2.91958
6455	6456	3.2625
6456	6457	3.46025
6457	6458	3.90192
6458	6459	4.84442
6459	6460	4.99842
6460	6461	5.2255
6461	6462	5.80375
6462	6463	6.489
6463	6464	6.01475
6464	6465	5.29683
6465	6466	4.40683
6466	6467	4.73967
6467	6468	5.63525
6468	6469	6.45008
6469	6470	6.85583
6470	6471	6.543
6471	6472	7.76033
6472	6473	8.52867
6473	6474	8.34446
6474	6475	6.44129
6475	6476	5.72996
6476	6477	5.01646
6477	6478	4.6495

6478	6479	5.13121
6479	6480	4.85504
6480	6481	4.80063
6481	6482	6.42258
6482	6483	8.51875
6483	6484	10.12292
6484	6485	10.04542
6485	6486	9.11875
6486	6487	8.38667
6487	6488	7.66863
6488	6489	6.9625
6489	6490	6.85713
6490	6491	7.5695
6491	6492	7.74521
6492	6493	7.31254
6493	6494	7.66342
6494	6495	7.83117
6495	6496	8.32417
6496	6497	8.47
6497	6498	8.20871
6498	6499	7.84642
6499	6500	7.4285
6500	6501	8.25604
6501	6502	9.23958
6502	6503	8.78792
6503	6504	7.81067
6504	6505	7.38983
6505	6506	7.35692
6506	6507	8.16471
6507	6508	8.42708
6508	6509	8.87042
6509	6510	9.73125
6510	6511	9.09458
6511	6512	9.94458
6512	6513	10.33708
6513	6514	10.76583
6514	6515	10.71875
6515	6516	10.68875
6516	6517	11.01417
6517	6518	11.03792
6518	6519	11.25208
6519	6520	10.80375
6520	6521	10.54125
6521	6522	10.18333
6522	6523	9.78417
6523	6524	9.32458
6524	6525	9.21583
6525	6526	8.68042
6526	6527	8.05975
6527	6528	7.65583
6528	6529	7.68013
6529	6530	8.21875
6530	6531	8.30125
6531	6532	8.2375

6532	6533	8.36833
6533	6534	8.29708
6534	6535	8.45792
6535	6536	8.54667
6536	6537	8.165
6537	6538	7.45933
6538	6539	6.04179
6539	6540	5.581
6540	6541	6.13883
6541	6542	7.26492
6542	6543	7.96513
6543	6544	7.21579
6544	6545	5.64438
6545	6546	4.72938
6546	6547	4.49038
6547	6548	4.35267
6548	6549	4.73621
6549	6550	5.24521
6550	6551	5.35813
6551	6552	5.119
6552	6553	5.40963
6553	6554	6.14496
6554	6555	6.29146
6555	6556	6.69104
6556	6557	7.49092
6557	6558	7.26717
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6559	6560	6.72104
6560	6561	6.41667
6561	6562	6.58654
6562	6563	6.44833
6563	6564	6.44617
6564	6565	6.53992
6565	6566	6.64071
6566	6567	6.97871
6567	6568	6.28667
6568	6569	4.80871
6569	6570	4.22804
6570	6571	4.14854
6571	6572	4.34375
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6573	6574	4.09567

SBE_BH0_15yrs_2001-16_gapfilled

0	1	2.185
1	2	1.577
2	3	0.666
3	4	0.776
4	5	1.293
5	6	3.852
6	7	0.918
7	8	-0.64
8	9	-0.246
9	10	0.748
10	11	-0.183
11	12	-0.603
12	13	-0.184
13	14	-0.02
14	15	0.246
15	16	1.79
16	17	-0.865
17	18	-0.395
18	19	-0.759
19	20	0.86
20	21	0.71
21	22	1.201
22	23	1.257
23	24	0.745
24	25	0.471
25	26	1.116
26	27	-0.697
27	28	-1.521
28	29	0.163
29	30	0.276
30	31	-0.825
31	32	-0.46
32	33	-1.045
33	34	-1.747
34	35	-1.101
35	36	-0.657
36	37	-0.614
37	38	-0.667
38	39	-0.679
39	40	-0.684
40	41	-0.718
41	42	-0.748
42	43	-0.966
43	44	-1.184
44	45	-1.224
45	46	-1.059
46	47	-0.843
47	48	-0.884
48	49	-0.707
49	50	-0.737
50	51	-0.804
51	52	-0.784

52	53	-0.75
53	54	-0.79
54	55	-0.824
55	56	-0.755
56	57	-0.752
57	58	-0.758
58	59	-0.761
59	60	-0.926
60	61	-0.975
61	62	-0.99
62	63	-0.979
63	64	-0.924
64	65	-0.905
65	66	-0.909
66	67	-1.023
67	68	-1.012
68	69	-0.988
69	70	-1.064
70	71	-1.031
71	72	-1.016
72	73	-1.084
73	74	-1.118
74	75	-1.103
75	76	-1.026
76	77	-0.961
77	78	-0.889
78	79	-0.907
79	80	-0.96
80	81	-1.098
81	82	-1.266
82	83	-1.279
83	84	-1.298
84	85	-1.443
85	86	-1.556
86	87	-1.621
87	88	-1.645
88	89	-1.671
89	90	-1.716
90	91	-1.743
91	92	-1.744
92	93	-1.815
93	94	-2.194
94	95	-2.244
95	96	-2.135
96	97	-2.122
97	98	-2.256
98	99	-2.46
99	100	-2.386
100	101	-2.123
101	102	-2.093
102	103	-2.066
103	104	-2.16
104	105	-2.162
105	106	-2.033

106	107	-1.983
107	108	-1.946
108	109	-1.915
109	110	-1.929
110	111	-1.876
111	112	-1.899
112	113	-1.911
113	114	-1.932
114	115	-2.058
115	116	-2.051
116	117	-2.159
117	118	-2.124
118	119	-2.008
119	120	-2
120	121	-1.981
121	122	-1.998
122	123	-1.938
123	124	-1.94
124	125	-1.92
125	126	-1.934
126	127	-2.021
127	128	-2.125
128	129	-2.1
129	130	-2.172
130	131	-2.177
131	132	-2.103
132	133	-2.054
133	134	-2.04
134	135	-2.159
135	136	-2.244
136	137	-2.197
137	138	-2.121
138	139	-2.163
139	140	-2.147
140	141	-2.003
141	142	-1.971
142	143	-1.956
143	144	-1.929
144	145	-1.944
145	146	-1.944
146	147	-1.948
147	148	-1.817
148	149	-1.792
149	150	-1.81
150	151	-1.841
151	152	-1.878
152	153	-1.967
153	154	-2.076
154	155	-2.343
155	156	-2.453
156	157	-2.487
157	158	-2.543
158	159	-2.666
159	160	-2.609

160	161	-2.475
161	162	-2.479
162	163	-2.52
163	164	-2.547
164	165	-2.386
165	166	-2.364
166	167	-2.345
167	168	-2.347
168	169	-2.276
169	170	-2.225
170	171	-2.198
171	172	-2.153
172	173	-2.186
173	174	-2.159
174	175	-2.118
175	176	-2.092
176	177	-2.03
177	178	-1.953
178	179	-1.881
179	180	-1.851
180	181	-1.814
181	182	-1.769
182	183	-1.766
183	184	-1.804
184	185	-1.823
185	186	-1.805
186	187	-1.741
187	188	-1.674
188	189	-1.681
189	190	-1.651
190	191	-1.608
191	192	-1.579
192	193	-1.578
193	194	-1.547
194	195	-1.519
195	196	-1.498
196	197	-1.486
197	198	-1.495
198	199	-1.493
199	200	-1.483
200	201	-1.488
201	202	-1.487
202	203	-1.481
203	204	-1.492
204	205	-1.499
205	206	-1.513
206	207	-1.538
207	208	-1.563
208	209	-1.53
209	210	-1.534
210	211	-1.549
211	212	-1.56
212	213	-1.55
213	214	-1.538

214	215	-1.517
215	216	-1.483
216	217	-1.474
217	218	-1.452
218	219	-1.442
219	220	-1.42
220	221	-1.391
221	222	-1.354
222	223	-1.316
223	224	-1.27
224	225	-1.229
225	226	-1.191
226	227	-1.146
227	228	-1.086
228	229	-1.025
229	230	-0.953
230	231	-0.834
231	232	-0.699
232	233	-0.486
233	234	-0.217
234	235	-0.151
235	236	-0.045
236	237	-0.022
237	238	-0.013
238	239	-0.009
239	240	-0.009
240	241	-0.008
241	242	-0.005
242	243	-0.001
243	244	0.001
244	245	0.002
245	246	0.002
246	247	0.002
247	248	0.001
248	249	0.002
249	250	0.002
250	251	0.002
251	252	0.002
252	253	0.002
253	254	0.002
254	255	0.002
255	256	0.002
256	257	0.002
257	258	0.002
258	259	0.002
259	260	0.002
260	261	0.002
261	262	0.002
262	263	0.002
263	264	0.002
264	265	0.002
265	266	0.002
266	267	0.001
267	268	0.002

268	269	0.004
269	270	0.36
270	271	2.676
271	272	1.959
272	273	6.169
273	274	6.679
274	275	4.864
275	276	7.36
276	277	3.56
277	278	3.19
278	279	3.39
279	280	4.19
280	281	7.03
281	282	5.867
282	283	8.12
283	284	9.06
284	285	8.52
285	286	9.77
286	287	9.21
287	288	9.16
288	289	6.334
289	290	5.967
290	291	7.15
291	292	4.708
292	293	4.411
293	294	1.399
294	295	5.263
295	296	11.42
296	297	9.62
297	298	7.08
298	299	7.98
299	300	11.94
300	301	10.83
301	302	9.82
302	303	9.84
303	304	14.18
304	305	16.19
305	306	16.26
306	307	13.92
307	308	11.4
308	309	10.37
309	310	8.36
310	311	9.91
311	312	8.61
312	313	7.79
313	314	6.799
314	315	6.611
315	316	5.162
316	317	5.834
317	318	8.46
318	319	13.36
319	320	15.08
320	321	14.03
321	322	11.35

322	323	9.38
323	324	9.7
324	325	8.15
325	326	7.5
326	327	7.79
327	328	9.9
328	329	10.5
329	330	15.97
330	331	16
331	332	15.55
332	333	11.62
333	334	12.22
334	335	9.34
335	336	6.657
336	337	4.549
337	338	4.864
338	339	4.343
339	340	4.177
340	341	2.329
341	342	1.703
342	343	3.023
343	344	1.835
344	345	2.012
345	346	1.02
346	347	-1.614
347	348	-0.9
348	349	-0.27
349	350	1.808
350	351	0.376
351	352	0.205
352	353	-0.677
353	354	-0.858
354	355	-0.374
355	356	-0.464
356	357	0.549
357	358	1.686
358	359	0.991
359	360	0.974
360	361	2.158
361	362	0.727
362	363	-0.397
363	364	1.677
364	365	3.405
365	366	1.889
366	367	1.815
367	368	4.377
368	369	4.28
369	370	6.547
370	371	5.62
371	372	3.92
372	373	6.058
373	374	4.24
374	375	2.601
375	376	3.539

376	377	3.948
377	378	5.142
378	379	6.739
379	380	7.95
380	381	7.46
381	382	6.489
382	383	5.741
383	384	4.952
384	385	3.927
385	386	4.274
386	387	3.624
387	388	0.861
388	389	-0.758
389	390	-0.377
390	391	-0.036
391	392	-1.111
392	393	-1.437
393	394	-0.567
394	395	0.709
395	396	0.211
396	397	1.503
397	398	1.429
398	399	-0.946
399	400	-1.263
400	401	1.296
401	402	1.836
402	403	0.171
403	404	-1.093
404	405	-2.528
405	406	-2.423
406	407	-5.14
407	408	-5.904
408	409	-3.611
409	410	-1.636
410	411	-2.138
411	412	-3.413
412	413	-4.711
413	414	-4.235
414	415	-3.114
415	416	-4.099
416	417	-4.458
417	418	-5.595
418	419	-5.42
419	420	-6.074
420	421	-8.91
421	422	-9.85
422	423	-6.426
423	424	-4.334
424	425	-4.664
425	426	-5.395
426	427	-6.122
427	428	-4.363
428	429	-2.767
429	430	-2.377

430	431	-3.648
431	432	-4.288
432	433	-3.829
433	434	-4.485
434	435	-7.63
435	436	-8.42
436	437	-7.97
437	438	-8.98
438	439	-7.49
439	440	-7.91
440	441	-11.11
441	442	-11.69
442	443	-11.23
443	444	-10.94
444	445	-11.52
445	446	-10.81
446	447	-9.68
447	448	-10.76
448	449	-11.76
449	450	-10.58
450	451	-12.27
451	452	-13.85
452	453	-10.06
453	454	-10.33
454	455	-12.61
455	456	-9.73
456	457	-6.961
457	458	-8
458	459	-12.77
459	460	-13.76
460	461	-11.42
461	462	-10.67
462	463	-10.2
463	464	-9.6
464	465	-8.67
465	466	-8.65
466	467	-9.41
467	468	-8.61
468	469	-8.66
469	470	-9.24
470	471	-8.94
471	472	-8.89
472	473	-10.13
473	474	-10.36
474	475	-9.37
475	476	-9.48
476	477	-9.34
477	478	-8.73
478	479	-8.54
479	480	-5.824
480	481	-6.64
481	482	-8.17
482	483	-6.689
483	484	-6.947

484	485	-5.359
485	486	-4.869
486	487	-3.136
487	488	-4.896
488	489	-4.025
489	490	-4.174
490	491	-4.959
491	492	-4.791
492	493	-4.871
493	494	-5.822
494	495	-5.274
495	496	-5.433
496	497	-5.474
497	498	-5.564
498	499	-5.26
499	500	-5.174
500	501	-5.264
501	502	-5.087
502	503	-5.048
503	504	-5.197
504	505	-5.121
505	506	-4.882
506	507	-5.158
507	508	-5.396
508	509	-5.373
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510	511	-5.502
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520	521	-4.109
521	522	-4.199
522	523	-4.216
523	524	-4.209
524	525	-4.109
525	526	-3.982
526	527	-3.901
527	528	-3.81
528	529	-3.904
529	530	-4.02
530	531	-4.008
531	532	-3.781
532	533	-3.794
533	534	-3.777
534	535	-3.722
535	536	-3.344
536	537	-2.507
537	538	-2.56

538	539	-2.383
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1334	1335	0.003
1335	1336	0.002
1336	1337	0.001
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1338	1339	-0.01
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1343	1344	0.008
1344	1345	0.019
1345	1346	0.146
1346	1347	1.595
1347	1348	3.652

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1349	1350	0.24
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1351	1352	5.899
1352	1353	1.776
1353	1354	4.248
1354	1355	5.668
1355	1356	4.393
1356	1357	1.5
1357	1358	8.14
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1360	1361	2.338
1361	1362	3.217
1362	1363	5.857
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1366	1367	10.19
1367	1368	8.84
1368	1369	8.93
1369	1370	8.56
1370	1371	9.47
1371	1372	8.56
1372	1373	8.21
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1374	1375	9.68
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2015	2016	-5.161
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2017	2018	-5.174
2018	2019	-5.011
2019	2020	-4.855
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2023	2024	-4.738
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2025	2026	-4.413
2026	2027	-4.309
2027	2028	-4.234
2028	2029	-4.181
2029	2030	-4.042
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2031	2032	-3.493
2032	2033	-2.795
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2034	2035	-1.357
2035	2036	-1.504
2036	2037	-1.576
2037	2038	-1.726
2038	2039	-1.93
2039	2040	-2.112
2040	2041	-2.038
2041	2042	-0.941
2042	2043	-0.125
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2044	2045	-0.029
2045	2046	-0.02
2046	2047	-0.015
2047	2048	-0.009
2048	2049	-0.009
2049	2050	-0.007

2050	2051	-0.003
2051	2052	-0.001
2052	2053	0.001
2053	2054	0.001
2054	2055	0.007
2055	2056	0.099
2056	2057	0.453
2057	2058	1.588
2058	2059	0.575
2059	2060	1.152
2060	2061	2.154
2061	2062	2.473
2062	2063	0.117
2063	2064	0.994
2064	2065	2.956
2065	2066	5.097
2066	2067	4.558
2067	2068	2.43
2068	2069	-2.252
2069	2070	-2.66
2070	2071	-2.548
2071	2072	-3.139
2072	2073	-2.496
2073	2074	-1.196
2074	2075	0.053
2075	2076	0.013
2076	2077	0.791
2077	2078	3.078
2078	2079	4.679
2079	2080	6.204
2080	2081	8.45
2081	2082	10.84
2082	2083	11.56
2083	2084	11.54
2084	2085	12.63
2085	2086	12.38
2086	2087	9.61
2087	2088	10.5
2088	2089	11.48
2089	2090	13.38
2090	2091	13.96
2091	2092	11.59
2092	2093	11.92
2093	2094	12.94
2094	2095	11.5
2095	2096	11.76
2096	2097	12.84
2097	2098	11.75
2098	2099	7.8
2099	2100	9.96
2100	2101	11.87
2101	2102	12.78
2102	2103	13.12
2103	2104	13.7

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2106	2107	5.922
2107	2108	7.34
2108	2109	9.77
2109	2110	11.87
2110	2111	12.95
2111	2112	10.11
2112	2113	9.17
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2118	2119	15.15
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2124	2125	14.91
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2128	2129	8.21
2129	2130	11.82
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2140	2141	3.941
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2143	2144	1.628
2144	2145	2.882
2145	2146	5.199
2146	2147	5.232
2147	2148	7.18
2148	2149	8.59
2149	2150	7.18
2150	2151	6.509
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2152	2153	7.75
2153	2154	9.35
2154	2155	7.28
2155	2156	7.22
2156	2157	6.699
2157	2158	3.487

2158	2159	2.44
2159	2160	1.197
2160	2161	0.268
2161	2162	3.768
2162	2163	7.93
2163	2164	9.39
2164	2165	8.71
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2166	2167	12.83
2167	2168	13.85
2168	2169	12.79
2169	2170	10.89
2170	2171	10.95
2171	2172	10.97
2172	2173	10.06
2173	2174	8.99
2174	2175	9.09
2175	2176	5.699
2176	2177	4.913
2177	2178	6.139
2178	2179	4.702
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2181	2182	6.176
2182	2183	7.93
2183	2184	9.74
2184	2185	11.25
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2186	2187	5.1
2187	2188	4.471
2188	2189	6.263
2189	2190	7.01
2190	2191	6.901
2191	2192	6.536
2192	2193	6.593
2193	2194	6.316
2194	2195	5.011
2195	2196	1.747
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2197	2198	0.228
2198	2199	0.899
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2200	2201	5.503
2201	2202	6.022
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2203	2204	5.562
2204	2205	5.282
2205	2206	3.61
2206	2207	3.517
2207	2208	3.153
2208	2209	3.927
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2211	2212	1.166

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2214	2215	2.247
2215	2216	3.013
2216	2217	2.963
2217	2218	5.023
2218	2219	6.136
2219	2220	5.419
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2222	2223	2.852
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2246	2247	-3.187
2247	2248	-1.561
2248	2249	-1.454
2249	2250	-2.659
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2253	2254	-4.759
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2733	2734	-6.385
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2743	2744	-3.982
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2745	2746	-4.062
2746	2747	-3.996
2747	2748	-4.03
2748	2749	-4.055
2749	2750	-3.969
2750	2751	-3.658
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2789	2790	0.001
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2791	2792	0.002
2792	2793	0.003
2793	2794	0.005
2794	2795	0.007
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2798	2799	3.021
2799	2800	1.503
2800	2801	3.334
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2803	2804	6.157
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3561	3562	12.37

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3606	3607	3.504
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4000	4001	11.07
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4004	4005	8.9
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4014	4015	7.18
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4134	4135	-9.63
4135	4136	-9.63
4136	4137	-8.02
4137	4138	-7.47
4138	4139	-7.96
4139	4140	-9.48
4140	4141	-10.58
4141	4142	-10.69
4142	4143	-10.03
4143	4144	-11.61
4144	4145	-12.7
4145	4146	-12.75
4146	4147	-13.18
4147	4148	-12.09
4148	4149	-9.56
4149	4150	-11.57
4150	4151	-13.97
4151	4152	-13.69
4152	4153	-13.96
4153	4154	-13.48
4154	4155	-12.53
4155	4156	-11.55

4156	4157	-10.21
4157	4158	-8.94
4158	4159	-7.6
4159	4160	-8.07
4160	4161	-8.81
4161	4162	-8.75
4162	4163	-7.16
4163	4164	-6.244
4164	4165	-3.244
4165	4166	-2.73
4166	4167	-6.499
4167	4168	-8.07
4168	4169	-6.114
4169	4170	-1.723
4170	4171	-0.488
4171	4172	0.53
4172	4173	0.001
4173	4174	-0.797
4174	4175	-2.386
4175	4176	-3.308
4176	4177	-3.902
4177	4178	-4.462
4178	4179	-4.797
4179	4180	-3.86
4180	4181	-4.309
4181	4182	-3.065
4182	4183	-2.729
4183	4184	-1.982
4184	4185	-1.237
4185	4186	-0.767
4186	4187	-2.685
4187	4188	-2.918
4188	4189	-3.278
4189	4190	-3.319
4190	4191	-3.095
4191	4192	-2.679
4192	4193	-2.686
4193	4194	-2.262
4194	4195	-2.078
4195	4196	-2.071
4196	4197	-1.783
4197	4198	-0.84
4198	4199	-1.531
4199	4200	-1.531
4200	4201	-1.202
4201	4202	-1.105
4202	4203	-1.646
4203	4204	-0.88
4204	4205	0.027
4205	4206	-0.551
4206	4207	-0.23
4207	4208	-0.837
4208	4209	-2.714
4209	4210	-3.261

4210	4211	-0.593
4211	4212	-1.957
4212	4213	-1.691
4213	4214	-1.614
4214	4215	-1.52
4215	4216	-1.4
4216	4217	-1.39
4217	4218	-1.423
4218	4219	-1.502
4219	4220	-1.617
4220	4221	-1.67
4221	4222	-1.74
4222	4223	-1.81
4223	4224	-1.883
4224	4225	-1.932
4225	4226	-1.971
4226	4227	-2.008
4227	4228	-2.007
4228	4229	-1.9
4229	4230	-1.763
4230	4231	-1.642
4231	4232	-1.552
4232	4233	-1.458
4233	4234	-1.199
4234	4235	-0.518
4235	4236	-0.439
4236	4237	-0.473
4237	4238	-0.494
4238	4239	-0.492
4239	4240	-0.31
4240	4241	-0.145
4241	4242	-0.082
4242	4243	-0.056
4243	4244	-0.037
4244	4245	-0.385
4245	4246	-0.239
4246	4247	-0.056
4247	4248	-0.139
4248	4249	0.7
4249	4250	0.821
4250	4251	0.86
4251	4252	0.053
4252	4253	0.697
4253	4254	2.669
4254	4255	3.046
4255	4256	4.296
4256	4257	4.289
4257	4258	3.026
4258	4259	2.483
4259	4260	3.43
4260	4261	5.387
4261	4262	5.554
4262	4263	5.479
4263	4264	9.99

4264	4265	7.96
4265	4266	1.441
4266	4267	3.037
4267	4268	3.984
4268	4269	7.9
4269	4270	6.554
4270	4271	6.423
4271	4272	2.637
4272	4273	3.46
4273	4274	0.897
4274	4275	2.331
4275	4276	3.356
4276	4277	8.9
4277	4278	12.21
4278	4279	13.67
4279	4280	13.59
4280	4281	13.46
4281	4282	11.93
4282	4283	11.49
4283	4284	11.91
4284	4285	10.82
4285	4286	11.32
4286	4287	8.34
4287	4288	5.622
4288	4289	11.11
4289	4290	13.14
4290	4291	15.44
4291	4292	16.64
4292	4293	15.21
4293	4294	9.22
4294	4295	9.91
4295	4296	9.81
4296	4297	10
4297	4298	7.76
4298	4299	11.17
4299	4300	9.5
4300	4301	11.28
4301	4302	10.31
4302	4303	7.92
4303	4304	9.23
4304	4305	8.85
4305	4306	8.83
4306	4307	8.12
4307	4308	7.04
4308	4309	6.96
4309	4310	11.46
4310	4311	13.21
4311	4312	11.69
4312	4313	7.45
4313	4314	4.837
4314	4315	8.3
4315	4316	11.47
4316	4317	8.11
4317	4318	12.25

4318	4319	14.03
4319	4320	11.37
4320	4321	12.75
4321	4322	11.2
4322	4323	10.36
4323	4324	11.96
4324	4325	14.05
4325	4326	15.73
4326	4327	13
4327	4328	10.81
4328	4329	8.31
4329	4330	11.12
4330	4331	13.18
4331	4332	11.36
4332	4333	9.02
4333	4334	9.53
4334	4335	10.17
4335	4336	10.42
4336	4337	12.14
4337	4338	13.69
4338	4339	11.78
4339	4340	13.92
4340	4341	15.62
4341	4342	17.39
4342	4343	17.27
4343	4344	15.33
4344	4345	14.52
4345	4346	12.58
4346	4347	13.03
4347	4348	11.24
4348	4349	7.83
4349	4350	9.51
4350	4351	11.57
4351	4352	11.59
4352	4353	7.67
4353	4354	3.018
4354	4355	1.297
4355	4356	2.448
4356	4357	4.663
4357	4358	6.409
4358	4359	6.293
4359	4360	7.92
4360	4361	9.84
4361	4362	11.12
4362	4363	11.36
4363	4364	9.73
4364	4365	9.33
4365	4366	3.663
4366	4367	-0.965
4367	4368	4.063
4368	4369	6.451
4369	4370	9.02
4370	4371	9.82
4371	4372	9.09

4372	4373	3.997
4373	4374	2.922
4374	4375	6.038
4375	4376	7.77
4376	4377	7.61
4377	4378	4.568
4378	4379	2.014
4379	4380	3.3
4380	4381	5.285
4381	4382	4.369
4382	4383	4.407
4383	4384	4.878
4384	4385	4.183
4385	4386	4.433
4386	4387	3.93
4387	4388	2.87
4388	4389	5.313
4389	4390	5.911
4390	4391	3.838
4391	4392	2.301
4392	4393	2.989
4393	4394	2.382
4394	4395	1.552
4395	4396	1.024
4396	4397	-0.951
4397	4398	0.312
4398	4399	-0.992
4399	4400	-0.569
4400	4401	-0.533
4401	4402	0.288
4402	4403	2.073
4403	4404	3.484
4404	4405	5.115
4405	4406	6.025
4406	4407	5.82
4407	4408	5.014
4408	4409	4.823
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4412	4413	-0.539
4413	4414	-0.702
4414	4415	-1.084
4415	4416	-0.59
4416	4417	-1.095
4417	4418	-0.733
4418	4419	-0.412
4419	4420	-0.069
4420	4421	-0.221
4421	4422	-0.67
4422	4423	-0.892
4423	4424	-0.831
4424	4425	-0.543
4425	4426	-0.237

4426	4427	-0.178
4427	4428	-0.238
4428	4429	-0.395
4429	4430	-0.506
4430	4431	-0.594
4431	4432	-0.63
4432	4433	-0.662
4433	4434	-0.687
4434	4435	-0.773
4435	4436	-0.715
4436	4437	-0.665
4437	4438	-0.625
4438	4439	-0.687
4439	4440	-0.732
4440	4441	-0.651
4441	4442	-0.474
4442	4443	-0.453
4443	4444	-0.462
4444	4445	-0.448
4445	4446	-0.522
4446	4447	-0.548
4447	4448	-0.547
4448	4449	-0.612
4449	4450	-0.593
4450	4451	-0.688
4451	4452	-0.795
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4455	4456	-1.146
4456	4457	-1.343
4457	4458	-1.71
4458	4459	-2.089
4459	4460	-2.189
4460	4461	-2.12
4461	4462	-2.043
4462	4463	-1.966
4463	4464	-2.008
4464	4465	-2.186
4465	4466	-2.321
4466	4467	-2.323
4467	4468	-2.254
4468	4469	-2.116
4469	4470	-2.039
4470	4471	-1.927
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4473	4474	-2.028
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4475	4476	-2.231
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4477	4478	-2.383
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4479	4480	-2.505

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4481	4482	-2.49
4482	4483	-2.499
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4485	4486	-3.216
4486	4487	-3.106
4487	4488	-3.299
4488	4489	-3.693
4489	4490	-3.709
4490	4491	-3.877
4491	4492	-4.019
4492	4493	-4.32
4493	4494	-4.788
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4495	4496	-5.418
4496	4497	-5.242
4497	4498	-5.024
4498	4499	-5.029
4499	4500	-5.087
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4502	4503	-5.45
4503	4504	-5.474
4504	4505	-5.398
4505	4506	-5.257
4506	4507	-4.915
4507	4508	-4.762
4508	4509	-4.591
4509	4510	-4.365
4510	4511	-4.421
4511	4512	-4.421
4512	4513	-4.253
4513	4514	-4.331
4514	4515	-4.489
4515	4516	-4.911
4516	4517	-5.497
4517	4518	-6.117
4518	4519	-6.36
4519	4520	-6.409
4520	4521	-6.784
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4523	4524	-6.824
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4527	4528	-6.786
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4532	4533	-7.19
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4537	4538	-7.2
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4540	4541	-6.804
4541	4542	-6.593
4542	4543	-6.317
4543	4544	-6.07
4544	4545	-5.808
4545	4546	-5.639
4546	4547	-5.531
4547	4548	-5.409
4548	4549	-5.315
4549	4550	-5.303
4550	4551	-5.494
4551	4552	-5.767
4552	4553	-5.81
4553	4554	-5.788
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4555	4556	-5.672
4556	4557	-5.684
4557	4558	-5.635
4558	4559	-5.457
4559	4560	-5.328
4560	4561	-5.168
4561	4562	-5.03
4562	4563	-4.955
4563	4564	-4.931
4564	4565	-4.884
4565	4566	-4.809
4566	4567	-4.755
4567	4568	-4.74
4568	4569	-4.737
4569	4570	-4.732
4570	4571	-4.723
4571	4572	-4.716
4572	4573	-4.657
4573	4574	-4.589
4574	4575	-4.552
4575	4576	-4.547
4576	4577	-4.533
4577	4578	-4.471
4578	4579	-4.358
4579	4580	-4.281
4580	4581	-4.108
4581	4582	-3.25
4582	4583	-2.199
4583	4584	-1.708
4584	4585	-1.165
4585	4586	-0.945
4586	4587	-0.857
4587	4588	-0.77

4588	4589	-0.703
4589	4590	-0.654
4590	4591	-0.581
4591	4592	-0.399
4592	4593	-0.274
4593	4594	-0.22
4594	4595	-0.175
4595	4596	-0.123
4596	4597	-0.059
4597	4598	-0.026
4598	4599	-0.015
4599	4600	-0.007
4600	4601	-0.005
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4637	4638	-0.005
4638	4639	-0.005
4639	4640	-0.004
4640	4641	-0.003
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4646	4647	8.88
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4648	4649	8.19
4649	4650	6.345
4650	4651	1.378
4651	4652	0.942
4652	4653	1.707
4653	4654	0.896
4654	4655	1.631
4655	4656	0.34
4656	4657	5.333
4657	4658	8.38
4658	4659	10
4659	4660	6.37
4660	4661	8.21
4661	4662	10.9
4662	4663	11.92
4663	4664	9.51
4664	4665	7.91
4665	4666	7.86
4666	4667	10.19
4667	4668	11.98
4668	4669	11.51
4669	4670	11.27
4670	4671	11.23
4671	4672	11.97
4672	4673	13.79
4673	4674	10.99
4674	4675	10.37
4675	4676	9.15
4676	4677	9.94
4677	4678	9.65
4678	4679	8.59
4679	4680	13.68
4680	4681	10.53
4681	4682	12.68
4682	4683	14.93
4683	4684	16.43
4684	4685	16.73
4685	4686	7.9
4686	4687	8.89
4687	4688	11.95
4688	4689	15.1
4689	4690	17.09
4690	4691	17.75
4691	4692	17.44
4692	4693	17.63
4693	4694	16.54
4694	4695	11.98
4695	4696	7.57

4696	4697	6.305
4697	4698	7.51
4698	4699	10.21
4699	4700	12.33
4700	4701	12.41
4701	4702	11.42
4702	4703	11.6
4703	4704	13.55
4704	4705	12.84
4705	4706	13.18
4706	4707	8.72
4707	4708	5.564
4708	4709	9.76
4709	4710	12.43
4710	4711	8.56
4711	4712	7.37
4712	4713	3.32
4713	4714	4.057
4714	4715	3.442
4715	4716	5.065
4716	4717	7.05
4717	4718	8.36
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4719	4720	8.42
4720	4721	7.59
4721	4722	10.76
4722	4723	13.32
4723	4724	14.1
4724	4725	13.02
4725	4726	11.31
4726	4727	7.54
4727	4728	7.54
4728	4729	3.578
4729	4730	2.646
4730	4731	1.277
4731	4732	1.916
4732	4733	5.47
4733	4734	3.981
4734	4735	3.043
4735	4736	0.486
4736	4737	2.716
4737	4738	3.755
4738	4739	4.806
4739	4740	4.924
4740	4741	5.359
4741	4742	8.53
4742	4743	10.64
4743	4744	9.25
4744	4745	6.041
4745	4746	6.103
4746	4747	8.3
4747	4748	5.245
4748	4749	2.246
4749	4750	2.866

4750	4751	4.161
4751	4752	6.456
4752	4753	9.09
4753	4754	6.614
4754	4755	3.895
4755	4756	4.37
4756	4757	2.951
4757	4758	3.174
4758	4759	0.218
4759	4760	-1.195
4760	4761	-0.32
4761	4762	-0.111
4762	4763	-0.255
4763	4764	-0.451
4764	4765	-0.254
4765	4766	-0.274
4766	4767	-0.961
4767	4768	-0.573
4768	4769	0.018
4769	4770	0.452
4770	4771	1.286
4771	4772	1.151
4772	4773	0.266
4773	4774	0.206
4774	4775	2.487
4775	4776	1.746
4776	4777	2.102
4777	4778	1.037
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4779	4780	-0.059
4780	4781	-1.454
4781	4782	0.04
4782	4783	-1.057
4783	4784	-2.204
4784	4785	-1.375
4785	4786	-1.213
4786	4787	-0.933
4787	4788	-0.025
4788	4789	-0.037
4789	4790	-0.319
4790	4791	-0.519
4791	4792	-0.855
4792	4793	-0.971
4793	4794	-0.917
4794	4795	-0.587
4795	4796	-0.622
4796	4797	-0.634
4797	4798	-0.619
4798	4799	-0.486
4799	4800	-0.432
4800	4801	-0.575
4801	4802	-0.801
4802	4803	-0.949
4803	4804	-0.941

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4805	4806	-1.177
4806	4807	-2.007
4807	4808	-2.684
4808	4809	-2.996
4809	4810	-2.616
4810	4811	-2.866
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4812	4813	-3.356
4813	4814	-3.384
4814	4815	-3.428
4815	4816	-3.408
4816	4817	-5.17
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4819	4820	-4.694
4820	4821	-4.776
4821	4822	-5.371
4822	4823	-5.549
4823	4824	-5.97
4824	4825	-6.333
4825	4826	-5.201
4826	4827	-4.923
4827	4828	-5.441
4828	4829	-5.428
4829	4830	-4.701
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4831	4832	-3.976
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4836	4837	-3.192
4837	4838	-3.239
4838	4839	-3.086
4839	4840	-2.968
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4841	4842	-3.35
4842	4843	-3.456
4843	4844	-3.509
4844	4845	-3.575
4845	4846	-3.406
4846	4847	-3.338
4847	4848	-3.266
4848	4849	-3.172
4849	4850	-3.083
4850	4851	-2.979
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4852	4853	-2.866
4853	4854	-2.898
4854	4855	-2.835
4855	4856	-2.809
4856	4857	-2.839
4857	4858	-2.844

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4859	4860	-2.694
4860	4861	-2.706
4861	4862	-2.674
4862	4863	-2.678
4863	4864	-2.671
4864	4865	-2.691
4865	4866	-2.745
4866	4867	-2.777
4867	4868	-2.787
4868	4869	-2.778
4869	4870	-2.849
4870	4871	-2.896
4871	4872	-2.944
4872	4873	-2.962
4873	4874	-2.978
4874	4875	-2.926
4875	4876	-2.914
4876	4877	-2.882
4877	4878	-2.865
4878	4879	-2.881
4879	4880	-2.838
4880	4881	-2.827
4881	4882	-2.799
4882	4883	-2.805
4883	4884	-2.819
4884	4885	-2.838
4885	4886	-2.823
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4887	4888	-2.863
4888	4889	-2.803
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4898	4899	-2.639
4899	4900	-2.655
4900	4901	-2.643
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4902	4903	-2.693
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4904	4905	-2.718
4905	4906	-2.735
4906	4907	-2.783
4907	4908	-2.794
4908	4909	-2.819
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4911	4912	-2.767

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4915	4916	-2.56
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4922	4923	-1.88
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4926	4927	-1.68
4927	4928	-1.662
4928	4929	-1.658
4929	4930	-1.667
4930	4931	-1.682
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4945	4946	-0.592
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4950	4951	-0.59
4951	4952	-0.66
4952	4953	-0.684
4953	4954	-0.48
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4991	4992	0.004
4992	4993	0.004
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4994	4995	0.004
4995	4996	0.004
4996	4997	0.004
4997	4998	0.004
4998	4999	0.004
4999	5000	0.004
5000	5001	0.004
5001	5002	0.004
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5005	5006	4.662
5006	5007	3.006
5007	5008	4.552
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5017	5018	7.21
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5167	5168	-1.355
5168	5169	-1.33
5169	5170	-1.253
5170	5171	-1.197
5171	5172	-1.163
5172	5173	-1.179
5173	5174	-1.187
5174	5175	-1.254
5175	5176	-1.232
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5178	5179	-1.262
5179	5180	-1.309
5180	5181	-1.374
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5196	5197	-2.182
5197	5198	-2.382
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5201	5202	-3.095
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5340	5341	0.981
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5450	5451	7.9
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5475	5476	2.15
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5477	5478	2.695
5478	5479	2.804
5479	5480	2.528
5480	5481	2.14
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5485	5486	2.579
5486	5487	3.761
5487	5488	2.924
5488	5489	3.133
5489	5490	2.52
5490	5491	2.759
5491	5492	1.713
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5495	5496	-1.497
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5542	5543	-3.962
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5660	5661	-4.128
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5670	5671	-0.311
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5685	5686	-0.046
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5694	5695	-0.31
5695	5696	-0.256
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5697	5698	-0.209
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5729	5730	-0.004
5730	5731	0.003
5731	5732	0.076
5732	5733	1.468
5733	5734	1.331
5734	5735	2.292
5735	5736	3.327
5736	5737	3.256
5737	5738	1.865
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5739	5740	1.57
5740	5741	4.147
5741	5742	1.607
5742	5743	6.584
5743	5744	8.19
5744	5745	12.38
5745	5746	15.03
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5747	5748	12.32
5748	5749	8.52
5749	5750	7.25
5750	5751	10.75
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5753	5754	11.06
5754	5755	10.65
5755	5756	11.82
5756	5757	13.85
5757	5758	12.51
5758	5759	10.48
5759	5760	12.76
5760	5761	12.69
5761	5762	13.64
5762	5763	15.63
5763	5764	15.34
5764	5765	9.74
5765	5766	5.577
5766	5767	2.371
5767	5768	0.311
5768	5769	4.084
5769	5770	8.78
5770	5771	12.28
5771	5772	14.55
5772	5773	19.97
5773	5774	13.5
5774	5775	9.98
5775	5776	8.03

5776	5777	10.03
5777	5778	11.06
5778	5779	11.39
5779	5780	9.32
5780	5781	10.72
5781	5782	11.93
5782	5783	12.24
5783	5784	7.82
5784	5785	8.55
5785	5786	10.18
5786	5787	13.8
5787	5788	13.66
5788	5789	4.747
5789	5790	6.583
5790	5791	11.03
5791	5792	13.31
5792	5793	8.43
5793	5794	5.022
5794	5795	4.819
5795	5796	5.896
5796	5797	11.54
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5798	5799	11.5
5799	5800	10.43
5800	5801	7.75
5801	5802	8.94
5802	5803	10.17
5803	5804	8.35
5804	5805	9.79
5805	5806	8.21
5806	5807	12.83
5807	5808	16.5
5808	5809	17.72
5809	5810	17.55
5810	5811	17.84
5811	5812	14.61
5812	5813	11.6
5813	5814	9.48
5814	5815	11.19
5815	5816	11.47
5816	5817	12.64
5817	5818	13.03
5818	5819	10.53
5819	5820	4.53
5820	5821	6.558
5821	5822	10.48
5822	5823	10.58
5823	5824	10.08
5824	5825	8.85
5825	5826	6.622
5826	5827	8.41
5827	5828	9.85
5828	5829	10.58
5829	5830	6.108

5830	5831	3.836
5831	5832	3.108
5832	5833	2.946
5833	5834	2.007
5834	5835	4.881
5835	5836	4.102
5836	5837	5.241
5837	5838	5.849
5838	5839	6.308
5839	5840	7.44
5840	5841	7.55
5841	5842	4.395
5842	5843	6.102
5843	5844	8.57