

DOY	1998	1999	2000	2001	2002	2003
1	51.21	48.38	51.98	51.27	49.61	50.30
2	50.94	47.29	51.77	51.28	49.74	50.33
3	50.55	47.24	51.67	51.27	50.63	50.61
4	49.98	47.44	51.65	50.99	50.31	50.77
5	49.56	47.58	51.72	50.80	50.25	50.60
6	49.08	48.13	51.52	50.69	50.09	50.60
7	48.71	48.64	51.51	50.55	50.42	50.52
8	48.66	48.72	51.47	50.52	50.29	50.26
9	48.80	48.50	51.44	50.31	50.54	50.20
10	48.94	48.61	51.39	50.18	50.56	50.01
11	49.07	48.30	51.35	49.81	50.45	49.80
12	48.92	48.18	50.94	49.55	50.25	49.67
13	48.64	48.38	50.53	49.52	50.04	49.64
14	48.63	48.38	50.46	49.57	50.10	49.67
15	48.19	48.30	49.66	49.55	49.90	49.46
16	48.79	48.54	49.00	49.39	49.51	49.75
17	49.87	48.39	48.73	49.28	49.54	49.94
18	49.90	48.03	49.36	49.18	49.29	50.03
19	49.45	48.03	49.33	49.25	49.29	49.76
20	49.00	48.19	49.32	49.21	49.32	49.41
21	50.02	48.08	49.18	49.16	49.30	49.26
22	50.16	48.38	49.00	49.17	48.98	49.27
23	50.03	48.26	48.85	49.16	48.52	49.24
24	49.89	47.87	48.82	48.84	48.40	49.36
25	49.91	48.10	49.41	48.05	48.43	49.56
26	49.92	48.32	49.40	47.35	48.52	49.56
27	49.75	47.97	49.36	47.09	48.25	49.42
28	49.53	47.86	49.93	46.67	48.10	49.34
29	49.53	47.55	50.09	47.08	47.89	49.47
30	49.40	47.80	49.72	46.96	47.77	49.21
31	49.29	47.69	49.37	46.84	47.67	49.04
32	49.47	47.42	49.31	47.11	47.79	48.93
33	48.81	47.62	49.55	47.74	47.83	48.72
34	49.03	47.78	49.09	48.38	47.94	48.73
35	48.87	47.67	48.81	48.73	47.97	48.88
36	48.76	47.49	48.96	48.97	47.85	48.81
37	48.85	47.17	48.37	48.94	47.89	48.64
38	48.81	46.86	48.40	48.57	47.84	48.65
39	48.81	46.86	48.72	48.29	47.77	48.81
40	48.68	47.14	49.43	47.81	47.57	48.92
41	48.68	47.19	49.76	46.77	47.30	48.77
42	48.71	47.29	49.65	45.76	47.68	48.58

43	48.65	47.50	49.19	45.72	47.85	48.60
44	48.76	47.46	49.14	45.33	47.92	48.65
45	48.77	47.49	49.27	45.15	47.90	48.56
46	48.71	47.47	49.22	45.55	47.91	48.43
47	48.45	47.36	49.23	46.37	47.93	48.10
48	48.40	47.40	49.27	46.81	47.84	48.00
49	48.45	47.35	49.29	47.20	47.86	48.22
50	48.49	47.20	49.36	47.37	47.75	48.29
51	48.43	47.16	49.38	47.06	47.33	48.36
52	48.15	46.96	49.42	45.87	47.18	48.66
53	48.22	46.87	49.16	46.21	47.42	48.74
54	48.12	46.87	48.87	45.82	47.56	48.66
55	48.21	46.87	48.98	45.84	47.80	48.62
56	48.11	46.61	48.88	45.81	48.04	48.59
57	48.10	46.61	49.06	45.77	48.30	48.74
58	48.06	46.71	49.02	45.92	48.39	48.57
59	48.12	46.83	48.87	45.86	48.44	48.46
60	48.09	46.84	48.84	45.81	48.29	48.51
61	48.03	46.91	48.75	45.91	48.47	48.44
62	47.95	46.76	48.81	46.10	48.55	48.60
63	48.03	46.65	49.06	46.27	48.52	48.50
64	48.08	46.69	48.90	46.31	48.57	48.50
65	48.05	46.73	48.95	46.29	48.51	48.52
66	47.90	46.81	48.99	46.50	48.47	48.65
67	47.78	46.54	48.85	46.67	48.06	48.76
68	47.79	46.47	48.67	47.12	47.95	48.94
69	47.95	46.58	48.66	47.03	48.08	48.94
70	47.96	46.76	48.77	47.45	48.12	48.79
71	48.14	46.84	48.94	47.60	48.13	48.90
72	48.02	46.96	49.04	47.75	48.06	48.73
73	48.15	46.61	49.16	47.91	47.83	48.80
74	48.44	46.76	49.35	48.31	47.79	49.23
75	48.88	46.99	49.03	49.09	47.97	49.25
76	48.87	46.97	49.14	49.14	47.87	49.25
77	48.72	46.99	49.11	49.27	47.64	49.17
78	48.58	47.08	49.11	49.36	47.85	49.05
79	48.62	47.43	49.18	49.95	48.38	49.11
80	48.31	47.09	48.99	49.86	48.57	49.47
81	48.31	47.10	49.07	49.99	48.74	49.39
82	48.65	47.17	49.22	50.06	48.43	49.75
83	48.15	47.19	49.27	50.38	48.18	49.67
84	47.86	47.13	49.23	50.01	48.41	49.71
85	47.96	47.43	49.15	49.62	48.79	49.98

86	47.90	47.70	49.32	49.44	49.28	50.14
87	48.02	48.02	49.36	49.84	49.49	50.40
88	48.31	47.93	49.45	50.71	49.59	50.46
89	48.40	47.46	49.63	51.18	50.08	50.38
90	48.13	47.19	50.15	50.63	50.03	50.64
91	48.33	47.35	50.65	50.28	49.73	50.95
92	48.30	47.43	50.76	49.58	49.69	50.85
93	48.47	47.86	50.98	48.82	49.29	50.52
94	48.67	48.39	50.88	48.74	49.07	50.46
95	48.74	48.36	51.08	49.21	48.95	50.30
96	48.85	48.25	50.85	49.64	49.08	49.98
97	48.98	47.97	50.51	50.20	49.16	50.22
98	49.13	48.58	50.93	49.62	49.22	50.46
99	49.17	48.01	50.32	50.33	49.10	50.74
100	49.14	47.65	51.11	50.87	49.16	51.06
101	49.20	47.79	52.29	51.42	49.37	51.54
102	49.01	48.51	52.96	51.15	50.13	51.43
103	49.07	49.07	51.95	51.38	50.10	51.53
104	48.99	49.30	51.58	51.32	50.55	50.76
105	49.10	49.92	50.93	51.32	50.09	50.45
106	49.24	50.26	51.45	51.48	49.23	50.74
107	49.23	50.15	51.12	51.76	49.76	50.75
108	49.71	49.88	50.37	51.38	50.06	51.32
109	50.63	49.86	50.31	50.92	50.53	51.64
110	50.57	49.66	50.23	48.83	51.11	51.81
111	50.59	48.69	50.78	47.82	50.50	51.89
112	50.94	48.53	52.65	48.05	49.87	51.50
113	50.53	48.98	52.51	48.68	50.24	51.51
114	49.69	50.20	50.90	48.73	50.22	50.48
115	49.86	50.91	49.95	48.75	50.50	50.29
116	50.79	50.65	50.05	48.70	50.06	50.39
117	51.18	49.79	50.09	48.79	50.00	50.85
118	50.80	50.01	50.04	48.80	50.54	51.10
119	50.60	51.10	49.94	48.31	51.22	49.84
120	50.74	51.83	50.10	48.39	50.88	50.39
121	50.45	51.83	50.14	48.73	49.78	50.98
122	50.18	51.28	50.29	48.43	49.93	50.63
123	50.53	50.40	50.15	48.37	50.26	50.53
124	51.32	50.35	50.71	48.60	50.43	50.40
125	51.43	50.72	50.76	48.89	50.38	50.53
126	51.57	51.56	50.31	48.65	50.41	50.88
127	51.44	50.77	50.37	48.52	50.17	51.45
128	50.66	50.56	50.13	48.77	50.07	51.23

129	50.18	51.19	50.19	48.82	50.46	51.37
130	49.81	51.51	50.35	48.86	49.96	51.98
131	49.82	50.39	50.63	48.76	49.61	52.40
132	50.95	49.88	50.08	49.11	49.74	52.48
133	51.87	50.50	50.43	49.11	49.74	52.40
134	51.99	51.56	50.27	48.94	50.23	51.54
135	51.87	51.49	50.15	48.88	50.86	51.05
136	51.93	51.59	50.22	49.66	50.25	50.63
137	52.33	50.43	50.97	50.10	51.92	50.45
138	53.13	50.20	51.71	50.09	52.45	50.94
139	53.89	50.00	51.30	50.22	51.81	51.24
140	51.23	49.69	50.41	50.39	51.41	50.91
141	51.17	49.01	49.80	50.33	51.87	50.05
142	51.54	48.35	49.80	49.59	52.16	49.85
143	52.75	48.35	49.82	49.21	52.19	50.07
144	52.05	48.44	49.90	49.15	51.12	50.15
145	52.26	48.39	49.87	49.41	50.48	50.09
146	51.95	48.68	50.10	49.61	50.11	50.12
147	51.77	48.85	50.14	50.11	50.02	50.20
148	51.73	48.73	50.09	50.29	49.96	50.27
149	51.40	48.56	49.86	50.36	49.99	50.00
150	52.13	48.49	49.85	50.40	49.76	49.77
151	53.32	48.81	50.15	50.85	49.50	49.97
152	51.99	48.71	50.12	50.58	49.46	50.29
153	50.87	48.75	50.21	50.21	49.45	50.38
154	50.02	48.97	50.28	50.25	49.41	50.37
155	50.23	49.52	50.17	50.97	49.58	50.33
156	50.49	50.40	50.11	49.87	49.61	50.26
157	50.55	50.83	50.13	49.64	49.83	50.03
158	50.20	50.21	49.91	49.67	49.90	49.76
159	50.04	50.49	50.36	49.84	50.05	50.23
160	50.01	49.82	50.46	50.73	50.20	50.02
161	49.94	49.82	50.39	51.44	50.66	50.00
162	49.80	49.94	50.67	51.66	50.57	50.09
163	49.34	50.07	50.16	51.46	50.85	49.94
164	49.21	49.74	50.04	51.75	51.66	49.96
165	50.30	49.62	50.06	51.73	52.37	50.06
166	50.03	49.18	50.34	51.97	51.30	50.11
167	49.33	49.15	50.08	52.18	51.24	50.17
168	49.31	49.34	50.01	52.37	51.31	50.29
169	49.31	49.06	50.33	52.59	51.28	50.21
170	49.94	49.44	50.28	52.68	51.48	50.28
171	49.53	49.38	50.48	52.59	51.52	50.38

172	49.25	49.31	50.36	50.83	51.43	50.47
173	49.21	49.78	50.24	50.84	51.68	50.55
174	49.69	49.90	50.38	50.89	52.02	50.61
175	49.62	49.90	50.45	50.84	51.74	50.63
176	49.51	50.73	50.35	50.92	51.36	50.53
177	49.73	50.73	50.35	50.52	51.09	50.67
178	49.93	50.03	50.41	51.68	51.70	50.61
179	49.82	49.90	50.46	53.06	51.95	50.43
180	49.84	49.86	50.53	53.51	51.67	50.51
181	49.93	50.32	51.02	52.18	51.40	50.53
182	49.94	50.44	51.06	51.54	51.22	50.55
183	49.97	50.65	51.36	51.81	51.26	50.55
184	50.15	50.82	51.63	52.04	51.29	50.58
185	50.51	50.93	51.74	52.00	51.45	50.47
186	50.56	51.05	51.90	52.30	51.37	50.66
187	50.25	50.52	51.89	52.27	51.44	50.77
188	50.20	50.49	52.18	52.45	51.60	50.80
189	50.16	50.62	52.15	52.52	51.73	50.10
190	50.22	50.33	52.18	52.76	51.74	50.15
191	50.30	50.43	52.57	52.41	51.65	50.20
192	50.29	50.58	52.21	52.58	51.82	50.24
193	50.28	50.63	51.78	52.27	52.01	50.52
194	50.33	50.54	51.85	52.38	51.97	50.66
195	50.49	50.92	51.76	52.47	52.09	50.64
196	50.58	51.08	51.74	52.62	52.24	50.85
197	50.43	51.13	52.09	52.90	52.18	50.97
198	50.40	51.07	52.21	52.97	52.35	51.12
199	50.41	51.31	52.30	52.35	52.41	51.11
200	50.63	51.14	52.40	52.32	52.16	51.20
201	50.70	51.31	52.51	52.58	52.40	51.29
202	50.55	51.49	52.54	52.69	52.61	51.32
203	50.52	51.54	52.05	52.80	52.72	51.23
204	50.40	51.49	51.41	52.79	52.49	51.38
205	50.78	51.62	51.04	51.05	52.01	51.69
206	50.74	51.37	51.09	50.37	52.13	51.41
207	50.80	51.45	52.20	51.86	52.26	51.53
208	50.89	51.43	52.85	51.87	52.53	51.61
209	50.93	51.17	52.24	52.00	52.58	51.68
210	50.88	51.28	51.41	52.05	52.59	51.69
211	50.86	51.33	51.45	52.11	52.50	51.78
212	50.90	51.28	51.35	52.10	52.44	51.87
213	51.05	51.49	52.13	52.24	51.95	52.08
214	51.08	51.67	52.45	51.86	52.00	51.82

215	51.18	51.55	51.80	51.69	52.11	51.75
216	51.26	51.50	51.80	52.01	52.11	52.13
217	51.29	51.62	52.56	51.93	52.08	52.21
218	51.28	51.23	52.55	50.88	52.15	51.70
219	51.24	50.78	51.84	50.93	52.38	51.62
220	51.37	51.08	51.71	50.92	52.48	51.57
221	51.15	51.28	52.63	51.13	51.96	51.50
222	51.21	51.44	52.56	51.06	51.52	51.96
223	51.32	51.10	51.85	51.10	51.57	51.72
224	51.39	51.51	51.59	51.11	51.41	51.61
225	51.46	51.45	51.35	51.23	51.47	51.69
226	51.51	50.97	51.49	51.28	51.55	51.63
227	51.57	50.50	51.44	51.52	52.24	51.73
228	51.58	49.92	51.61	51.50	52.25	51.75
229	51.56	49.79	51.81	51.64	52.42	51.82
230	51.64	50.11	51.79	51.54	51.85	52.01
231	51.16	49.99	51.71	51.84	52.17	52.31
232	51.04	49.93	51.63	51.88	52.29	52.43
233	51.36	50.33	51.41	51.97	52.09	52.44
234	51.53	49.97	51.40	52.10	51.75	52.58
235	51.63	50.12	51.64	52.08	52.06	52.77
236	51.69	49.83	51.63	51.95	51.66	53.07
237	51.73	50.16	51.87	51.63	51.55	53.11
238	51.62	50.24	52.08	51.48	51.32	52.71
239	51.80	50.02	52.06	51.86	50.49	52.38
240	51.84	50.15	51.86	51.82	49.87	52.32
241	52.06	50.29	51.79	51.94	49.65	52.58
242	52.05	50.38	51.65	51.89	49.96	52.31
243	51.63	50.22	51.60	51.95	50.47	52.37
244	51.63	50.24	51.91	51.83	50.45	52.47
245	51.77	50.67	52.04	51.87	50.24	52.44
246	51.97	50.89	52.19	51.87	50.55	52.43
247	52.01	51.15	52.62	51.88	50.75	52.36
248	51.85	51.09	53.01	51.93	50.16	52.37
249	51.82	51.10	53.04	51.99	49.74	52.71
250	51.77	50.97	53.00	52.06	50.18	52.54
251	52.01	50.89	52.30	52.06	50.81	52.42
252	52.17	50.66	52.26	52.14	51.46	52.30
253	51.90	50.60	52.05	52.19	51.28	52.45
254	52.16	51.01	52.14	52.24	51.44	52.65
255	52.26	50.87	52.14	52.16	51.10	52.67
256	52.18	50.55	52.13	52.45	51.06	52.56
257	52.19	50.43	52.14	52.81	50.93	52.27

258	52.30	50.15	51.97	52.94	51.01	52.30
259	52.33	50.25	51.92	53.03	50.93	52.66
260	52.29	50.54	52.48	53.30	51.16	52.83
261	52.37	50.78	52.45	53.28	51.07	52.72
262	52.34	50.77	52.40	53.48	51.02	52.83
263	52.33	50.89	52.55	53.58	50.84	52.91
264	52.40	50.69	52.47	53.63	50.85	52.85
265	52.43	50.63	52.45	53.61	50.72	52.73
266	52.60	50.83	52.46	53.75	50.80	52.84
267	52.63	50.82	52.23	53.73	50.86	52.88
268	52.80	50.23	52.22	53.87	51.16	52.79
269	52.65	50.30	52.25	53.94	51.34	52.74
270	52.61	49.96	52.59	54.27	51.07	52.65
271	52.47	50.17	53.11	54.29	51.41	52.65
272	53.08	49.99	53.29	54.36	51.66	52.77
273	53.09	49.76	53.44	54.56	51.51	52.88
274	53.07	50.31	53.25	54.67	51.87	52.89
275	53.19	50.29	52.95	54.83	52.43	52.98
276	53.37	50.23	53.05	54.67	52.45	52.94
277	53.19	50.61	52.98	54.00	52.89	52.95
278	53.16	50.59	52.97	53.80	52.57	52.97
279	53.27	50.69	53.03	53.95	52.38	53.02
280	53.41	51.14	53.04	54.07	52.36	53.03
281	53.50	50.50	53.02	54.22	52.29	53.16
282	53.53	50.71	53.27	54.29	52.16	53.23
283	53.60	50.87	53.32	54.28	52.26	53.07
284	53.35	51.16	53.23	54.58	52.58	52.87
285	53.39	51.19	53.28	54.70	52.48	52.89
286	53.61	51.10	53.26	54.92	52.69	52.74
287	53.72	51.28	53.47	55.12	52.72	52.81
288	53.65	51.21	53.74	54.96	52.96	52.64
289	53.53	51.13	53.64	54.98	53.00	52.54
290	53.50	50.83	53.57	54.85	52.89	52.77
291	53.66	50.91	53.67	54.85	52.90	52.85
292	53.82	50.96	53.74	54.85	53.14	52.80
293	53.87	51.35	53.82	54.85	54.19	52.85
294	54.09	51.42	53.84	54.88	54.65	52.88
295	53.97	51.58	53.88	54.97	54.68	52.96
296	53.90	51.53	53.75	54.97	53.52	52.97
297	53.90	51.55	53.85	54.75	53.45	52.85
298	53.84	51.64	53.90	54.62	53.57	53.06
299	53.87	51.63	54.07	54.80	53.85	52.99
300	54.05	51.82	53.98	54.62	53.90	53.15

301	54.14	51.57	54.06	54.59	54.10	53.43
302	54.07	51.65	54.26	55.34	53.96	53.33
303	53.98	51.93	54.17	55.63	53.97	53.04
304	53.60	52.18	54.08	55.35	53.99	52.82
305	53.56	52.06	54.32	55.25	53.86	52.61
306	53.86	52.30	54.58	55.39	53.97	52.66
307	53.96	52.14	54.76	55.18	54.14	52.68
308	53.96	52.27	54.80	55.25	54.27	52.94
309	53.95	52.48	54.94	55.47	54.79	53.00
310	53.90	52.58	54.93	55.66	55.37	53.00
311	53.71	52.53	54.59	55.71	55.64	52.93
312	53.73	52.58	54.57	55.50	55.83	52.87
313	53.73	52.70	54.76	55.54	55.64	52.90
314	53.79	52.78	54.49	55.46	55.72	52.96
315	53.66	52.96	54.27	55.57	55.44	53.03
316	53.81	52.82	54.12	55.62	55.27	53.18
317	53.90	53.10	54.03	55.68	55.14	52.98
318	53.85	51.34	53.94	55.71	55.09	53.00
319	53.96	50.89	53.77	55.69	55.00	52.85
320	53.84	50.78	53.70	55.72	54.92	52.98
321	53.81	50.84	53.86	55.62	54.78	53.22
322	54.22	50.61	53.92	55.41	54.68	53.35
323	54.45	50.66	53.81	55.40	54.75	53.25
324	54.38	51.13	53.86	55.45	54.74	53.39
325	54.24	51.53	53.73	55.46	54.92	53.18
326	54.03	51.56	53.53	55.32	54.76	52.88
327	53.69	51.59	53.63	55.02	54.53	52.71
328	53.46	51.71	53.58	54.59	54.50	52.65
329	53.42	51.82	53.51	54.51	54.27	52.71
330	53.35	51.72	53.39	54.52	53.86	52.66
331	53.53	51.76	53.28	54.37	53.87	52.61
332	53.21	51.83	53.10	54.33	53.91	52.66
333	53.14	51.69	53.27	53.94	54.00	52.82
334	52.95	51.58	53.23	53.81	53.70	52.89
335	52.74	51.47	53.14	53.21	53.49	52.77
336	53.79	51.38	53.02	53.16	53.33	52.77
337	53.51	51.51	52.98	53.27	53.29	52.69
338	53.08	51.12	53.77	53.37	53.36	52.63
339	53.21	51.22	54.43	53.39	53.36	52.70
340	53.10	51.14	54.49	53.32	53.40	52.63
341	52.90	51.42	54.40	53.10	54.01	52.35
342	53.27	52.40	54.27	52.98	54.16	51.86
343	53.35	52.23	54.25	52.71	54.00	51.94

344	53.44	52.21	54.10	52.30	54.00	51.86
345	53.06	52.27	54.06	51.88	54.10	52.14
346	52.97	52.60	53.85	51.49	54.02	52.31
347	52.85	52.26	53.65	51.24	53.80	52.26
348	52.65	52.00	53.46	50.99	53.37	51.72
349	52.80	51.78	53.22	50.89	52.31	51.20
350	52.78	51.76	52.87	50.79	51.87	51.74
351	52.68	52.54	52.65	50.75	52.00	52.21
352	52.30	52.74	52.51	50.73	51.46	52.21
353	51.96	52.72	52.36	50.50	51.03	52.01
354	51.77	52.60	52.49	50.11	50.29	51.86
355	50.93	52.50	52.68	49.85	50.47	51.81
356	50.63	52.43	52.50	49.47	50.32	51.65
357	50.18	52.32	52.21	49.53	50.14	51.59
358	49.93	52.18	51.63	49.19	50.21	51.07
359	49.75	51.90	51.46	49.14	50.58	51.16
360	49.89	51.91	50.98	49.02	50.56	51.35
361	49.79	51.88	50.78	48.96	50.75	51.39
362	49.42	51.65	50.71	48.92	50.08	51.22
363	49.62	51.40	50.90	48.89	50.21	50.41
364	49.35	51.85	51.00	49.05	49.96	50.47
365	49.29	52.02	51.14	49.24	49.75	50.47
366	NaN	NaN	51.19	NaN	NaN	NaN

2004	2005	2006	2007	2008	2009	2010
49.54	49.25	50.46	49.24	48.56	48.71	48.84
49.40	49.63	50.58	49.34	48.57	48.62	48.83
49.87	49.88	50.60	49.17	48.60	48.32	48.78
50.16	49.93	50.85	49.04	48.06	47.92	48.72
49.92	49.96	50.95	48.81	47.37	47.61	48.75
49.98	50.08	51.19	48.50	47.15	47.67	48.75
50.44	50.00	50.95	48.49	47.34	47.86	48.74
50.59	49.77	50.76	48.63	47.64	47.95	48.65
50.28	49.80	50.70	48.65	47.58	48.10	48.57
49.85	49.84	50.54	49.49	47.33	47.97	48.52
50.00	49.67	50.29	49.72	47.41	47.73	48.48
50.05	49.54	50.24	49.34	47.59	47.80	48.55
49.70	49.30	50.00	49.23	47.56	47.55	48.66
49.58	49.13	49.79	49.00	47.32	47.36	49.06
49.61	49.09	49.46	48.88	47.10	47.24	49.24
49.74	49.29	49.44	48.74	46.73	47.18	49.42
49.62	49.46	49.49	48.75	46.59	47.02	49.42
49.55	49.49	49.34	48.74	46.47	47.01	49.32
49.47	49.52	49.00	48.76	46.54	46.85	49.24
49.40	49.54	48.78	48.92	46.57	46.53	48.95
49.16	49.49	48.98	48.97	46.33	46.48	48.63
48.81	49.40	48.85	48.97	46.04	46.52	48.51
48.70	49.38	48.86	48.72	45.88	47.30	48.45
48.80	49.40	48.86	48.79	45.66	48.37	48.37
48.26	49.42	48.73	48.83	45.47	48.78	48.26
48.19	49.31	48.56	48.81	45.47	48.59	48.06
47.86	48.73	48.42	48.77	45.29	48.21	48.01
47.81	48.78	48.24	48.70	45.25	47.94	47.99
48.32	48.74	47.85	48.63	45.23	47.96	48.13
48.69	48.49	47.97	48.63	45.16	48.22	48.10
48.62	48.32	47.94	48.64	44.82	48.42	48.16
48.33	48.40	47.87	48.63	44.69	48.58	48.10
48.15	48.59	48.00	48.49	44.50	48.50	47.83
47.97	48.64	48.19	48.44	44.51	48.47	47.82
47.98	48.48	47.74	48.42	44.65	48.50	47.92
48.26	48.56	47.71	48.56	44.64	48.29	47.88
48.24	48.43	48.01	48.63	45.05	47.98	48.21
48.20	48.46	48.09	48.57	45.32	47.82	48.11
48.12	48.78	48.25	48.47	45.34	47.45	48.12
48.14	48.97	48.07	48.24	45.38	47.27	48.31
48.04	48.92	48.26	48.16	45.36	47.25	48.15
48.12	48.68	48.07	48.28	45.49	47.08	48.05

48.27	48.81	48.00	48.07	45.53	46.87	47.89
48.18	48.91	48.03	48.13	45.55	46.61	48.04
48.29	48.89	48.12	47.95	45.46	46.36	48.07
48.24	48.67	47.78	47.85	45.33	46.24	48.15
47.96	48.71	47.68	48.07	45.20	45.89	48.41
47.62	48.68	47.51	48.22	45.36	45.74	48.47
48.43	48.75	47.17	48.27	45.54	46.07	48.64
48.00	48.92	46.93	48.15	45.32	46.37	48.63
48.08	48.82	46.75	47.92	45.18	46.72	48.64
48.12	48.78	46.73	47.99	45.13	46.72	48.49
48.12	48.84	46.86	47.47	45.14	47.04	48.66
48.16	48.69	46.98	46.66	44.93	47.18	48.70
47.99	48.74	47.08	46.75	45.07	46.97	48.24
48.14	48.89	47.02	47.12	45.39	46.99	48.07
47.92	49.06	46.91	47.18	45.53	46.86	48.25
47.93	48.98	46.92	46.89	46.10	46.95	48.34
47.93	48.67	47.14	46.83	46.13	47.27	48.48
47.95	48.34	46.89	46.86	45.97	47.35	48.72
47.98	48.37	46.77	47.24	46.26	47.53	48.68
48.19	48.38	46.91	47.54	46.38	47.79	48.57
48.14	48.63	47.40	47.93	46.27	47.62	48.60
48.21	48.94	47.30	48.18	45.89	47.57	48.67
48.33	49.23	47.50	48.14	46.11	47.33	48.82
48.42	49.18	47.65	48.28	45.69	47.25	48.94
48.52	49.13	47.58	48.22	45.60	47.40	48.98
48.63	49.14	47.48	48.25	45.80	46.97	48.78
48.47	49.69	47.32	48.39	45.99	47.28	48.87
48.27	49.48	47.41	48.51	46.80	47.65	48.54
48.34	49.49	47.33	49.00	47.23	48.03	48.29
48.29	49.61	47.33	49.40	47.44	47.91	48.30
48.13	49.24	47.15	49.52	47.63	47.97	48.17
48.20	48.88	47.01	50.13	47.48	48.11	48.08
48.37	48.73	46.93	50.24	47.41	48.11	48.40
48.36	48.65	46.97	50.55	47.26	48.09	48.94
48.46	48.60	47.12	50.68	47.01	48.25	49.18
48.47	48.58	47.33	50.80	47.35	48.46	49.20
48.60	48.56	47.24	50.68	47.51	48.47	49.23
48.61	48.51	47.22	50.69	47.74	48.45	49.53
48.87	48.81	47.28	50.28	47.50	48.75	49.93
48.74	48.93	47.26	51.20	47.47	48.46	49.62
48.61	48.95	47.13	51.36	47.55	48.34	49.48
48.65	49.13	47.00	51.29	48.00	48.50	49.68
48.43	49.42	47.08	50.78	48.09	48.64	49.75

48.34	49.51	47.13	50.25	47.74	48.97	49.56
48.77	49.78	46.96	49.98	47.67	48.99	49.45
49.29	49.96	47.04	50.66	47.25	49.25	49.37
49.34	50.12	47.44	51.34	47.15	48.95	49.49
49.37	50.06	47.23	51.68	47.03	48.47	49.09
49.51	49.89	47.14	51.59	47.48	48.59	49.07
49.75	49.89	47.12	51.41	48.07	48.85	48.88
49.69	49.84	47.40	51.29	48.58	48.55	48.78
49.19	49.77	47.57	51.75	48.23	48.28	48.59
49.06	49.55	47.50	51.89	48.24	48.10	48.28
49.11	49.62	47.46	52.25	48.24	48.50	48.38
49.13	50.00	47.51	52.43	47.97	48.45	49.08
48.78	50.05	47.29	51.76	47.58	48.27	49.78
49.02	50.14	47.53	51.96	47.71	47.94	49.94
49.65	49.90	47.59	51.27	47.63	47.88	49.79
50.23	49.67	47.56	51.76	47.83	48.27	49.81
50.49	50.03	48.08	51.55	48.17	48.79	49.46
50.54	50.03	48.26	51.55	48.44	49.19	49.02
50.42	49.96	48.32	52.56	48.44	48.61	49.40
49.93	49.68	47.88	52.02	48.49	48.34	49.67
49.71	49.75	47.87	52.50	47.88	48.65	49.93
49.86	50.40	48.04	53.33	47.79	48.85	50.14
49.95	50.32	48.46	52.05	48.07	48.92	50.54
49.26	50.06	48.81	51.15	48.39	49.05	50.46
48.63	49.99	48.78	51.48	48.41	49.22	50.42
48.59	50.50	48.76	52.33	47.84	49.20	50.53
49.01	50.33	48.75	52.03	47.65	49.32	50.26
49.61	50.24	48.87	51.83	47.74	49.60	50.09
49.69	50.36	48.69	52.77	47.80	49.38	50.69
49.94	49.92	48.87	53.33	48.06	48.70	50.29
49.82	50.50	49.24	52.23	48.39	49.09	49.58
49.85	50.61	49.67	49.77	48.82	48.88	49.43
49.73	50.76	49.78	49.62	48.97	48.60	49.26
49.68	50.45	49.57	49.58	48.98	48.41	49.59
49.45	50.46	49.13	49.65	48.84	48.75	49.93
49.44	50.67	48.95	49.34	48.28	48.77	50.73
49.58	50.66	49.08	49.11	48.50	48.65	51.11
49.58	50.77	49.54	49.83	48.96	49.23	50.25
49.72	50.59	49.38	50.44	48.92	49.77	49.72
49.75	50.23	49.43	50.64	49.13	49.93	49.87
49.54	49.99	49.65	50.91	49.15	50.67	49.49
49.20	49.80	49.94	51.29	49.30	50.04	49.66
48.98	49.84	49.19	50.40	49.20	49.94	49.96

49.01	50.26	49.08	49.74	49.19	49.99	50.84
49.20	50.37	48.98	49.83	49.24	50.11	50.76
49.23	50.12	49.09	49.76	49.17	50.00	50.49
49.05	50.92	49.54	49.60	49.40	49.84	51.21
49.21	50.74	49.44	49.77	49.40	50.04	51.54
49.41	50.92	49.63	49.60	49.59	50.08	51.68
49.36	50.90	49.64	49.69	49.72	50.43	51.60
49.44	51.10	49.50	49.80	49.74	50.24	51.66
49.54	50.30	49.67	49.86	50.19	50.18	51.39
49.53	50.47	49.68	49.95	50.23	50.17	50.95
49.46	51.29	49.32	49.90	50.06	50.30	50.93
49.31	51.66	49.36	49.71	50.09	50.27	50.67
49.75	51.88	49.29	49.76	50.03	50.40	50.93
49.70	51.96	49.35	49.33	49.81	50.34	50.67
49.48	51.53	49.28	49.41	50.31	50.34	50.57
49.51	50.26	49.46	49.44	50.10	50.48	51.53
49.83	51.30	49.64	49.53	49.74	50.68	51.38
49.85	51.17	49.68	49.68	49.56	50.84	52.21
49.65	50.71	49.65	49.84	50.16	50.81	52.31
49.74	50.39	49.64	49.97	50.24	50.73	52.62
49.64	49.89	49.85	49.86	50.52	50.75	53.39
49.77	50.20	49.74	49.48	50.58	50.96	53.94
49.89	50.24	49.56	49.89	50.80	51.08	54.09
49.88	50.23	49.48	50.15	51.04	50.89	51.51
49.99	50.21	49.59	50.25	51.07	50.72	50.07
50.20	50.33	49.67	49.97	51.48	51.02	50.09
50.19	50.31	49.91	49.86	51.88	51.24	50.19
50.30	50.38	49.93	49.84	51.65	50.71	50.29
50.32	50.15	50.08	49.94	52.03	50.40	50.66
50.33	50.06	50.06	50.10	52.11	51.03	50.60
50.20	50.18	49.89	50.29	52.11	51.23	50.68
50.14	50.17	50.06	50.36	52.35	51.28	50.72
50.22	50.62	49.95	50.49	52.55	51.34	49.93
50.36	50.63	49.92	50.63	52.57	51.13	49.67
50.59	50.61	50.04	50.75	52.75	51.17	49.86
50.72	50.56	49.89	50.90	52.78	51.50	49.80
50.72	50.70	49.70	50.74	53.25	51.64	49.90
50.89	50.86	50.48	51.02	52.86	51.65	50.05
51.03	50.62	50.83	50.95	53.06	51.87	49.99
50.93	50.07	50.27	51.34	53.24	51.94	50.32
51.00	50.38	50.25	52.10	53.37	51.94	49.71
51.47	50.78	50.16	51.52	53.46	52.15	49.91
51.74	51.17	50.11	51.76	53.57	52.00	50.03

51.82	51.08	49.93	51.82	53.89	51.95	50.27
51.77	51.05	49.86	51.82	53.77	52.31	50.12
51.57	51.23	50.02	51.00	53.83	52.42	49.98
51.75	51.14	50.04	50.93	53.84	52.33	49.91
51.95	51.09	50.09	51.13	54.23	52.65	50.04
51.94	51.31	50.10	51.45	54.34	52.83	50.34
51.98	51.40	50.20	51.47	54.56	52.82	50.34
51.94	50.98	50.06	51.67	55.01	52.87	50.32
51.98	50.85	50.09	51.86	54.15	53.03	50.41
51.88	50.79	50.35	51.80	54.29	53.23	50.37
51.82	50.85	50.33	52.09	54.56	53.32	50.36
51.70	50.94	50.47	52.07	54.49	53.44	50.33
51.84	51.06	50.48	51.93	53.80	53.63	50.33
51.44	51.04	50.49	52.02	53.98	53.83	50.42
51.56	51.18	50.45	52.26	54.02	54.04	50.60
51.79	51.20	50.56	52.48	54.16	54.17	50.64
51.73	51.11	50.67	52.57	54.40	53.57	50.61
51.80	50.89	50.71	52.79	53.98	53.45	50.63
52.13	51.08	50.77	53.03	53.62	53.46	50.74
52.35	51.05	50.93	52.99	53.55	53.69	50.72
52.22	51.17	50.91	53.23	53.50	53.88	50.85
52.41	51.10	50.96	52.88	53.68	54.02	50.87
52.33	51.34	50.98	53.09	53.71	53.97	50.86
52.61	51.44	51.10	53.31	53.86	53.42	50.89
52.65	51.54	51.07	53.46	54.09	53.93	50.81
52.77	51.55	51.20	53.68	54.31	53.49	50.86
52.63	51.46	51.34	53.76	53.24	53.10	50.92
52.45	51.48	51.38	53.34	52.88	53.11	50.84
52.44	51.63	50.77	53.20	52.83	53.55	50.82
52.50	51.96	50.74	53.49	53.14	52.98	50.74
52.62	51.20	50.63	53.81	52.98	52.20	50.86
52.81	50.65	50.73	54.03	53.29	52.18	50.91
51.89	50.85	51.20	53.41	53.64	51.97	50.93
51.90	50.99	51.20	53.48	53.53	52.21	50.96
51.97	50.96	51.33	52.36	53.74	52.26	51.08
51.99	51.10	51.19	51.91	53.72	52.31	51.15
52.15	51.24	51.39	51.99	53.65	52.74	51.20
52.17	51.25	51.43	52.15	53.53	52.72	51.39
52.43	51.31	51.41	52.07	53.66	52.67	51.14
52.47	51.43	51.47	52.19	53.80	52.69	51.16
52.42	51.48	51.55	52.25	53.86	52.98	51.22
51.60	51.63	51.59	52.26	54.05	52.80	51.41
51.43	51.53	51.84	52.53	53.58	53.07	51.41

51.52	51.58	51.74	52.89	53.38	53.10	51.42
51.57	51.75	51.84	52.97	53.45	52.99	51.63
52.45	51.87	51.86	53.09	53.39	53.14	51.68
52.94	52.03	52.02	53.06	53.28	53.04	51.71
51.91	52.05	52.30	53.23	53.77	53.11	51.89
51.64	52.01	51.50	52.97	53.01	53.28	51.87
51.88	52.19	51.17	52.79	52.83	53.55	52.09
52.09	52.51	51.34	52.38	53.23	53.53	52.19
52.12	52.65	51.35	52.26	53.80	53.74	51.58
51.64	52.76	51.46	52.18	53.39	52.96	51.71
51.44	52.96	51.45	52.47	53.82	51.92	51.65
51.80	52.52	51.47	52.17	53.93	52.58	51.82
51.79	52.82	51.69	52.11	53.69	52.52	52.03
51.80	52.88	51.76	52.47	53.60	52.40	52.05
51.83	53.00	51.21	52.72	53.72	52.64	51.59
51.51	52.58	50.72	52.02	53.77	52.98	51.08
51.30	52.41	50.84	51.58	54.01	52.95	51.00
51.09	52.40	50.87	51.49	54.16	53.11	51.09
51.25	52.72	50.85	51.86	53.95	53.24	51.10
51.47	52.84	50.90	51.97	53.56	53.25	51.17
51.87	52.83	50.97	51.93	53.75	53.34	51.23
51.76	52.92	51.05	51.98	53.99	53.47	51.10
51.96	52.94	51.23	52.23	54.41	53.75	51.21
52.63	52.89	51.26	52.23	54.61	53.70	51.35
52.22	53.04	51.44	52.28	54.14	53.87	51.50
52.01	52.99	51.30	52.36	53.71	53.77	51.48
52.40	53.41	51.62	52.41	53.61	53.53	51.14
52.42	53.28	51.66	52.51	53.83	53.21	51.17
52.75	52.80	51.34	52.95	53.90	53.49	51.44
52.89	52.50	51.43	53.19	54.17	53.45	51.69
53.18	52.66	51.60	52.81	54.25	53.26	51.58
53.65	52.74	51.40	52.26	54.39	52.43	51.77
53.32	52.78	51.53	52.53	54.29	52.82	51.78
53.00	52.87	51.51	52.83	53.31	53.28	51.84
53.53	53.01	51.67	52.75	53.28	53.38	51.65
53.68	53.15	51.93	52.63	53.27	53.38	51.44
53.92	53.16	51.86	52.38	53.37	53.36	51.38
54.13	53.20	51.48	52.39	53.71	53.60	50.60
53.66	53.39	51.35	52.66	53.92	53.58	51.07
53.89	53.09	51.24	52.95	54.01	53.61	50.76
54.00	53.35	51.33	53.07	54.13	53.57	50.67
54.23	53.44	51.41	53.38	54.32	53.55	51.10
54.41	53.42	51.52	53.26	54.45	53.72	51.72

54.51	53.41	51.25	53.70	54.55	53.99	52.06
54.72	53.68	51.16	53.95	54.78	54.21	52.06
54.79	53.50	51.32	55.64	54.95	54.29	52.09
55.01	53.59	51.24	55.39	55.18	54.52	51.73
54.81	53.73	51.23	54.37	55.24	54.63	51.23
54.90	54.16	51.44	54.07	55.16	55.10	51.08
55.04	54.27	51.38	54.49	55.24	55.10	51.17
55.31	54.16	51.33	54.46	55.56	54.81	51.26
55.41	54.09	51.41	54.58	55.76	54.57	51.63
55.72	53.57	51.28	55.04	55.80	54.59	51.52
55.97	53.56	51.40	54.61	55.92	54.67	51.60
55.97	53.75	51.44	53.54	56.15	54.79	51.58
56.02	53.74	51.59	53.62	56.34	54.77	51.53
56.03	54.18	51.61	53.64	56.60	54.66	51.82
55.82	54.21	51.62	53.53	56.70	54.84	51.78
55.64	54.15	51.62	53.71	56.66	54.69	51.75
55.88	54.20	51.56	54.01	56.84	54.42	51.82
55.81	54.09	51.37	54.18	56.96	54.33	52.12
55.81	54.17	51.27	54.43	56.90	54.39	52.15
55.77	54.16	51.39	54.35	56.75	54.27	52.01
55.72	54.43	51.18	54.34	56.76	54.25	52.17
55.54	54.61	51.54	54.37	57.00	54.37	51.96
55.54	54.68	51.58	54.66	57.06	54.58	52.01
55.58	54.73	51.74	54.82	57.34	54.88	52.01
55.62	54.78	51.89	54.85	57.63	55.03	52.19
55.50	54.75	51.93	54.94	57.33	55.19	52.53
55.56	54.85	51.88	54.77	56.95	55.07	53.10
55.65	54.92	51.96	53.81	57.00	55.06	52.86
55.51	55.29	51.91	53.46	57.05	54.62	52.23
55.63	55.06	52.12	54.73	57.49	54.98	51.83
55.54	55.27	52.24	55.36	57.62	55.42	51.76
55.74	55.26	52.34	55.31	57.79	56.29	51.81
55.89	55.38	52.36	55.20	57.78	56.78	51.74
55.41	55.62	52.33	55.38	57.82	56.70	51.68
55.03	55.56	52.43	55.76	57.54	56.44	51.56
54.84	55.66	52.56	55.57	57.39	56.38	51.47
55.19	55.76	52.68	55.59	57.53	56.44	51.73
56.46	55.67	52.71	55.98	57.68	56.90	51.60
56.98	55.68	52.80	56.22	57.47	57.07	51.24
56.57	55.87	52.77	56.16	57.45	57.35	51.03
55.88	55.91	52.83	56.26	57.62	56.86	51.10
55.80	56.05	52.76	56.14	57.66	56.98	51.18
56.10	55.87	52.71	56.03	57.75	57.19	51.31

55.81	55.69	52.81	56.10	57.73	56.75	51.22
55.73	55.87	52.88	56.19	57.72	56.85	51.13
55.85	55.87	52.95	56.40	57.76	56.96	51.25
55.98	56.18	52.99	56.47	57.92	57.29	51.43
56.22	56.02	53.00	56.49	58.04	57.61	51.49
56.65	55.89	53.00	56.49	58.04	57.65	52.05
56.45	55.76	53.22	56.53	57.88	57.66	51.85
56.41	55.73	53.23	56.53	57.65	57.37	51.64
56.13	55.75	53.62	56.45	57.51	57.43	51.61
56.73	55.72	53.75	56.37	57.00	57.43	51.42
56.48	55.92	53.77	56.45	56.89	57.42	51.46
56.46	55.60	53.79	56.44	57.53	57.30	51.84
56.48	55.60	52.89	56.42	57.65	57.11	51.00
56.37	55.84	52.42	56.44	57.40	57.21	50.78
56.23	56.00	52.44	56.36	57.01	57.22	50.75
56.05	55.85	52.27	56.24	56.60	57.27	50.75
55.97	55.47	52.10	56.18	56.70	56.92	50.82
55.98	55.57	52.53	56.31	57.01	56.81	50.97
55.55	55.51	52.28	56.29	56.72	56.55	51.23
55.88	55.23	51.86	56.35	56.50	56.35	51.22
56.07	55.23	52.22	56.28	56.42	56.19	51.19
56.14	55.00	52.36	56.20	56.29	56.12	51.10
56.08	54.93	52.63	56.12	56.21	55.83	51.18
55.90	54.90	52.62	55.80	55.90	55.68	51.06
55.43	54.91	52.49	55.38	55.60	55.54	50.93
55.07	54.83	52.35	55.41	55.54	55.65	50.92
55.21	54.68	52.09	55.08	55.29	55.66	51.11
55.17	54.38	51.97	55.03	55.30	55.70	50.79
55.27	54.33	52.00	55.11	55.60	55.51	50.75
55.25	54.28	52.04	54.95	55.69	55.41	51.00
55.10	54.05	51.83	54.73	55.73	55.32	51.00
54.88	53.66	51.68	54.64	55.67	54.84	50.95
54.66	53.38	51.62	54.30	55.51	54.56	50.93
54.47	53.19	51.77	54.11	55.42	54.38	51.01
54.24	53.01	51.97	53.74	55.20	54.31	51.20
54.14	52.71	52.10	53.92	55.16	54.19	51.26
53.98	52.65	52.15	53.79	55.09	53.98	51.16
53.81	52.60	52.54	53.76	54.84	53.69	51.25
53.72	52.62	52.25	53.83	54.53	53.34	51.36
53.79	52.58	52.05	53.78	54.26	52.92	51.39
53.47	52.41	52.11	53.63	54.11	52.42	51.41
53.00	52.32	52.05	53.14	54.01	51.99	51.43
52.45	52.43	52.04	52.64	53.91	51.75	51.54

52.52	52.55	52.07	52.33	53.36	51.45	51.49
52.66	52.38	51.96	52.21	53.22	51.39	51.43
52.83	52.08	51.48	52.06	53.10	51.25	51.40
52.83	51.79	51.49	51.96	53.16	51.38	51.18
52.77	51.54	51.65	51.70	52.98	51.51	52.40
52.66	51.33	51.60	51.58	52.55	51.57	53.26
52.40	51.19	51.28	51.48	52.15	51.36	53.20
52.03	51.19	50.94	51.26	51.85	51.10	53.17
51.69	51.05	50.89	50.96	51.55	50.94	53.14
51.58	50.69	50.58	50.26	51.37	50.81	53.01
51.42	50.49	50.48	50.31	51.25	50.75	52.61
51.24	50.48	50.42	50.19	51.09	50.61	52.23
51.13	50.59	50.13	49.92	50.93	50.16	52.14
50.93	50.70	50.00	49.98	50.83	49.71	52.10
50.81	50.44	50.09	50.10	50.72	49.48	52.41
51.23	50.12	50.01	49.96	50.43	49.33	52.33
52.05	50.12	49.78	49.50	50.15	49.32	51.71
52.21	50.29	49.32	49.25	49.84	49.47	51.50
51.33	49.71	48.95	48.98	49.56	49.37	51.53
50.31	50.86	48.98	48.81	49.38	49.10	51.11
49.56	50.69	48.97	48.83	49.40	48.95	50.92
49.50	50.10	49.06	48.72	49.04	48.85	50.90
49.38 NaN	NaN	NaN		48.98 NaN	NaN	

2011	2012	2013	2014	2015	2016	2017
50.91	50.84	48.11	50.76	50.57	50.25	49.25
50.90	50.85	47.83	50.60	50.74	49.97	48.82
50.99	50.88	47.70	50.44	50.83	49.92	48.45
50.79	50.80	47.69	50.26	50.93	49.86	48.17
50.59	50.78	47.88	50.03	50.92	49.81	48.04
50.54	50.78	48.16	49.69	50.89	49.60	47.94
50.26	50.62	48.25	49.76	50.81	49.31	48.15
49.97	50.44	48.45	49.80	50.97	49.25	48.34
49.73	50.34	48.58	49.73	51.13	49.19	48.33
49.69	50.33	48.42	49.57	51.15	49.14	47.97
49.70	50.27	48.36	49.44	51.16	49.19	48.00
49.58	50.12	48.14	49.31	51.11	48.95	48.76
49.54	50.04	47.69	49.19	50.95	48.83	49.50
49.55	49.92	47.44	49.00	50.80	48.59	49.40
49.47	49.79	47.67	49.00	50.64	48.22	49.19
49.62	49.44	47.89	49.24	50.60	48.23	49.08
49.34	49.18	48.07	49.37	50.65	48.37	48.90
49.24	49.26	47.99	49.41	50.74	48.51	48.57
49.22	49.22	48.11	49.41	50.74	48.80	48.11
49.43	48.65	47.86	49.21	50.65	49.09	47.91
49.62	48.54	47.62	48.89	50.52	48.59	48.03
49.75	48.58	47.10	48.67	50.39	48.35	47.72
49.68	48.46	47.25	48.61	50.44	48.67	47.87
49.60	48.49	47.42	48.68	50.53	49.01	47.90
49.60	48.66	47.48	48.86	50.50	49.18	47.82
49.50	49.00	47.60	49.15	50.68	48.77	47.83
49.48	49.03	47.23	49.14	50.80	48.64	47.77
49.40	48.85	47.04	49.07	50.78	48.19	47.71
49.19	48.67	46.66	48.98	50.65	48.08	47.39
49.12	48.73	46.83	48.98	50.58	48.08	47.26
48.97	48.74	46.61	48.69	50.57	47.77	47.20
48.98	48.81	47.22	48.37	50.50	47.52	47.12
48.98	48.83	47.63	48.13	50.66	47.65	46.97
48.87	48.72	48.00	48.06	50.66	47.63	47.04
48.99	48.51	47.98	47.99	50.70	47.65	46.87
49.17	48.54	47.95	47.86	50.67	47.45	46.82
49.41	48.54	47.71	47.85	50.73	47.55	46.89
49.40	48.50	47.66	47.89	50.76	47.80	47.41
49.07	48.54	47.89	47.89	50.87	48.02	46.95
48.78	48.61	47.57	47.83	51.41	47.93	47.47
48.81	48.61	47.44	47.77	51.66	47.87	47.56
48.94	48.17	47.58	47.96	51.18	47.65	47.38

48.82	47.98	47.71	48.15	51.20	47.59	47.36
48.79	47.88	47.80	48.25	51.04	47.64	47.11
48.56	47.75	47.99	48.19	51.04	47.65	46.79
48.22	47.74	47.99	48.15	51.21	47.86	46.90
47.90	47.73	48.05	48.28	50.93	47.72	47.24
47.38	47.79	48.17	48.09	50.66	47.59	47.11
47.06	47.89	47.86	47.95	50.73	47.47	47.39
46.90	47.82	47.42	47.97	50.76	47.65	47.09
47.12	47.80	47.41	48.21	50.88	48.12	47.33
47.53	47.83	47.21	48.70	50.85	48.02	47.10
47.56	47.90	47.19	48.98	50.71	48.11	47.08
47.71	48.20	47.47	49.22	50.35	48.31	47.11
47.42	47.90	47.57	49.52	50.28	48.61	47.21
47.63	48.06	47.44	49.71	50.63	48.83	47.30
47.43	47.96	47.67	49.83	50.88	48.93	47.32
47.13	47.71	47.60	49.90	50.96	48.88	47.31
47.25	47.36	47.84	49.82	50.92	48.72	47.32
47.29	47.45	47.98	49.81	50.82	48.64	47.42
47.43	47.48	47.86	49.75	50.47	48.72	47.53
47.72	47.30	47.85	49.75	50.57	48.77	47.59
47.96	47.37	47.84	49.88	50.68	48.78	47.57
48.15	47.59	47.84	49.82	50.55	49.00	47.29
48.18	47.86	47.70	49.72	50.73	49.03	47.10
48.36	48.15	47.48	49.98	50.75	49.48	47.01
48.45	47.87	47.18	50.07	50.85	49.58	47.10
48.43	47.63	47.20	50.20	51.10	49.22	47.08
48.49	47.99	47.62	50.35	51.04	49.15	47.22
48.57	48.15	47.75	50.51	50.76	49.04	47.29
48.51	48.09	47.80	49.96	50.77	49.29	47.35
48.35	48.18	47.85	49.98	50.50	49.48	47.38
48.40	48.01	47.74	50.17	50.82	49.77	47.36
48.28	47.60	47.85	50.82	50.71	50.03	47.32
48.01	47.67	47.92	51.04	50.48	50.28	47.17
47.92	47.76	47.82	51.46	50.37	50.64	47.34
47.71	47.94	47.87	51.29	50.87	50.78	47.33
47.47	48.04	47.69	51.17	50.82	50.31	47.34
47.46	47.96	47.49	51.51	50.82	49.95	47.34
47.62	48.12	48.05	51.70	50.76	49.54	47.47
47.57	47.95	48.22	51.62	50.84	49.03	47.72
47.76	47.85	48.73	51.48	50.85	48.91	47.69
47.59	48.05	49.60	51.54	50.53	49.24	47.81
47.44	48.29	49.99	51.38	50.83	49.85	47.75
47.57	48.15	50.30	50.86	50.70	50.06	48.55

47.60	47.94	50.42	50.57	50.95	50.38	48.51
47.65	47.71	50.15	50.55	51.86	50.92	49.05
47.74	47.60	50.20	50.56	51.63	50.78	49.39
47.98	47.80	50.50	50.12	51.39	50.56	49.87
48.29	48.00	50.88	50.16	51.74	51.01	50.48
48.47	48.08	50.82	49.99	51.71	51.29	50.89
48.69	48.51	50.90	49.78	51.37	51.39	51.03
49.02	48.71	50.87	49.91	50.87	51.65	50.97
49.01	48.88	51.12	50.26	50.95	51.65	50.96
48.83	48.95	50.75	50.15	50.82	51.81	50.69
48.95	49.04	50.62	50.65	50.72	51.57	50.49
48.36	49.08	50.32	50.88	50.29	51.85	50.10
48.46	49.19	50.18	50.91	49.92	52.81	49.29
49.11	49.41	49.94	50.98	50.11	52.98	49.93
49.21	49.52	51.29	51.39	50.51	52.44	50.16
49.13	49.63	51.96	51.89	51.15	51.96	50.27
49.20	49.43	51.99	51.95	51.63	51.32	50.24
49.66	49.35	52.68	52.51	51.50	51.08	49.46
49.17	49.34	52.58	52.57	51.78	51.36	49.64
49.19	49.29	52.17	52.29	51.82	51.46	50.01
49.61	49.34	52.05	52.15	51.53	51.63	50.02
50.28	49.60	52.19	52.32	51.53	51.66	49.65
50.65	50.30	52.49	52.54	52.35	52.09	49.82
50.24	50.44	52.79	51.93	52.45	52.73	49.70
50.06	50.48	52.89	52.02	52.40	53.13	49.82
50.47	50.61	53.07	51.46	52.49	53.16	50.12
50.76	51.18	53.50	51.42	52.98	53.24	50.24
51.32	51.58	53.18	50.94	52.80	52.98	50.11
51.51	51.38	52.41	51.07	52.51	52.04	49.82
51.22	51.24	52.40	51.17	52.15	52.52	49.78
50.27	50.58	52.48	50.95	51.99	52.66	50.37
50.00	50.43	52.53	51.01	52.54	52.80	50.69
51.10	50.43	52.50	51.46	52.75	53.60	51.57
51.21	50.27	53.09	51.73	52.89	53.64	52.00
50.93	50.95	52.23	51.99	53.04	53.68	52.71
51.60	51.86	51.75	51.97	53.32	53.96	52.82
52.49	51.91	51.85	51.86	53.18	54.36	52.99
52.56	51.66	51.90	51.86	52.91	54.56	52.80
52.45	51.66	51.68	51.94	53.16	54.44	51.73
53.27	51.31	52.07	51.61	53.13	53.88	51.95
53.15	51.20	51.54	51.55	53.22	53.99	52.14
51.91	52.11	51.25	52.07	53.31	54.25	51.34
50.80	53.39	51.35	52.11	53.79	53.40	51.94

50.56	53.10	52.02	51.66	53.74	53.05	51.86
51.33	51.54	52.28	51.82	53.38	53.29	51.82
51.57	50.75	52.26	51.96	53.30	54.10	51.53
51.07	51.44	52.16	53.12	53.55	52.89	51.17
51.20	51.57	52.09	53.25	53.52	52.87	51.18
51.07	51.03	52.41	53.10	53.69	52.72	51.45
50.40	50.95	52.43	52.97	54.12	52.78	52.18
49.87	50.73	52.07	52.95	53.45	52.71	51.84
50.20	50.87	51.88	53.20	53.96	52.64	50.95
51.37	50.65	52.42	53.33	54.02	52.65	51.73
52.17	50.58	52.30	53.07	54.09	51.71	51.45
53.21	51.05	52.29	53.07	54.37	51.83	50.85
53.01	50.90	52.10	53.51	53.86	51.33	50.57
51.92	50.86	51.34	53.62	53.94	50.82	50.66
51.69	50.64	52.17	53.81	53.77	50.62	50.77
51.81	50.63	52.80	53.89	54.48	50.95	50.76
51.73	50.76	52.75	54.06	54.22	51.62	50.98
50.65	50.81	52.55	54.13	54.32	51.84	50.99
50.98	50.77	52.24	54.33	54.74	52.14	51.01
51.45	50.86	51.98	54.18	54.34	52.13	51.39
51.74	51.06	52.56	54.30	54.38	52.04	51.18
52.59	51.24	52.76	54.69	54.42	51.99	51.21
51.40	50.91	52.63	54.73	54.37	52.41	51.03
51.29	50.28	52.72	54.90	54.33	52.54	51.38
51.85	50.29	53.01	55.37	54.43	52.48	51.36
51.80	50.60	53.08	54.80	54.95	52.45	51.19
51.78	50.43	52.94	54.58	55.10	52.50	51.33
51.91	50.22	53.10	54.63	55.03	52.19	51.36
51.71	49.81	53.40	54.96	55.16	51.45	51.43
52.24	50.34	52.09	54.49	55.38	51.36	51.38
52.70	50.29	52.24	54.12	55.49	51.19	51.20
51.38	50.29	52.41	53.91	55.75	51.22	51.17
50.11	50.56	52.18	54.10	55.52	51.05	51.33
49.88	50.68	51.85	53.86	55.95	51.46	51.38
49.92	50.64	52.22	54.13	55.94	51.34	51.36
50.18	50.88	51.89	54.25	56.25	51.13	51.60
50.16	50.11	52.04	54.55	56.04	51.01	51.84
49.44	49.71	52.00	54.55	56.06	51.26	52.30
49.21	49.77	51.23	54.44	56.48	50.99	51.81
49.25	49.67	51.59	54.34	56.71	51.23	51.77
49.19	49.68	51.78	53.92	56.23	51.37	51.41
49.41	49.80	51.51	54.07	55.48	51.19	51.32
49.46	49.88	51.71	53.79	55.64	51.78	50.89

49.50	49.85	52.12	54.49	55.85	51.91	50.99
49.26	49.70	52.02	54.57	55.75	52.05	50.96
49.39	49.65	51.30	55.36	56.00	51.92	50.84
49.48	50.30	51.33	54.87	56.43	51.61	50.87
49.43	50.98	51.17	55.27	55.97	51.56	51.02
49.39	51.21	51.34	54.43	55.40	51.71	50.91
49.47	51.39	51.83	54.55	55.25	51.66	51.16
49.64	51.78	52.25	54.60	55.19	51.43	51.39
49.13	51.95	52.18	54.94	55.13	51.01	51.19
49.52	51.88	52.28	55.16	55.55	51.08	51.13
49.63	51.89	52.47	54.28	55.74	51.09	51.23
49.56	50.52	52.64	54.33	55.88	50.93	51.23
49.64	50.57	52.80	54.70	56.03	51.02	51.38
49.78	50.54	52.76	54.37	55.87	51.19	51.30
49.76	50.67	52.95	54.46	55.86	51.32	51.33
49.75	50.66	53.17	54.36	55.87	51.17	51.30
49.80	50.55	53.35	54.11	56.20	51.32	51.35
49.94	50.87	53.50	54.23	56.32	51.27	51.21
49.96	50.78	53.62	53.93	55.48	51.73	51.30
49.93	51.11	53.74	54.05	54.24	51.32	51.27
49.84	50.92	53.86	53.99	54.34	51.55	51.37
49.82	50.88	54.10	53.76	55.12	51.87	51.46
49.60	51.05	54.25	53.94	55.15	51.43	51.61
49.77	51.06	54.49	54.29	55.48	51.38	51.65
49.49	51.27	54.54	53.93	55.84	51.64	51.58
49.56	51.27	54.12	53.80	55.83	51.74	51.63
49.61	51.28	53.90	54.00	55.08	51.92	51.64
49.43	51.19	54.11	54.06	55.05	51.86	51.82
49.64	51.36	54.17	54.39	55.19	51.98	51.90
50.05	51.56	53.79	54.82	55.43	52.05	51.74
50.27	51.65	53.60	54.78	54.99	51.92	51.52
50.27	51.92	54.04	54.26	55.42	51.50	51.56
50.30	52.06	53.92	53.76	55.06	51.60	51.40
50.31	52.17	53.87	54.12	54.99	51.61	51.50
50.34	51.65	53.35	53.97	55.01	51.58	51.54
50.35	51.36	53.35	54.06	54.90	51.58	51.47
50.40	51.66	53.53	54.30	55.20	51.86	51.68
50.51	51.61	53.71	54.12	55.25	51.76	51.95
50.56	51.65	53.46	54.60	55.09	51.60	51.45
50.65	51.77	52.25	54.82	55.31	51.71	51.23
50.60	52.08	52.41	54.63	55.13	51.78	51.03
50.69	52.13	52.67	54.35	54.82	52.05	51.09
50.76	52.35	52.76	54.54	54.81	51.98	51.14

50.80	52.54	52.63	54.64	54.47	52.06	51.32
50.80	52.32	52.35	54.59	54.78	52.07	51.27
50.84	52.22	52.82	54.54	54.47	51.96	51.59
50.99	52.33	52.58	54.40	55.27	51.95	51.66
51.05	52.62	52.69	54.91	55.98	52.17	51.69
51.05	52.39	52.83	55.25	55.83	52.19	51.78
51.39	52.60	52.67	55.10	55.65	52.24	51.78
51.38	52.04	52.63	54.36	55.35	52.58	51.78
51.39	52.10	52.61	54.49	54.38	52.27	52.05
51.05	52.25	52.82	54.79	54.01	51.98	52.08
51.06	52.27	53.11	54.67	54.54	52.25	52.11
51.03	52.42	53.37	54.81	54.61	52.09	52.22
50.99	52.18	53.42	54.82	54.95	51.99	52.09
51.01	51.71	53.51	54.89	55.40	52.07	51.95
50.96	51.61	53.27	55.29	55.58	52.11	51.97
51.07	51.85	53.14	55.26	55.47	52.25	52.11
51.21	51.95	53.00	55.09	55.67	52.18	52.16
51.12	52.05	53.06	54.77	55.55	52.01	52.02
51.12	51.04	52.98	55.02	55.78	51.64	52.00
51.23	50.70	53.15	54.94	55.83	51.56	51.85
51.34	50.65	52.90	55.25	56.28	51.58	52.01
51.45	50.84	52.89	54.85	57.08	51.84	51.87
51.45	50.81	52.68	54.99	56.60	51.76	51.87
51.43	50.77	52.81	55.16	56.01	51.64	51.70
51.67	50.73	53.37	54.83	55.67	51.31	51.73
51.62	50.65	52.65	54.16	55.61	51.46	51.74
51.55	50.61	52.18	54.14	55.39	51.43	51.80
51.66	51.00	52.50	54.51	55.69	51.37	51.86
51.90	50.98	52.98	54.47	55.49	51.36	51.99
52.03	51.08	52.90	54.60	55.18	51.47	51.57
51.71	51.08	52.72	54.64	54.74	51.58	51.68
51.47	51.06	53.11	55.05	54.87	51.62	51.77
51.63	51.05	52.85	55.06	54.69	51.62	51.62
51.68	51.19	52.63	55.28	54.62	51.60	51.57
51.69	51.04	52.77	55.43	54.45	51.67	52.03
51.63	51.32	52.49	55.80	54.82	51.15	52.21
51.78	51.54	52.54	56.06	55.13	50.75	51.14
52.07	51.50	52.87	56.24	55.45	50.97	50.52
52.04	51.55	52.90	56.73	55.32	51.72	50.82
51.97	51.45	53.05	56.21	55.07	51.55	50.83
51.73	51.37	52.91	56.69	54.85	51.47	51.11
51.87	51.30	51.92	56.67	55.45	51.86	51.26
51.96	51.57	52.23	56.88	55.30	51.73	51.20

51.97	51.70	52.87	57.36	54.91	51.75	51.20
51.89	51.84	52.97	57.77	54.73	51.91	50.86
52.04	51.96	53.17	57.64	55.00	51.82	50.88
51.44	51.89	52.73	58.03	55.78	51.87	51.29
50.86	52.02	52.07	58.30	55.86	50.88	50.97
50.93	52.06	52.47	58.53	55.94	51.29	50.97
50.99	51.89	52.75	58.77	55.95	51.37	50.89
51.06	51.78	52.61	58.80	56.07	51.51	50.77
51.10	51.74	53.12	59.09	55.90	51.03	50.87
50.61	51.18	53.31	59.20	55.77	51.05	50.90
50.87	51.49	53.12	59.00	55.92	50.92	51.11
50.81	51.10	53.34	58.98	56.06	51.45	51.41
50.60	51.05	53.21	59.21	55.60	51.31	51.21
50.68	51.35	53.06	59.48	55.62	51.79	51.41
50.93	51.54	53.11	59.91	55.55	51.92	51.30
51.04	51.63	53.21	60.52	55.66	51.92	51.31
50.97	51.66	53.89	60.31	55.64	51.81	51.38
50.68	51.53	53.85	60.13	55.92	51.51	51.21
50.76	51.65	53.61	60.43	56.12	51.45	51.20
50.61	51.82	53.50	60.68	56.25	50.95	51.32
50.49	51.75	53.56	61.16	56.49	50.93	51.79
50.88	51.70	54.02	61.23	56.00	51.36	51.84
51.15	51.67	54.05	61.28	56.15	51.55	52.08
51.03	51.66	54.10	61.59	56.19	52.16	52.15
51.18	51.41	54.26	61.18	56.47	52.20	51.77
51.21	51.29	54.08	60.84	56.54	51.90	51.65
51.31	51.33	53.60	60.52	56.17	51.94	51.41
51.40	51.32	53.68	60.48	55.81	52.04	51.29
51.14	51.36	53.81	60.59	55.86	52.04	51.60
51.20	51.39	53.82	60.58	55.98	51.99	51.61
51.50	51.52	54.08	60.35	56.08	51.92	51.86
51.67	51.50	54.30	60.74	55.99	51.88	51.79
52.07	51.69	54.54	60.47	55.18	51.94	52.01
52.13	52.18	54.73	60.65	54.84	52.04	52.17
51.96	51.62	54.50	60.75	54.87	52.61	52.20
51.91	51.54	54.77	60.58	55.12	53.05	52.27
51.93	51.81	54.92	60.23	55.37	52.68	52.25
52.05	51.78	54.94	59.63	55.32	52.65	52.29
51.90	51.64	54.87	59.49	55.85	52.62	52.57
51.83	51.75	54.97	60.06	55.80	52.58	52.72
51.85	51.87	54.85	60.00	55.83	52.43	52.31
51.78	52.23	54.85	60.10	56.11	51.68	52.33
51.49	52.12	55.01	59.94	56.24	51.37	52.43

51.50	52.28	54.72	60.18	56.34	52.12	52.36
51.65	52.25	54.67	60.25	56.55	52.00	52.37
51.63	52.63	54.65	60.06	56.48	51.65	52.35
51.76	52.61	54.63	59.89	56.15	51.81	52.47
51.53	52.51	53.85	59.79	56.04	51.72	52.24
51.24	52.40	53.46	59.39	56.16	52.73	52.28
51.33	52.70	53.26	59.45	56.09	52.11	52.31
51.18	53.04	53.19	59.69	55.97	52.10	52.47
51.47	52.82	53.27	60.56	56.07	52.36	52.47
51.15	52.99	53.53	60.58	56.28	52.44	52.51
51.03	52.93	53.83	60.48	56.31	52.50	52.27
51.27	52.88	53.99	60.35	56.57	52.51	52.33
51.37	52.78	53.95	60.30	56.50	52.06	52.46
51.29	52.44	54.01	60.05	56.42	52.03	52.74
51.40	52.58	54.17	59.82	56.34	52.38	52.90
51.59	52.73	54.10	59.67	56.51	52.44	53.06
51.55	52.76	54.23	59.75	56.73	52.35	52.93
51.44	53.01	54.34	59.58	56.84	52.38	52.81
51.61	53.21	54.32	59.45	56.81	52.21	52.70
51.57	53.35	54.01	59.12	56.57	52.22	53.01
51.56	53.29	53.88	58.69	56.46	52.10	53.02
51.39	53.29	53.82	58.26	56.60	51.89	52.71
51.13	53.15	53.81	58.25	56.68	51.99	52.71
51.07	53.15	54.02	58.25	56.72	52.08	52.79
51.45	53.32	53.92	58.17	56.61	52.12	52.71
51.31	53.55	53.69	58.04	56.65	52.55	52.91
51.26	53.61	53.69	57.86	56.58	52.61	53.18
51.27	53.50	53.55	57.34	56.36	52.41	53.17
51.58	53.62	53.47	57.06	56.01	52.51	53.04
51.43	53.65	53.43	57.06	55.43	52.41	53.02
51.22	53.51	53.38	56.98	54.96	52.48	53.07
51.39	53.46	53.28	56.76	54.88	52.24	52.71
51.22	53.24	53.26	56.46	54.78	52.09	52.40
51.19	53.16	53.23	56.27	54.60	52.12	52.56
51.01	53.65	53.24	56.09	54.47	52.07	52.49
50.78	54.29	53.08	55.99	54.53	52.01	52.46
50.73	54.71	52.89	55.89	54.53	51.78	52.20
50.66	54.61	52.42	55.69	54.47	51.82	52.07
50.60	54.66	51.93	55.79	53.77	51.90	51.97
50.88	54.47	51.44	55.73	53.55	51.73	52.06
50.82	54.07	51.36	55.43	53.80	51.48	52.25
50.62	53.55	51.25	55.34	53.79	51.14	52.27
50.53	53.13	51.03	55.30	53.66	51.19	52.17

50.45	52.66	50.95	55.19	53.60	51.34	51.98
50.30	52.27	50.99	54.86	53.21	51.40	51.89
50.16	52.35	51.13	54.53	52.88	52.08	51.83
50.29	52.32	51.35	54.36	52.52	52.32	51.70
50.30	52.06	52.16	54.23	52.21	52.19	51.80
50.34	51.45	52.51	54.09	51.92	52.21	51.88
50.43	51.53	52.61	53.77	51.78	52.10	51.74
50.30	51.20	52.49	53.48	52.86	51.75	51.48
50.35	51.39	52.38	53.31	53.51	51.28	51.49
50.50	51.02	52.11	53.24	53.38	50.97	51.52
50.26	50.48	51.75	53.25	53.06	50.44	51.31
51.52	50.33	51.65	53.37	52.95	50.34	50.93
51.73	49.94	51.76	53.71	52.59	50.69	50.75
51.49	49.79	51.63	53.71	52.38	50.87	50.90
51.53	49.48	51.47	53.48	52.17	50.63	50.98
51.44	49.45	51.33	53.06	52.01	50.22	50.79
51.34	49.42	51.20	52.72	51.74	49.94	50.72
51.32	49.14	51.16	52.38	51.33	49.77	50.67
51.40	49.17	51.01	52.00	51.19	49.80	50.56
51.49	48.68	50.76	51.62	51.13	49.59	50.46
51.37	48.62	50.59	51.14	51.10	49.51	51.01
51.22	48.39	50.72	50.68	51.00	49.58	NaN
NaN	48.32	NaN	NaN	NaN	NaN	NaN

DOY	1998	1999	2000	2001	2002	2003
1	6526	7749	6505	5969	29238	31250
2	8192	7677	6426	5944	43573	24919
3	10643	7632	6411	5903	39317	21325
4	10825	7618	6377	5801	27595	19089
5	9255	7616	6270	5655	25958	17814
6	9393	7606	6128	5538	29452	16935
7	10346	7541	6036	5637	26103	15537
8	9636	7440	5994	5962	21594	13962
9	9837	7433	5986	6788	18668	13810
10	13476	7480	6256	8917	16498	17376
11	21599	7507	6770	9764	14866	22536
12	27803	7500	6816	7587	13582	32621
13	27258	7492	6980	6547	12587	50010
14	34025	7526	10121	6200	11683	49568
15	42741	7747	13877	5960	10835	35822
16	42113	8693	11946	5825	10085	27547
17	48346	10954	9629	5781	9481	24057
18	47925	12846	10195	5751	9029	22442
19	44157	12926	13749	5719	8748	21481
20	38743	15754	14446	5680	8473	20918
21	39662	20230	10736	5653	8234	22015
22	41626	22215	10809	5847	8008	27275
23	41398	23992	15159	7524	7645	31627
24	40997	21387	20914	10165	7323	28787
25	44427	19061	21166	11562	7184	27392
26	53915	17369	19875	11801	7278	26444
27	56247	15476	18240	8667	7268	26150
28	50353	13552	19369	7025	6991	25088
29	50191	11923	22917	6372	6843	21991
30	52018	10748	25180	5996	6731	19361
31	51033	10290	25093	5741	6640	17898
32	50773	10061	23243	5560	6572	16581
33	57914	9735	20070	5419	6517	14894
34	74962	10028	18546	5349	6463	13171
35	69628	13284	19281	5319	6419	11724
36	65693	19523	19665	5307	6382	10675
37	71340	28895	18530	5243	6447	9998
38	78128	37164	16270	5112	6902	9648
39	78929	36890	16050	5163	7380	9486
40	75806	37608	18631	6458	7106	9500
41	72995	27468	22883	8561	6824	10554
42	72016	24501	30834	9053	6686	12952

43	71682	25324	43819	8570	6611	14656
44	75963	25313	52612	7260	6552	15274
45	75611	26363	54761	6285	6513	15735
46	69882	30143	52222	5822	6521	17848
47	71297	37916	48568	5660	6535	19787
48	72162	43523	46278	6101	6624	16735
49	69019	40076	44877	7369	8167	15648
50	65902	37454	43483	9421	16165	16911
51	64468	39115	42753	11682	22784	16614
52	62768	40871	43426	12600	15065	15763
53	65855	34025	47114	13346	11056	14742
54	64715	30331	51592	12945	9677	13966
55	65094	30463	47978	15413	8863	13385
56	64764	32920	50459	17928	8299	12379
57	60269	34385	54296	12201	8320	11120
58	55352	35619	54975	8739	9016	10042
59	54622	37795	55606	7514	9449	9239
60	54002	39117	57191	7408	9295	8727
61	51224	37233	59274	8197	9131	8422
62	46194	36456	58655	11699	9029	8160
63	41288	36056	58155	22038	8953	7902
64	36668	36027	61399	26631	9049	7625
65	32455	35578	62285	15830	9674	7365
66	28717	35359	52788	10451	10370	7076
67	25534	36097	48477	9016	10123	6756
68	22860	37241	50005	9000	10295	6549
69	20920	36093	51510	9401	10996	6455
70	19087	33982	47855	9385	10395	6394
71	18768	30623	41773	9019	9637	6421
72	19225	26953	35754	8604	9193	7156
73	17366	23996	30803	8293	8892	10395
74	15281	21821	26990	8067	8567	15214
75	14307	19923	23876	7849	8215	16708
76	13600	18546	20845	7599	8020	14626
77	14379	16813	17897	7378	7933	11091
78	18924	15153	15879	7218	7828	8914
79	28053	13899	15163	7103	7641	8593
80	42241	12680	14894	7029	7434	8378
81	52070	11735	14198	6965	7592	9218
82	51242	12958	13009	6938	8337	10056
83	58947	18343	11782	7037	8512	8881
84	62522	21356	10894	7179	7643	9229
85	59093	16286	10418	7043	7051	10198

86	53756	13274	10118	6778	6796	9073
87	47316	11839	9985	6638	6690	8153
88	41899	11205	9805	6584	6619	7668
89	38308	10870	9519	6523	6574	7309
90	37569	10599	9225	6468	6539	7107
91	36455	10194	8946	6442	6511	7174
92	33480	9828	8728	6649	6504	7351
93	31623	9574	8581	7193	6540	7397
94	30314	9488	8461	7542	6587	7451
95	28292	9783	8360	7601	6604	7249
96	26732	10036	8323	7957	6562	6883
97	24435	9772	8258	8340	6473	6690
98	20552	10021	8407	7973	6395	6605
99	19027	11067	9087	7663	6451	6494
100	17779	13635	9922	7548	6554	6371
101	16102	15508	10280	7491	6459	6505
102	15140	14376	10324	7409	6410	7422
103	14564	14312	10530	7306	6572	8722
104	13687	14508	10963	7245	6924	8821
105	13035	14380	11078	7210	7255	8301
106	12313	14256	11053	7145	7466	8290
107	12309	14244	12651	7106	7547	8339
108	13491	14220	15647	7243	7455	8279
109	14779	13825	16015	7445	7457	8470
110	14931	12983	13914	7521	7461	8741
111	14843	12327	12478	7558	7474	9391
112	14904	11988	11902	7388	7827	10944
113	15420	11763	11781	7431	8371	15062
114	15730	11637	11586	7820	8558	21306
115	15072	11643	11326	8203	8780	23226
116	14571	11739	11091	8343	9068	21347
117	14377	11979	10949	8372	9399	20217
118	14534	12379	11061	8380	9555	25746
119	14929	12542	11556	8363	9632	39526
120	15314	12512	12127	8440	9794	47517
121	15893	12562	12389	8699	9729	44161
122	16416	12693	12916	8829	9483	42295
123	16320	12716	13865	8802	9376	41470
124	16189	12554	14246	8772	9560	38802
125	15881	12615	14452	8825	9665	35182
126	15175	12994	14670	8974	9653	30656
127	14840	13185	14349	9066	9601	26392
128	15590	13132	13599	9082	9475	23081

129	16442	13043	12541	9166	9315	19924
130	15808	12966	11354	9332	9372	17245
131	16610	12933	10666	9419	9592	15385
132	18310	12728	10159	9405	9683	15293
133	18104	12328	9813	9463	9907	17089
134	18895	12284	9825	10043	10915	18134
135	21601	12369	10380	10746	11975	18490
136	23628	11845	11030	10596	11611	18461
137	21907	11306	10621	10681	11440	18239
138	20740	10961	9954	10754	11464	17910
139	20258	10839	10340	10742	11623	17678
140	20117	11136	12013	10765	11684	17548
141	20124	11725	13567	10744	11356	17528
142	20968	12335	13896	10723	11012	17503
143	22119	12498	14046	10588	10840	17155
144	23765	12187	14301	10321	10799	16424
145	25640	12128	14333	10347	11075	16230
146	26053	12418	13495	10794	11533	16610
147	29390	12860	13036	11024	11626	16656
148	34449	13190	13183	11026	11632	16524
149	35818	13221	13120	10959	11627	16356
150	34344	12998	12848	10903	11620	15839
151	30527	12689	12734	10905	11608	15122
152	28652	12698	12697	10878	11597	14912
153	28922	12866	12369	10876	11590	15192
154	29783	12927	12239	10923	11622	15371
155	28210	12606	12127	11175	11628	15346
156	26437	12191	11867	11859	11538	15270
157	24991	11911	11502	12563	11581	15182
158	23971	11782	11348	12844	11773	15101
159	22491	11698	11367	13113	11881	15034
160	20926	11639	11507	13586	11916	15003
161	20638	11598	11549	13848	12043	15168
162	21140	11562	11516	13836	12346	15595
163	20936	11528	11935	13710	12724	15783
164	20439	11633	13256	13717	13248	15804
165	19698	11891	14399	13940	13914	15802
166	19471	12046	14744	14143	14295	15755
167	19547	12064	14755	14275	14308	15718
168	19208	12178	14674	14404	14403	15652
169	19022	12430	14540	14285	14566	15464
170	18929	12631	14276	14254	14608	15024
171	18777	12849	14218	14459	14722	14465

172	18683	12920	14465	14715	14954	13900
173	18606	13081	14522	14586	15247	13378
174	18394	13480	14374	14158	15313	12983
175	18149	13756	14416	14098	15293	12821
176	17981	13808	14564	14328	15348	12764
177	17784	13934	14624	14690	15369	12801
178	17474	14158	14658	15086	15258	13030
179	17189	14251	14728	15107	14996	13446
180	16780	14095	14851	15012	14816	13687
181	16639	13819	14929	14967	14886	13431
182	16575	13750	14927	14843	14688	12952
183	16612	13589	14908	14632	14423	12675
184	16865	13460	14942	14649	14363	12685
185	17182	13499	15212	14848	14538	12864
186	17389	13575	15571	15095	14614	12962
187	17599	13640	15704	15514	14576	13094
188	17700	13684	15528	15602	14555	13290
189	17664	13623	15440	15525	14679	13676
190	17588	13573	15425	15326	14743	14321
191	17275	13575	15481	15346	14803	14870
192	16997	13600	15572	15481	14916	15184
193	16891	13775	15600	15535	15134	15177
194	16770	13982	15528	15585	15300	15193
195	16667	13958	15443	15596	15366	15166
196	16589	14053	15381	15644	15412	15175
197	16454	13957	15393	15632	15388	15139
198	16471	13888	15493	15668	15357	15111
199	16482	13852	15446	15655	15359	15022
200	16542	13835	15341	15582	15371	14981
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202	16528	13426	15273	15582	15428	15019
203	16363	13336	15237	15548	15418	15060
204	16433	13363	15174	15533	15434	15137
205	16495	13420	15178	15546	15434	15155
206	16332	13380	15168	15693	15329	15235
207	16268	13332	15196	15885	15115	15535
208	16317	13340	15384	15754	14988	15708
209	16362	13342	15624	15422	14977	15754
210	16318	13354	15544	14741	14839	15702
211	16290	13534	15337	14302	14403	15650
212	16305	13538	15247	14066	13993	15614
213	16256	13386	15234	13617	13864	15481
214	16148	13253	15308	13215	13836	15247

215	16140	13091	15366	12954	13848	15104
216	16161	12693	15137	12800	13894	14972
217	16086	12157	14657	12796	13900	14735
218	15951	11626	14220	12850	13777	14416
219	15932	11321	14153	12877	13439	13627
220	15957	11197	13889	12878	12993	12440
221	15988	11072	13122	12854	12620	11286
222	16073	10799	12405	12667	12471	10815
223	16152	10575	12158	12337	12458	10745
224	16076	10360	12133	12141	12473	10731
225	15956	10204	12062	12103	12466	10711
226	16026	10105	11964	11978	12347	10680
227	16110	9886	11769	11627	12101	10461
228	16222	9780	11417	11384	11869	9989
229	16357	9762	10977	11197	11665	9666
230	16236	9736	10530	10901	11549	9599
231	16078	9727	10139	10717	11332	9501
232	16040	9727	9958	10525	10868	9249
233	15997	9713	9932	10118	10346	8849
234	15940	9715	9993	9819	9735	8631
235	15860	9717	9953	9773	9105	8597
236	15664	9715	9691	9983	8676	8652
237	15205	9723	9518	10354	8580	8941
238	14964	9712	9496	10493	8862	9298
239	14819	9697	9578	10413	9514	9350
240	14735	9699	9781	10011	9641	9339
241	14697	9683	9948	9781	8979	9342
242	14723	9678	9906	9813	8440	9300
243	14654	9693	9506	9878	8241	9265
244	14455	9675	9003	9893	8211	9277
245	14371	9569	8744	9907	8184	9207
246	14434	9385	8542	9859	8140	8908
247	14320	9297	8352	9732	8064	8361
248	14124	9270	8256	9656	8139	7880
249	13907	9176	8240	9583	8405	7623
250	13573	9020	8105	9331	8598	7520
251	13322	8957	7852	9172	8648	7514
252	12974	8929	7637	9121	8653	7548
253	12608	8820	7528	8873	8651	7686
254	12405	8630	7490	8602	8624	8033
255	12174	8544	7452	8498	8567	8535
256	12037	8544	7396	8493	8587	8841
257	11972	8530	7397	8486	8686	8857

258	11853	8514	7391	8477	8742	8641
259	11685	8496	7406	8484	8765	8257
260	11548	8407	7395	8540	8767	8026
261	11308	8218	7605	8693	8677	8002
262	11019	8124	8069	8889	8480	8009
263	10900	8105	8585	8948	8393	8028
264	10884	8010	8828	8968	8385	7998
265	10738	7826	8709	8978	8421	7931
266	10440	7721	8422	8998	8459	7941
267	10209	7692	8249	9051	8445	7938
268	10161	7685	8185	9064	8405	7899
269	9990	7653	8023	8800	8381	7859
270	9844	7551	7572	8431	8311	7896
271	9624	7356	7160	8239	8127	7918
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273	9294	7274	6944	8231	7970	7621
274	9102	7310	6940	8226	7789	7495
275	8953	7293	6966	8174	7438	7480
276	8935	7262	6968	8105	7119	7478
277	8922	7244	6960	7913	6979	7481
278	8937	7178	6995	7475	6932	7460
279	8981	7038	6994	7032	6945	7370
280	8917	6926	6954	6845	6958	7160
281	8774	6852	6920	6809	6972	6986
282	8679	6807	6896	6751	7005	6962
283	8549	6790	7045	6633	7100	6978
284	8299	6793	7331	6457	7306	6986
285	8064	6786	7360	6291	7648	7014
286	7880	6780	7228	6234	7873	7030
287	7682	6762	7131	6237	7931	7047
288	7482	6739	7090	6243	7954	7063
289	7344	6744	7124	6217	8045	7058
290	7284	6774	7085	6169	8257	7086
291	7259	6798	6963	6142	8392	7211
292	7241	6806	6811	6185	8420	7331
293	7223	6850	6639	6328	8421	7406
294	7219	6967	6473	6506	8433	7417
295	7263	7088	6359	6514	8459	7404
296	7453	7098	6289	6479	8525	7420
297	7753	7077	6260	6492	8629	7469
298	7822	7068	6314	6577	8617	7517
299	7752	7138	6418	6657	8585	7503
300	7685	7374	6514	6669	8600	7533

301	7591	7533	6636	6676	8616	7636
302	7555	7313	6998	6783	8595	7734
303	7529	7184	7234	6905	8587	7774
304	7525	7163	7057	6840	8590	7764
305	7540	7216	6894	6672	8592	7762
306	7576	7219	6690	6554	8591	7765
307	7580	7168	6573	6450	8576	7724
308	7571	7134	6538	6393	8460	7680
309	7753	7184	6483	6418	8111	7623
310	8327	7299	6470	6382	7711	7404
311	8915	7426	6505	6278	7644	7299
312	8971	7570	6613	6214	7825	7515
313	8724	7838	6694	6195	7903	8099
314	8896	8209	6661	6217	7940	8265
315	9284	8169	6671	6397	7917	7528
316	9585	7855	6706	6692	7732	7124
317	10180	7637	6682	6752	7504	7017
318	10491	7543	6706	6396	7280	7045
319	10688	7568	6767	6046	7074	7139
320	11766	7808	6749	5929	6896	7119
321	13685	8056	6735	5876	6806	6949
322	14233	8076	6733	5753	6778	6706
323	13807	8633	6704	5710	6725	6480
324	13687	9160	6708	5990	6595	6374
325	13947	8542	6748	7732	6335	6332
326	14669	8055	6726	9336	6131	6316
327	16759	7862	6720	9213	6175	6307
328	18550	7713	6726	10505	6191	6314
329	19098	7565	6734	8715	6208	6336
330	20620	7715	6727	6913	6199	6354
331	21449	8142	6727	6656	6237	6358
332	20542	8494	6776	9314	6453	6412
333	26647	9333	6943	12352	6656	6605
334	32676	10470	7221	12074	6694	6981
335	27902	10273	7328	15916	6695	7444
336	26860	9848	7047	17396	6696	7488
337	28845	9726	6833	12661	6695	6915
338	27049	9573	6719	10497	6694	7046
339	28673	9473	6665	13381	6660	9067
340	29513	9438	6573	15624	6586	12768
341	29257	9317	6508	10895	6531	13416
342	28511	9040	6469	9123	6508	9330
343	26849	8874	6384	8875	6473	9565

344	25557	8835	6372	7784	6429	11454
345	25065	8727	6389	7102	6394	10726
346	24228	8658	6444	7260	7267	12820
347	22768	8590	6628	10653	13643	18767
348	20726	8365	7320	13954	23261	18705
349	18516	7999	8147	10502	28168	13621
350	17774	7615	7523	10053	29575	12696
351	17421	7296	6669	11498	18641	12089
352	16661	7110	6325	11865	12086	11739
353	15243	7015	6209	15072	14776	12364
354	13487	6992	6167	19105	23644	13325
355	11777	6966	6133	19329	24038	13067
356	10322	6924	6107	17683	13551	15204
357	9403	6898	6095	15798	9495	23037
358	8993	6877	6063	11513	8412	29963
359	8917	6873	6036	9279	9343	26941
360	8899	6866	6006	8324	17220	21308
361	8890	6838	5996	8298	31026	19720
362	8761	6780	5988	10635	36126	23461
363	8376	6708	5970	14454	31437	29641
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365	7873	6597	5998	22759	35457	27190
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2004	2005	2006	2007	2008	2009	2010
27531	9344	71713	7527	5625	4730	5327
23529	9217	67023	7456	5933	4827	5683
20049	9066	65291	7889	9824	4855	4871
18098	7919	68939	8423	15464	4651	4396
17193	7238	64452	8046	14192	4595	4171
17954	7869	61594	7641	10404	4593	4050
20339	9781	60442	7337	9291	4596	3987
22437	10267	59342	7079	10934	4594	3955
23914	8960	58773	6892	12190	4594	3928
22132	9654	59020	6764	11065	4596	3998
17111	10778	59978	6669	9570	4594	4969
14555	8972	58772	6595	8233	4544	8118
13076	7890	58174	6540	7481	4410	10051
11999	7335	57196	6507	6852	4288	7292
11341	6923	48337	6474	6346	4238	5647
10649	6748	39290	6438	5957	4197	5648
10005	6665	35576	6436	5714	4169	8948
9503	6644	34077	6338	5517	4143	17050
9092	6761	28209	6253	5400	4130	25480
8707	6788	23597	6243	5559	4126	27633
8323	6701	20642	6255	5859	4165	22080
7950	6587	17761	6224	5821	4282	16799
7633	6488	15657	6175	5818	4478	16713
7450	6528	14282	6101	8174	4990	22032
7425	7739	13725	6065	16628	5355	28768
7969	11235	13984	6103	22241	4772	24796
9151	13936	15166	6161	15311	4439	14430
9361	12693	17448	6152	11671	4327	10224
8623	10645	20223	6143	9688	4271	9141
8471	8755	23662	6130	10277	4233	9414
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17544	6935	38244	6017	17225	4158	8563
19179	6647	40495	6037	19796	4137	8469
13662	6490	43577	6022	11835	4132	13218
10771	6375	42208	6019	8544	4160	20340
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9725	6183	34714	6383	6937	4330	14796
8994	6093	29567	8706	6666	4538	11906
8487	6011	25479	16070	6497	4695	10991
8173	5951	22483	22351	6417	4681	9648
7913	5913	19698	17628	6405	5130	9054

7712	6061	17371	11372	6411	5695	8968
7592	7027	15546	9053	6352	6265	8638
8285	7936	14015	8051	6178	8649	8001
15936	7198	12494	7522	5948	15104	7536
39738	6746	11443	7233	5791	21584	7201
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69177	7161	10626	6872	5677	14045	6707
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31947	6693	43363	6873	5663	6302	7192
27841	6596	40745	6773	5607	5984	6984
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11443	6278	33345	6449	5381	6854	6230
11061	7189	32190	6451	5316	6184	6105
10711	8987	32055	6481	5378	5934	6004
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9708	21932	30216	6262	5322	5617	5791
9420	14259	31680	6406	5249	5445	5766
9184	10589	33563	6802	5212	5333	5816
9149	9333	31224	7255	5225	5257	5766

9165	10118	30046	7477	5242	5217	5601
8902	11400	30836	7403	5226	5202	5540
8673	10193	30934	7378	5247	5181	5777
8511	9048	30716	7375	5382	5147	6111
8443	8291	33431	7485	5573	5267	6030
8392	7846	37033	7722	5673	5671	5904
8567	7671	42011	7827	5648	5891	6323
9077	7975	50972	7900	5577	5750	6815
9325	8266	52928	8131	5501	5678	6824
9319	7740	53589	8423	5680	5612	7122
9423	7741	51482	8674	6184	5578	6487
10693	8683	49685	8809	6597	5736	6089
13580	9771	49553	8793	6858	6175	5944
15707	9681	51650	8626	7355	6609	5911
16348	8509	56092	8537	7798	6835	6165
16336	7806	62375	8626	7855	6653	8419
15737	7392	69051	8729	7823	6496	12837
14233	7136	65381	8798	7865	6448	13833
12790	6961	59867	8899	8013	6420	11202
12166	6774	57889	8930	8115	6399	10221
11595	6646	54953	8885	8239	6456	9700
10466	6535	46505	8837	8332	6715	9128
9347	6425	42348	8795	8377	7011	8914
8629	6307	40615	8697	8472	7136	9675
8440	6169	37825	8588	8549	7178	11435
8604	6048	34241	9172	8524	7263	11823
8595	6097	31550	9929	8368	7504	10428
8399	6497	29049	9389	8171	7995	9747
8269	7096	27709	8924	8083	8502	9664
8429	7362	27299	8706	8009	8747	9709
8738	7304	26716	8587	7966	8948	9962
9006	7268	25507	8540	8015	9219	10869
9226	7270	23049	8715	8220	9493	11506
9535	7350	20147	9131	8414	9755	10857
9797	7445	17691	9386	8599	10078	10329
9990	7489	15612	9656	8781	10748	10237
10193	7535	13938	10694	8845	11897	10251
10290	7731	12558	11561	8927	13001	10191
10423	8431	11564	10706	9044	14021	10152
10817	9763	11197	10090	9167	14866	10046
11361	10445	12094	9912	9267	13343	9879
12303	12091	14750	9827	9339	11767	9748
13179	20948	17115	9756	9388	10777	9695

12554	29573	17459	9752	9413	10234	9801
12252	24964	17197	9856	9359	9957	10076
11991	24321	16804	10050	9240	9776	10116
11328	25467	16298	10186	9173	9672	9741
10748	25266	15880	10361	9212	9731	9658
10533	24668	15565	11004	9386	10081	9957
10499	23855	15659	11553	10158	10455	10299
10478	27164	15961	10801	11030	10621	10391
10460	39887	16311	10401	10517	10527	10477
10420	52681	16914	10317	10356	10293	10610
10227	50447	17303	10300	10702	9943	10672
9921	36396	17510	10308	10956	9674	10729
9655	30612	17937	10307	10995	9625	10688
9660	28196	18104	10286	10977	9542	10673
9838	24042	17596	10283	10856	9383	10566
9912	18620	16750	10235	10715	9313	10803
10114	17929	16280	10163	10573	9262	11734
10535	18687	16163	10350	10551	9261	12957
10989	18566	16011	10763	10609	9345	13999
11583	18257	15792	10900	10718	9427	15431
12075	17628	15656	10914	10732	9415	16724
12376	16728	15636	10898	10687	9426	16920
12400	16263	15526	10978	10621	9497	15788
12322	15900	15485	11179	10680	9599	14686
12234	15282	15542	11282	10629	9644	16412
12194	14668	15644	11284	10573	9844	17588
12243	14384	15616	11297	10536	10181	17829
12913	14197	15528	11324	10500	10393	17897
14150	14039	15404	11318	10469	10415	17670
14858	14132	15320	11306	10481	10367	17171
15333	14288	15269	11294	10464	10264	15975
15438	14406	15220	11292	10429	10301	14414
15351	14365	15251	11308	10482	10378	13292
15166	14258	15195	11278	10605	10369	12650
15062	14163	15285	11241	10793	10521	12740
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14822	13912	15380	11292	11249	10739	12827
14932	13694	15289	11722	11249	10924	12870
15232	13374	15031	12347	11260	10701	12481
15816	13145	15030	12530	11550	10500	12383
15974	12950	15097	12710	12237	10541	12337
15934	12817	14944	12948	12811	10717	12287
15882	12731	14892	12980	12992	10751	12305

15768	13106	14945	13054	13027	10757	12264
15862	13920	15102	13337	13059	10853	12201
15845	14354	15168	13515	13119	11123	12129
15736	14495	15076	13584	13193	11390	12113
15721	14454	14942	13609	13116	11662	12132
15744	14565	14812	13750	12963	11921	12266
15773	14721	14383	13897	12942	11924	12572
15709	14695	14079	14122	12924	11871	12966
15646	14585	14100	14699	12870	12000	13058
15622	14531	14119	15103	12892	12425	12920
15601	14725	14125	15122	12949	13008	12872
15575	15097	14020	15067	12990	13107	12811
15565	15136	13867	15018	12947	13007	12824
15524	15087	13838	15065	12943	13028	12798
15500	15334	13893	15034	13011	13044	12719
15486	15419	13929	14907	12934	13054	12661
15455	15207	13855	14986	12906	13100	12807
15417	15029	13915	15064	12892	13140	13170
15403	14991	13940	15206	12892	13118	13353
15438	15153	13865	15078	13019	13209	13457
15491	15435	13757	14879	13073	13278	13375
15455	15922	13833	14802	12817	13268	13189
15424	16153	14068	14878	12828	13222	13176
15395	16031	14453	14987	12951	13075	13130
15366	15826	14678	14896	12886	12984	13113
15358	15853	14715	14900	12850	13021	13073
15363	15937	14687	15141	12898	13146	13130
15345	15925	14786	15465	12869	13173	13179
15340	15798	14980	15355	12773	12997	13192
15320	15818	15076	14930	12527	13046	13106
15409	15806	15200	14846	12326	13179	13047
15868	15485	15238	14875	12291	13225	13060
16422	15061	15215	14871	12291	13170	13063
16505	14837	15190	14880	12132	13151	12990
16446	14919	15180	14891	12012	13065	12878
16393	14770	15134	14656	11960	13050	12879
16142	14327	14943	14058	11853	13148	12893
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15222	13586	14903	13324	11617	13192	12965
14668	13491	14801	13392	11589	13009	13003
14372	13579	14598	13313	11565	12885	12896
14352	13698	14638	13211	11550	12783	12895
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14254	13758	14316	13273	11384	12712	12900
13967	13463	14276	13225	11115	12633	12804
13708	13154	14267	13135	10962	12591	12610
13470	13016	14190	13300	10940	12607	12336
13006	12811	14108	13303	11020	12520	11981
12570	12588	14138	13041	11117	12344	11692
12406	11915	14249	12838	11128	12182	11596
12343	11120	14137	12750	10994	12062	11454
12192	10792	13893	12712	10708	11955	11175
11823	10710	13774	12725	10600	11844	10934
11325	10616	13650	12698	10654	11803	10733
10818	10525	13391	12165	10627	11626	10532
10461	10616	13203	11561	10500	11308	10415
10307	10599	13162	11354	10317	11125	10419
10266	10548	13201	10988	10217	11096	10423
10155	10620	13261	10606	10210	11004	10205
9843	10539	13329	10622	10186	10902	9924
9521	10334	13283	10851	10212	10853	9724
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9676	10352	12837	10734	9751	10479	9606
9567	10220	12344	10506	9466	10344	9572
9506	10175	11855	10337	9380	10456	9528
9744	10125	11577	10223	9322	10544	9410
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10152	10128	11499	10158	9522	9897	9128
9927	10110	11347	10161	9450	9636	9122
9780	10086	11284	10188	9400	9477	9069
9628	10085	11365	10167	9101	9353	9024
9277	10082	11415	10208	8659	9228	9042
8945	10058	11405	10336	8424	8749	8980
8932	9980	11356	10356	8482	8234	9007
9115	9710	11305	10328	8480	7947	8978
9214	9422	11290	10284	8399	7930	8731
9280	9236	11041	10153	8164	8008	8582
9278	9134	10645	9873	7997	8094	8617
9192	9119	10567	9658	7871	7956	8718
9132	9129	10725	9537	7667	7897	8779
9138	9150	10703	9400	7507	8064	8742
9150	9128	10651	9266	7470	8071	8661
9194	9124	10532	9062	7460	7868	8473
9272	9150	10339	8860	7455	7564	8255
9261	9082	10166	8710	7353	7180	8135

9224	8986	10140	8629	7134	7010	8043
9276	8907	10129	8591	7158	6965	7918
9311	8784	9995	8633	7281	6809	7739
9355	8693	9837	8592	7095	6614	7616
9401	8651	9685	8350	6947	6602	7503
9426	8608	9505	8080	7011	6596	7452
9326	8616	9390	8096	7060	6450	7441
9037	8830	9321	8174	7092	6426	7417
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8737	9438	9146	8061	6764	6309	7365
8588	9354	8980	7831	6644	6039	7328
8502	9311	8914	7676	6555	5915	7311
8456	9295	8803	7649	6510	5915	7297
8350	9254	8641	7658	6479	5922	7301
8203	9227	8568	7677	6482	5985	7332
8093	9187	8541	7710	6463	6039	7277
7985	9126	8480	7740	6465	6061	7152
7753	8860	8377	7744	6534	6076	7117
7621	8635	8272	7654	6625	6021	7157
7622	8642	8269	7478	6706	5889	7145
7591	8696	8189	7377	6774	5939	7099
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7502	8628	7918	7311	6684	6519	6883
7513	8732	7799	7213	6658	6654	6677
7603	9087	7637	7124	6692	6660	6603
7797	9504	7375	7111	6693	6647	6683
7910	9693	7181	7062	6749	6740	6746
7955	9527	7121	7097	6827	7099	6675
8009	9061	7102	7157	6756	7599	6627
8027	8797	7058	7223	6516	7843	6643
7984	8807	6966	7372	6482	7686	6659
8092	8798	6890	7448	6707	7332	6670
8369	8614	6840	7142	7070	7190	6736
8540	8185	6786	7098	7472	7502	6744
8738	7829	6741	7456	7498	7845	6732
9085	7774	6685	7465	7535	7441	6709
9089	7808	6638	7092	7576	7224	6699
8416	7841	6644	6946	7590	7162	6912
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8158	7680	6608	6796	7572	6887	10003
8245	7588	6558	6769	7553	6844	9481
8400	7657	6553	6703	7575	6791	7968
8629	7781	6598	6651	7641	6640	7522

8130	7771	6603	6630	7712	6568	7653
7556	7707	6601	6604	7720	6567	7866
7203	7721	6619	6543	7661	6568	7820
6962	7712	6661	6463	7575	6571	7623
6847	7628	6715	6398	7461	6583	7524
6770	7501	6764	6392	7439	6550	7367
6690	7441	6799	6396	7616	6535	7253
6657	7376	6782	6406	7637	6549	7185
6588	7199	6788	6436	7396	6504	7138
6326	7393	6785	6466	6884	6486	7339
6105	8475	6775	6471	6550	6462	7818
5988	8995	6754	6473	6337	6460	8046
5925	7709	6670	6476	6250	6456	7710
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5954	6825	7131	6519	5951	6169	7291
6200	6788	7335	6515	5895	6152	7262
6202	6770	7450	6540	5831	6067	7220
5983	6821	7320	6596	5639	5887	7132
5749	6945	7117	6644	5332	5805	7076
5580	6965	7013	6627	5128	5690	7047
5498	6838	6899	6593	5024	5587	7068
5463	6768	6806	6608	4921	5574	7132
5402	6761	6741	6607	4829	5522	7417
5296	6766	6744	6535	4711	5370	7747
5228	6776	6870	6437	4615	5225	7790
5198	6787	6959	6411	4601	5120	7805
5193	6845	6842	6460	4603	5066	7541
5202	6969	6858	6459	4603	5035	7245
5249	7007	7208	6456	4604	4981	7274
5356	7083	7486	6459	4601	4905	7554
5526	7817	7097	6480	4599	4797	7640
5611	8829	6863	6490	4601	4680	7382
5575	10505	6746	6460	4601	4595	7287
5523	14168	6675	6364	4601	4543	7350
5462	13668	6639	6247	4602	4527	7459
5386	9263	6630	6275	4599	4519	7733
5289	7721	6625	6458	4597	4514	8372
5237	7224	6617	6539	4605	4517	10910
5223	6952	6608	6898	4610	4516	13331
5924	6791	6615	7110	4599	4504	11695
9257	6720	6746	6253	4601	4480	11631
12481	6663	7196	5761	4603	4455	12864

9975	6608	7936	5570	4596	4439	12400
7482	6563	9737	5496	4595	4467	11444
6614	6523	13868	5484	4594	4550	11040
6294	6492	16309	5508	4594	4553	13041
6095	6470	13981	5515	4592	4377	17799
5938	6445	11470	5504	4595	4876	19922
5807	6497	9208	5543	4599	5746	19160
5678	7695	8137	5879	4596	5144	20550
5626	13492	7665	6783	4592	4433	23659
5580	20083	7416	8188	4595	4188	23725
5503	20762	7310	8572	4602	4248	22011
5458	25649	7309	7039	4617	4563	22415
5437	28933	7343	6218	4736	4647	23726
5395	23008	7262	5920	4872	4242	21407
5365	15062	7235	5787	5045	4000	18948
5516	15984	8164	5731	6419	3908	19763
7018	26456	12502	5688	7435	3900	21625
17256	48887	15469	5680	5694	3959	20390
32450	69260	10732	5735	4994	4018	25641
29838	65937	8667	5880	4970	4162	31368
19827	73679	8082	6106	5067	4448	25365
15408	82008	7795	6069	5018	4699	22591
11792 NaN	NaN	NaN		4909 NaN	NaN	

2011	2012	2013	2014	2015	2016	2017
20577	6311	7829	4221	5820	4323	9500
19890	6281	7531	4114	5686	4287	9074
19428	6273	7261	4103	5564	4262	14777
18907	6288	7062	4098	5479	7648	20683
18080	6295	6978	3921	5415	14098	11872
16660	6297	6963	3881	5350	15062	12072
15424	6292	6941	3920	5281	13076	27080
14636	6264	6983	3925	5213	8166	52449
13419	6220	7102	3850	5153	8621	52618
12057	6149	7198	3864	5074	9198	46301
11285	6019	7066	3886	5002	6893	56532
11489	5843	6888	3870	4904	8066	51135
12279	5737	6708	3881	4777	11948	48789
12103	5687	6538	3882	4753	15429	45114
10825	5655	6423	3831	4738	18455	42716
10367	5617	6343	3804	4746	17308	41749
10344	5566	6301	3797	4745	29024	41712
10104	5510	6277	3803	4780	39953	49897
9631	5865	6268	3803	4823	29024	61245
9138	10422	6249	3801	4762	19985	58952
8656	14217	6241	3793	4696	13661	62395
8249	11765	6258	3787	4634	17336	59666
7880	14602	6620	3779	4591	21117	48593
7530	8103	7353	3775	4559	17163	42576
7183	7043	7514	3746	4525	12867	39876
6846	7297	7374	3744	4509	10468	39044
6550	7146	7272	3949	4493	9294	36761
6289	6439	6984	4354	4475	14313	33327
6132	6086	6749	4424	4463	25190	31087
6111	5909	6598	4436	4428	22326	30535
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5769	5484	6384	4441	4482	9316	32591
5701	5276	6285	4431	4554	8582	37742
5647	5123	6181	4408	4515	8006	38079
5619	4979	6200	4416	5023	7429	39054
5573	4844	6224	4471	16487	6903	57476
5526	4765	6366	4854	28908	6558	74451
5463	4968	6417	6298	18388	6331	55912
5372	5356	6241	9585	18700	6183	58988
5307	5380	6118	10395	13471	6102	72360
5295	5427	5870	5718	9762	6021	73555

5261	5712	5853	4940	8316	5935	75393
5291	6107	5761	4821	7410	5850	80209
5682	5841	5634	4803	6796	5770	84352
7345	5591	5577	4923	6319	5725	78239
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11481	5372	5559	4763	5754	6088	77045
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11040	5255	5625	4277	5442	7451	68180
9115	5287	5615	4207	5320	6909	58647
7997	5456	5542	4068	5203	6350	61265
7450	5901	5498	4007	5078	6057	74157
7100	6139	5470	3942	4951	5819	82762
8025	6118	5430	3893	4890	5691	81440
9548	6050	5410	3885	4836	5629	81220
8906	5925	5402	6470	4800	5601	80297
7665	5834	5383	10128	4738	5593	79470
7111	5887	5380	8831	4699	5537	78260
7742	5987	5333	8804	4662	5447	75292
10264	5865	5264	7179	4635	5371	68018
11742	5573	5336	11511	4615	5333	59015
9785	5325	5326	15950	4575	5439	52268
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13446	7543	6524	5314	4436	40313	14567
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38489	13667	6277	4676	4404	15478	13090
44781	11223	6151	4550	4367	15930	12952
59203	8231	6175	4554	4340	22021	12863
67939	6848	6559	4759	4259	25803	13286
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50162	7400	5819	4728	4143	24489	23755
50185	6906	5750	4784	3980	20921	24269
58426	7977	5685	5036	3889	17960	19928

58590	8219	5604	5226	3838	15174	19650
57981	13729	5711	6954	3807	12268	17295
58201	20183	6469	10679	3771	10228	16389
57568	12525	7525	9999	3736	9289	16005
56718	13329	8517	8620	3755	9029	15539
54569	14095	8738	8801	3951	8820	14914
49728	12245	8080	7616	4179	8615	14468
43758	9331	7863	6660	4170	8390	14248
38058	8367	8373	6107	4054	8172	14135
33215	7968	9505	5624	3991	7992	14108
29285	7252	9598	5363	3979	7759	18642
25803	6695	9319	5177	4082	7567	25042
22578	6379	8933	5067	4219	7524	20816
19969	6147	8685	5004	4133	7503	16944
18157	5979	8456	4877	4115	7539	15822
16362	7090	8312	4734	4054	7573	15531
14816	9637	8131	4567	3994	7470	19807
13476	10712	7697	4381	3935	7416	27893
12208	11121	7259	4278	3854	7410	30378
11342	10273	7050	4359	3778	7264	30711
11048	8122	6837	4594	4039	7122	30306
11270	7592	6750	4760	4543	6943	31156
11727	7849	7046	4850	4513	6833	33348
11949	7831	7529	4954	4483	6748	36704
12360	7714	7807	4868	4539	6701	37916
12639	7824	8016	4854	4837	6660	37307
11511	8184	8382	4829	5341	6775	36302
11053	8328	9092	4711	5878	7273	35591
11143	8425	9917	4630	6467	7506	34712
11167	8723	10734	4702	7011	6981	30614
10835	8924	11169	4763	7397	6725	25308
10332	9447	11296	4797	7535	6544	22039
9642	9266	11321	4963	7529	6524	19047
8998	8524	11309	4987	7496	6563	16803
8784	8225	11300	5195	7426	6453	14833
8627	8069	11280	5638	7553	6497	13107
8797	7978	11249	6112	7815	6660	11762
9486	7887	11213	6236	7991	6773	10800
10047	8187	11231	6237	7990	6851	9985
10147	8798	11285	6346	7976	7115	9239
10041	8736	11541	6859	7915	7377	9964
10107	8495	12038	7509	7912	7570	13023
10247	8711	12223	7790	7973	7712	15245

10125	9618	12186	8168	7958	7867	15539
9899	10153	12157	8340	7945	7942	15482
9891	10269	12146	8310	7942	7953	15478
9930	10439	12195	8290	7944	7921	15402
9872	10598	12180	8269	7955	7841	15313
9952	10585	12045	8268	7981	7774	15150
10184	10626	12022	8237	8057	7721	14948
10535	10630	12090	8210	8077	7668	14881
12045	10742	12091	8226	8040	7608	14851
13390	11032	12003	8212	8131	7567	14741
12344	11208	11946	8203	8326	7555	14694
11865	11156	12205	8201	8459	7570	14703
11778	11062	12764	8291	8599	7689	14734
11865	11188	13002	8555	8686	7861	14764
12266	11341	13022	8652	8565	7851	14624
12727	11246	13056	8622	8294	7735	14094
13146	10926	12902	8596	8152	7746	13442
13627	10652	12713	8595	7972	7834	13103
13803	10665	12777	8598	7759	7786	12969
14204	10683	12909	8610	7655	7676	12947
14243	10476	12704	8806	7659	7552	13075
14126	10253	12327	9215	7650	7459	13092
14730	10209	12115	9451	7661	7389	13033
16248	10206	12007	9440	7687	7522	13002
17098	10180	11985	9354	7649	8105	12914
18629	10315	11955	9226	7595	8658	12920
22292	10782	11937	9196	7595	8763	12991
23961	11327	12230	9181	7642	8812	13022
23923	11835	13180	9174	7680	8807	12968
22370	11764	13917	9136	7673	8791	12759
19455	11524	13876	9114	7649	8808	12396
16928	11330	13834	9111	7653	8837	12064
14621	11169	13889	9108	7678	8823	11976
12945	11027	13898	9194	7617	8742	11890
12429	10933	13866	9378	7580	8642	11813
12880	10989	13898	9485	7584	8559	11766
13667	11427	14023	9505	7604	8539	11645
13938	12030	14212	9510	7629	8553	11606
13565	12356	14414	9496	7589	8584	11611
13401	12784	14098	9601	7537	8674	11670
13304	13086	13647	9849	7578	8993	11837
13214	13218	14100	10180	7541	9671	12153
13234	13019	13945	10744	7487	9949	12363

13349	13016	13916	10998	7446	9896	12230
13312	12925	13916	11037	7411	9937	12043
12964	12910	13974	11108	7389	9962	11908
12747	13397	14322	11180	7360	10078	11844
13051	14256	15322	11163	7327	10074	11852
13037	14825	15953	11033	7368	9848	11887
13048	14833	15609	10807	7406	9651	11805
13376	14806	15254	10535	7458	9523	11710
13908	14758	15155	10416	7470	9432	11666
14267	14748	15161	10278	7436	9369	11616
14446	14736	15030	10132	7411	9470	11614
14407	14716	14730	9973	7423	9800	11637
14415	14727	14798	9956	7435	9971	11635
14549	14686	15151	9949	7454	9965	11609
14621	14684	15051	9944	7466	9941	11593
14584	14796	14829	9947	7463	9922	11565
14205	14859	15117	9955	7463	9918	11520
13864	14978	15011	9945	7485	10016	11481
13605	15002	14671	9903	7489	10305	11513
13382	15109	14613	9894	7468	10511	11524
13317	15071	14654	9934	7498	10518	11425
13289	14930	14583	9988	7548	10492	11373
13216	14766	14360	9931	7586	10476	11401
13215	14690	14102	9935	7542	10476	11481
13183	14797	14139	9936	7417	10479	11471
13140	14939	14296	9896	7370	10495	11433
13207	14980	14334	9911	7299	10507	11352
13185	14846	14287	9919	7285	10490	11299
13047	14846	14242	9918	7278	10481	11358
12821	14853	14425	9936	7258	10476	11358
12728	14844	14499	9972	7259	10476	11315
12628	14896	14373	9954	7262	10469	11272
12529	14900	14382	9897	7267	10459	11276
12563	14836	14395	9969	7275	10448	11289
12546	14766	14377	10021	7285	10416	11318
12456	14779	14350	10003	7246	10439	11395
12399	14837	14219	9951	7196	10480	11385
12494	14836	13682	9817	7284	10470	11375
12704	14850	13121	9576	7267	10480	11283
12806	14872	13116	9492	7251	10520	11269
12730	14868	12981	9522	7217	10485	11295
12658	14855	12502	9547	7195	10479	11385
12663	14862	12064	9603	7217	10476	11343

12840	14876	12075	9708	7246	10476	11367
12900	14875	12012	9665	7257	10476	11276
12922	14884	11951	9639	7283	10476	11040
12683	14878	11879	9554	7302	10476	10992
12479	14807	11593	9388	7315	10476	11014
12521	14588	11361	9202	7353	10458	11056
12559	14217	11282	8993	7405	10397	11114
12508	13898	11291	8941	7480	10375	11238
12469	13601	11422	8918	7517	10453	11341
12489	13257	11567	8713	7425	10489	11368
12341	13013	11630	8551	7375	10476	11305
12222	12599	11653	8450	7291	10467	11310
12157	12511	11584	8338	7233	10434	11334
12134	12466	11157	8274	7298	10389	11381
12039	12280	10611	8288	7305	10351	11372
11952	12195	10560	8242	7300	10350	11286
11886	12421	10593	8106	7300	10375	11108
11783	12406	10641	8039	7318	10376	11011
11808	12238	10574	8031	7330	10375	11046
11901	12194	10303	8016	7341	10375	11097
11965	12054	10002	8012	7371	10380	11180
11975	11569	9803	8010	7378	10376	11246
11853	11302	9565	7979	7348	10373	11290
11789	11086	9253	7964	7330	10388	11285
11638	10898	9085	7960	7331	10413	11228
11676	10799	8836	7846	7321	10416	11011
11854	10631	8535	7742	7316	10427	10419
11766	10497	8286	7595	7319	10443	9981
11545	10365	8005	7458	7320	10410	9966
11325	10310	7958	7465	7332	10308	9980
11155	10308	7930	7433	7338	10095	9999
11176	10226	7928	7322	7348	9920	10032
11188	10008	7953	7236	7367	9910	10036
11240	9790	7940	7075	7381	9955	10057
11220	9514	7927	6836	7406	9896	10135
11197	9276	7924	6720	7413	9662	10234
11038	9263	7908	6668	7379	9520	10210
10836	9186	7767	6575	7365	9447	10145
10617	8925	7533	6473	7366	9261	10102
10447	8563	7648	6345	7376	9123	10097
10486	8219	7791	6289	7387	9081	10078
10551	7965	7823	6319	7381	9072	10075
10241	7804	7781	6287	7379	9064	10067

9838	7813	7646	6270	7337	9068	10060
9661	7840	7513	6282	7322	9074	10062
9648	7834	7515	6291	7346	9082	10051
9664	7819	7533	6248	7354	9096	10059
9668	7804	7599	6141	7344	9104	10090
9623	7782	7713	6031	7337	9011	10093
9492	7722	7659	5980	7318	8784	10059
9432	7520	7452	5914	7269	8573	9996
9212	7377	7266	5828	7252	8341	9977
8962	7391	7363	5889	7187	8228	9951
8968	7419	7526	6067	7130	8241	9952
9142	7366	7475	5861	7111	8235	9959
9158	7178	7168	5619	7093	8216	9967
9124	7024	6890	5554	7085	8129	9981
9116	7028	6764	5546	7101	8022	9982
9081	7042	6749	5588	7170	7968	9849
9013	7033	6910	5678	7285	7969	9457
8868	6992	6902	5708	7317	7981	9180
8783	6948	6901	5672	7315	8019	9140
9009	6911	6907	5581	7326	7987	9091
9281	6795	6939	5574	7332	7846	9110
9227	6730	6951	5575	7329	7742	9194
9044	6771	6960	5564	7330	7628	9193
8948	6751	6974	5574	7328	7554	9113
8981	6661	7005	5572	7332	7543	9004
9126	6592	7042	5530	7349	7483	8736
9131	6604	7052	5542	7329	7332	8403
8987	6616	7117	5545	7324	7301	8404
8940	6639	7249	5558	7330	7435	8410
8659	6633	7248	5593	7333	7560	8390
7948	6620	7201	5627	7337	7851	8391
7111	6593	7222	5622	7345	7949	8402
6728	6555	7241	5624	7364	7820	8412
6748	6528	7233	5615	7408	7763	8425
7005	6561	7236	5631	7416	7584	8516
7381	6669	7259	5683	7163	7443	8714
7642	6775	7188	5718	6816	7288	8801
7682	6882	7058	5727	6573	6956	8757
7671	7130	7065	5792	6386	6638	8731
7655	7300	7110	5840	6284	6555	8709
7645	7300	7164	6183	6229	6692	8703
7665	7255	7148	6512	6124	7022	8691
7672	7191	7103	5923	6079	7109	8683

7642	7116	7112	5797	6095	7393	8655
7638	7002	7125	5755	6032	7953	8665
7635	6922	7167	5767	5880	7563	8694
7623	6932	7117	5900	5751	8421	8715
7607	6999	6929	5969	5764	9836	8690
7623	7056	6695	5849	5773	9658	8665
7661	7001	6538	5904	5731	8270	8723
7694	6947	6421	5999	5713	7254	8648
7715	6940	6115	5955	5712	6722	8035
7758	6981	5797	5872	5718	6478	7253
7745	6913	5587	5803	5726	6387	6759
7721	6654	5362	5810	5760	6310	6568
7717	6476	5194	5795	5812	6222	6781
7724	6470	5164	5822	5818	6173	6704
7732	6454	5103	5784	5736	6137	6487
7742	6441	5058	5643	5573	6090	6307
7820	6441	5020	5599	5389	6065	6172
8109	6532	4860	5581	5336	6053	6135
8470	6646	4516	5643	5331	6045	7417
8536	6612	4300	5606	5178	6056	10012
8536	7023	4168	5505	5031	6070	9028
8555	8661	4172	5404	5032	6059	6414
8576	9332	4333	5346	5037	6325	5994
8559	7160	4417	5303	4994	10041	6885
8567	9077	4355	5693	5018	14364	7851
8704	11589	4211	6337	5035	10528	6606
8974	8210	4134	5922	5061	8674	6106
9258	6709	4078	5357	5093	8725	5895
9074	6289	4066	5087	5082	7789	5800
8685	6133	4077	5032	5049	7605	6335
8133	6040	4104	5003	5031	9543	6979
7715	6066	4123	5086	5024	11132	6223
7612	6377	4127	6061	5013	8952	5874
7570	11179	4101	7303	5008	8171	5733
7507	16869	4028	6557	4989	7535	5654
7418	20823	4076	7423	4953	7201	5603
7202	29978	4282	12696	4968	7066	5573
7059	16268	4492	14405	4996	7090	5516
6995	16283	4502	10681	5045	6985	5453
6872	21856	4527	11717	5198	6870	5429
6693	13694	4531	7979	5251	6653	5415
6543	9928	4454	6603	5203	6750	5384
6467	8581	4422	6406	6123	8174	5354

6443	7817	4465	25301	7552	16585	5334
6399	7314	4485	52566	6722	25006	5317
6367	7438	4484	31269	6283	15330	5301
6389	7837	4482	14234	7113	10558	5289
6424	7103	4482	10548	6993	11754	5283
6415	6647	4493	12680	5807	21712	5265
6393	7111	4501	17566	5452	37578	5245
6365	9943	4515	17923	5568	36833	5265
6345	11912	4533	21290	7675	16030	5444
6330	8997	4509	24973	9694	12097	5679
6314	7664	4447	22417	10243	10639	5694
6318	12781	4444	21164	16991	10649	5681
6330	26251	4447	14058	17660	12310	5664
6324	31258	4418	10684	9904	14647	5657
6322	29373	4418	9554	7237	17806	5640
6330	24610	4435	8816	6056	17879	5632
6334	16445	4432	7833	5279	14556	5632
6327	17903	4435	7216	4894	13638	5625
6323	12817	4453	6790	4738	13229	5617
6324	10355	4459	6468	4634	12972	5606
6332	9490	4359	6194	4528	12538	5594
6329	8743	4223	5964	4425	11756	NaN
NaN	8198	NaN	NaN	NaN	NaN	NaN

DOY	1998	1999	2000	2001	2002	2003
1	50.58	48.83	51.30	51.04	50.12	50.25
2	50.64	47.72	50.99	51.16	50.73	50.22
3	50.22	47.31	51.10	50.95	50.56	50.55
4	49.60	47.16	51.21	50.85	50.26	50.77
5	49.04	47.45	51.15	50.63	50.23	50.63
6	48.03	47.66	50.93	50.51	50.11	50.65
7	47.90	48.19	51.19	50.18	50.50	50.48
8	48.21	48.57	51.19	50.30	50.40	50.29
9	48.46	48.52	50.94	49.56	50.39	50.25
10	48.77	48.32	51.22	49.69	50.52	50.00
11	48.96	48.10	51.25	49.59	50.38	50.07
12	49.18	48.01	50.48	49.37	50.31	49.90
13	48.59	48.41	50.45	49.24	49.98	50.16
14	48.50	48.32	50.56	49.14	49.87	49.93
15	48.51	48.61	50.16	48.95	49.55	49.59
16	48.51	48.97	49.42	48.76	49.29	49.82
17	49.66	48.75	48.54	48.80	49.26	50.09
18	49.74	48.63	49.44	48.63	48.99	50.26
19	49.17	48.39	49.90	49.16	48.90	50.03
20	48.83	48.47	49.96	48.71	49.09	49.57
21	49.36	48.10	49.26	48.98	48.89	49.32
22	49.89	48.35	49.32	49.37	48.45	49.39
23	49.71	48.37	49.02	48.84	48.25	49.43
24	49.61	47.75	49.03	48.60	48.08	49.44
25	49.61	48.01	49.50	47.34	47.84	49.77
26	49.68	48.40	49.50	47.07	48.40	49.75
27	49.51	48.02	49.35	47.10	47.78	49.58
28	49.25	47.92	49.79	46.85	47.40	49.41
29	49.60	47.53	50.04	47.30	47.45	49.61
30	49.36	47.73	49.80	46.64	47.24	49.53
31	49.17	47.71	49.34	46.85	47.20	49.20
32	49.41	47.51	49.33	46.83	47.56	49.21
33	48.88	47.52	49.79	47.71	47.74	48.91
34	49.09	47.84	49.31	48.65	47.92	48.95
35	48.87	47.88	48.92	49.27	48.02	48.81
36	48.73	47.46	49.03	49.29	47.76	48.81
37	48.81	47.25	48.66	48.74	47.78	48.67
38	48.74	47.12	48.57	48.48	48.14	48.59
39	48.77	46.96	48.75	48.04	48.00	48.65
40	48.64	47.24	49.33	47.22	47.89	48.88
41	48.57	47.17	49.86	46.32	47.72	48.98
42	48.64	47.26	49.58	45.74	47.90	48.72

43	48.57	47.54	49.15	45.94	48.62	48.70
44	48.76	47.53	49.10	45.63	48.54	48.81
45	48.79	47.62	49.61	45.65	48.65	48.95
46	48.70	47.58	49.23	45.19	48.49	48.71
47	48.34	47.47	49.17	46.46	48.32	48.42
48	48.29	47.53	49.28	46.71	48.61	48.37
49	48.39	47.52	49.27	47.25	48.21	48.48
50	48.38	47.31	49.37	47.58	48.14	48.53
51	48.30	47.18	49.36	47.53	48.13	48.59
52	48.05	47.11	49.48	47.04	48.29	48.94
53	48.13	46.99	49.16	46.36	48.51	49.09
54	47.98	47.13	48.76	46.69	48.25	49.02
55	48.16	47.07	48.87	45.95	49.19	49.03
56	48.07	46.83	48.80	46.58	49.10	48.87
57	48.09	46.70	48.94	46.82	49.19	48.65
58	48.04	46.85	48.99	46.82	49.24	48.90
59	48.13	46.97	48.86	46.52	49.00	48.61
60	48.11	47.05	48.88	46.10	48.56	49.00
61	48.00	47.11	48.78	46.70	48.87	49.01
62	47.93	46.96	48.80	46.09	49.08	49.16
63	47.98	46.78	49.13	46.44	49.05	49.13
64	47.99	46.82	48.91	47.31	48.82	49.15
65	48.01	46.88	48.89	47.88	49.19	49.28
66	47.85	46.96	48.91	48.28	48.95	49.39
67	47.85	46.67	48.78	48.41	48.40	49.58
68	47.95	46.57	48.59	48.04	47.96	49.39
69	48.01	46.76	48.59	47.75	48.36	50.17
70	48.32	46.90	48.69	48.22	49.12	49.91
71	48.31	47.01	48.96	48.43	49.21	49.76
72	48.41	47.20	49.04	48.72	48.76	49.60
73	48.84	46.89	49.16	48.66	48.82	49.66
74	49.13	47.08	49.39	48.52	48.61	50.52
75	49.86	47.51	49.32	49.69	48.71	49.79
76	49.65	47.44	49.55	50.04	48.55	49.97
77	49.44	47.28	49.53	50.41	48.61	50.15
78	49.03	47.55	49.81	50.86	48.93	49.80
79	48.81	48.17	49.68	50.73	49.66	50.39
80	48.42	47.42	49.37	51.42	49.95	50.41
81	48.56	47.35	49.55	51.61	49.48	50.07
82	48.90	47.67	49.91	51.59	49.53	50.82
83	48.32	47.60	50.05	51.30	49.97	51.12
84	48.01	48.21	50.08	51.39	50.02	50.60
85	47.96	48.44	49.99	50.82	50.50	51.29

86	47.92	48.40	50.25	50.54	50.98	51.25
87	47.94	48.80	50.21	51.28	51.46	51.79
88	48.30	48.38	50.28	51.99	51.74	52.18
89	48.48	47.70	50.54	52.54	52.07	52.16
90	48.14	47.84	50.95	52.66	52.30	52.33
91	48.48	48.16	51.54	51.95	52.22	52.41
92	48.45	48.35	52.07	50.25	52.26	51.56
93	48.54	48.41	52.41	49.78	52.01	50.80
94	48.88	48.84	52.50	49.45	51.37	51.52
95	48.95	48.35	52.45	49.90	50.26	51.33
96	49.14	49.19	52.35	49.48	51.57	51.13
97	49.45	48.87	51.91	50.39	51.57	52.02
98	49.40	48.85	52.38	50.01	51.35	52.51
99	49.41	48.69	51.45	50.95	50.53	52.80
100	49.60	47.67	51.84	51.23	51.64	52.58
101	49.79	48.73	53.13	52.10	51.47	53.34
102	49.19	49.41	53.73	52.14	51.90	51.93
103	49.49	50.01	52.83	52.07	52.29	51.67
104	49.75	50.16	52.40	52.41	52.33	52.19
105	49.99	50.74	51.94	52.19	51.17	51.22
106	50.24	51.15	51.76	52.55	49.79	51.29
107	50.35	51.16	51.60	52.89	50.29	51.89
108	50.37	50.91	50.97	52.26	50.91	52.27
109	51.32	50.80	50.74	51.62	51.45	52.75
110	51.41	50.89	50.97	49.69	52.26	52.60
111	51.41	49.90	51.54	49.31	52.26	52.54
112	51.66	49.68	53.27	49.34	51.45	52.69
113	50.97	49.88	53.52	50.19	51.53	51.83
114	50.72	51.18	52.13	50.29	51.57	51.04
115	50.44	51.85	50.90	50.29	51.84	50.47
116	51.39	51.95	51.01	50.31	51.39	50.74
117	52.14	50.61	51.24	50.28	50.66	51.24
118	51.78	50.49	50.41	50.12	50.98	51.45
119	51.55	51.53	50.58	49.57	51.67	50.06
120	51.54	52.60	50.75	49.85	51.71	50.61
121	51.03	52.76	51.05	49.90	50.98	51.24
122	50.69	51.74	51.04	49.57	51.30	50.85
123	51.09	51.24	50.97	49.59	51.42	50.72
124	51.65	51.09	51.39	49.85	51.74	50.65
125	52.18	51.51	51.42	50.28	51.56	50.80
126	52.01	52.37	50.93	49.99	51.62	51.09
127	52.52	51.65	50.67	50.00	51.30	51.80
128	51.22	51.21	50.36	50.08	51.04	51.46

129	50.76	51.65	50.96	50.31	51.50	51.78
130	50.35	52.14	51.26	50.24	51.17	52.70
131	50.17	51.59	51.18	50.17	50.79	53.08
132	51.10	50.83	51.13	50.27	50.92	53.39
133	52.13	50.98	51.00	50.40	51.09	53.18
134	52.23	52.09	50.98	49.61	51.20	52.61
135	52.33	52.31	50.54	49.31	51.70	51.81
136	52.25	52.39	50.54	50.60	51.43	51.37
137	52.72	51.87	51.14	51.11	52.50	51.02
138	53.50	51.45	52.82	51.32	53.30	51.33
139	54.15	51.29	52.78	51.49	52.09	51.88
140	52.12	51.10	51.81	51.75	51.80	51.77
141	51.66	50.59	50.89	51.64	52.28	51.11
142	51.97	49.73	50.81	50.98	53.11	50.74
143	53.01	49.69	50.76	50.53	53.40	50.97
144	52.38	49.72	51.03	50.53	52.60	51.19
145	52.62	49.77	50.89	50.29	51.53	50.94
146	52.21	49.94	51.23	50.77	51.25	50.94
147	51.74	50.15	51.18	51.10	50.87	51.13
148	51.70	49.90	51.24	51.22	51.03	51.14
149	51.29	49.44	50.61	51.50	51.42	50.81
150	52.20	49.64	50.79	51.86	51.03	50.62
151	53.53	50.04	50.97	52.05	50.79	50.95
152	52.62	49.59	50.96	51.66	50.75	51.31
153	51.30	49.29	51.18	51.37	50.65	51.45
154	50.17	49.24	51.36	51.20	50.52	51.41
155	50.42	50.37	51.36	51.60	50.84	51.43
156	50.77	51.09	51.18	51.28	50.93	51.30
157	50.92	52.04	51.34	50.61	51.19	51.17
158	50.30	51.11	51.18	50.63	50.99	50.91
159	50.45	51.64	51.24	50.83	50.82	51.32
160	50.59	50.79	51.39	51.43	51.12	51.14
161	50.64	50.96	51.10	52.21	51.65	51.10
162	50.46	51.14	51.79	52.21	51.62	51.00
163	50.30	51.17	51.25	52.24	51.82	50.95
164	49.58	51.09	50.96	52.39	52.46	50.92
165	51.08	50.95	51.11	52.56	53.38	51.02
166	50.80	50.44	51.48	52.82	52.40	51.11
167	50.08	50.41	51.36	52.54	52.21	51.24
168	50.00	50.45	51.14	52.61	52.20	51.28
169	50.11	50.06	51.37	52.75	52.13	51.13
170	50.63	50.61	51.33	53.31	52.41	51.29
171	50.25	50.35	51.47	53.41	52.30	51.41

172	50.08	50.61	51.39	51.73	52.30	51.50
173	49.95	51.12	51.25	51.61	52.46	51.61
174	50.33	51.09	51.47	51.71	52.78	51.64
175	50.10	51.06	51.53	51.39	52.61	51.72
176	50.09	51.49	51.33	51.24	51.86	51.82
177	50.40	51.83	51.39	50.76	52.01	51.80
178	50.62	51.18	51.45	51.45	52.38	51.83
179	50.60	50.96	51.52	53.61	52.75	51.63
180 NaN		51.02	51.54	54.12	52.56	51.65
181 NaN		51.40	51.99	53.18	52.36	51.62
182 NaN		51.57	52.16	52.23	52.19	51.71
183 NaN		51.61	52.20	52.59	52.17	51.65
184	51.62	51.64	52.53	52.59	52.24	51.63
185	51.32	51.77	52.60	52.54	52.32	51.58
186	51.46	51.97	52.50	53.00	52.28	51.81
187	51.19	51.69	52.50	53.05	52.34	51.89
188	51.05	51.49	52.70	53.17	52.42	51.99
189	51.02	51.56	52.78	53.27	52.57	51.34
190	51.06	51.46	52.93	53.65	52.65	51.08
191	51.08	51.42	53.34	53.39	52.52	51.13
192	51.12	51.64	53.16	53.45	52.75	51.21
193	51.17	51.66	52.71	53.09	52.77	51.51
194	51.23	51.55	52.70	53.17	52.82	51.60
195	51.31	51.93	52.66	53.33	53.04	51.65
196	51.45	52.18	52.61	53.39	53.06	51.78
197	51.38	52.15	52.84	53.74	53.02	51.93
198	51.24	51.98	52.99	53.80	53.08	52.06
199	51.34	52.17	53.16	53.29	53.10	52.08
200	51.47	52.06	53.25	53.15	53.09	52.35
201	51.59	52.13	53.35	53.51	53.46	52.23
202	51.55	52.32	53.39	53.44	53.42	52.32
203	51.18	52.42	53.13	53.59	53.56	52.32
204	51.27	52.46	52.02	53.69	53.38	52.52
205	51.58	52.55	51.82	52.28	52.90	52.18
206	51.47	52.35	51.84	51.37	52.86	52.11
207	51.53	52.54	52.79	52.47	53.03	52.43
208	51.70	52.32	53.66	52.80	53.37	52.48
209	51.72	52.24	53.08	52.77	53.38	52.61
210	51.65	52.21	52.42	53.01	53.39	52.66
211	51.60	52.23	52.27	52.95	53.42	52.55
212	51.70	52.29	52.18	52.99	53.30	52.79
213	51.78	52.47	52.82	53.24	52.88	52.69
214	51.84	52.59	53.35	52.85	52.86	52.46

215	51.97	52.61	52.87	52.72	53.08	52.66
216	52.04	52.57	52.64	53.02	52.62	53.10
217	52.03	52.46	53.24	52.93	52.70	53.14
218	52.14	51.94	53.45	52.04	52.85	52.70
219	52.00	51.64	52.90	51.91	53.15	52.65
220	52.10	52.07	52.57	51.93	53.28	52.64
221	51.86	52.33	53.28	52.16	53.07	52.79
222	51.88	52.26	53.78	52.10	52.49	53.19
223	52.01	52.32	52.93	52.02	52.63	53.13
224	52.13	52.75	52.73	52.09	52.29	52.88
225	52.24	52.67	52.41	52.10	52.49	52.92
226	52.31	52.48	52.54	52.19	52.54	52.86
227	52.38	51.68	52.57	52.43	53.03	52.88
228	52.28	51.48	52.68	52.57	53.15	53.18
229	52.22	51.01	52.90	52.58	53.29	53.22
230	52.22	51.36	53.05	52.68	52.83	53.51
231	51.90	51.35	52.94	52.91	52.98	53.68
232	51.63	51.20	52.95	52.94	53.06	53.89
233	51.79	51.65	52.67	53.23	53.20	53.86
234	52.14	51.49	52.57	53.19	52.93	53.74
235	52.23	50.99	52.72	53.33	53.18	54.15
236	52.27	51.00	52.84	53.32	53.11	54.30
237	52.38	51.31	53.06	52.91	52.90	54.34
238	52.21	51.17	53.20	52.78	53.16	54.05
239	52.42	50.91	53.31	53.11	53.05	53.87
240	52.43	51.30	53.11	53.33	52.17	53.71
241	52.68	51.58	52.85	53.37	51.89	53.87
242	52.68	51.48	52.49	53.24	52.37	53.74
243	52.41	51.11	52.72	53.18	52.74	53.66
244	52.32	51.09	52.74	53.09	52.82	53.74
245	52.46	51.52	52.78	53.08	52.77	53.83
246	52.67	51.84	53.10	53.01	52.82	53.21
247	52.83	52.11	53.82	53.08	53.25	53.39
248	52.45	52.09	53.88	52.90	52.68	54.02
249	52.51	52.23	54.22	52.99	51.69	54.16
250	52.33	52.46	54.47	53.22	52.12	53.50
251	52.78	52.01	53.88	53.27	52.36	53.56
252	52.85	51.65	53.74	53.12	52.62	53.26
253	52.57	51.76	53.55	53.27	52.64	53.79
254	52.89	52.35	53.56	52.62	52.88	54.23
255	53.05	52.04	53.73	53.06	52.59	54.14
256	52.96	52.03	53.39	53.50	52.47	53.90
257	52.92	51.72	53.30	53.92	52.37	53.47

258	53.00	51.49	53.00	54.11	52.02	53.46
259	53.06	51.42	53.27	54.18	52.18	53.70
260	52.95	51.70	53.70	54.48	52.45	53.84
261	52.94	52.14	54.11	54.33	52.61	53.93
262	52.99	52.31	53.90	54.56	52.65	54.15
263	53.04	52.42	54.14	54.58	52.36	54.35
264	53.01	52.23	53.88	54.67	52.52	54.23
265	53.00	52.18	53.59	54.53	52.08	54.11
266	53.25	52.34	53.20	54.42	52.21	54.13
267	53.28	52.23	53.14	54.42	52.23	54.15
268	53.32	51.82	53.07	54.75	52.53	54.09
269	53.29	51.80	53.22	54.85	52.57	54.07
270	52.71	51.32	53.63	55.08	52.51	53.83
271	53.10	51.24	54.14	55.26	52.52	53.88
272	53.67	51.13	54.41	55.37	52.82	53.87
273	53.79	50.74	54.68	55.50	52.68	53.94
274	53.71	51.13	54.75	55.72	52.47	54.04
275	53.75	51.36	54.34	55.88	53.32	54.21
276	53.83	51.25	54.23	55.84	53.34	54.18
277	53.59	51.70	53.97	55.18	54.14	54.19
278	53.65	51.27	53.86	54.82	54.21	54.13
279	53.63	51.73	53.99	55.01	54.23	54.24
280	53.81	52.22	54.01	55.05	53.86	54.37
281	54.06	52.00	54.05	55.30	53.68	54.31
282	53.95	51.84	54.20	55.05	53.22	54.23
283	53.87	52.01	53.58	55.14	53.31	53.86
284	53.63	52.21	53.76	55.45	53.40	53.67
285	53.54	52.26	53.60	55.44	53.25	53.81
286	54.18	52.09	53.97	55.84	53.52	53.53
287	54.03	52.34	54.23	56.16	53.60	53.54
288	53.87	51.92	54.50	55.48	53.78	53.15
289	53.69	51.65	54.42	55.69	53.82	53.41
290	53.78	51.40	54.29	55.73	53.64	53.53
291	53.95	51.49	54.27	55.55	53.37	53.51
292	54.28	51.51	54.32	55.32	53.57	53.63
293	54.27	51.90	54.50	55.41	54.43	53.64
294	54.38	51.91	54.07	55.54	55.13	53.79
295	54.32	51.97	54.20	55.46	55.41	53.67
296	54.15	52.20	53.98	55.51	54.15	53.94
297	53.95	52.06	54.15	54.91	53.61	53.74
298	54.20	52.14	54.27	55.16	53.91	53.97
299	54.19	51.74	54.16	55.11	53.99	54.05
300	54.27	52.26	54.32	54.53	54.22	54.03

301	54.52	52.29	54.22	54.84	54.27	54.48
302	54.12	52.06	54.18	54.99	54.06	53.98
303	53.95	52.23	54.27	55.97	53.86	53.27
304	53.42	52.72	54.12	55.78	53.65	52.74
305	53.63	52.62	54.29	55.47	53.53	52.54
306	53.76	52.71	54.45	55.12	53.72	52.27
307	54.05	52.68	55.14	55.39	54.08	52.78
308	53.92	52.72	55.10	55.29	54.09	52.88
309	53.93	52.96	54.96	55.33	54.43	53.23
310	53.61	52.95	55.16	55.38	54.83	52.86
311	53.47	52.75	54.63	55.23	55.03	52.92
312	53.36	53.04	54.39	55.10	55.76	53.04
313	53.40	52.75	54.81	55.20	55.10	52.91
314	53.29	52.78	54.21	55.15	55.53	53.41
315	53.56	53.32	53.84	55.68	55.63	53.32
316	53.54	53.12	53.65	55.78	54.99	53.57
317	53.85	53.38	53.44	55.53	55.06	52.83
318	53.84	52.15	52.72	55.79	55.01	52.99
319	54.01	51.29	52.87	55.90	54.65	52.88
320	53.84	50.92	53.12	55.81	54.25	52.83
321	53.93	50.86	53.36	55.77	54.33	53.47
322	54.09	50.54	53.51	55.29	54.20	53.39
323	54.43	50.43	53.28	55.37	54.77	53.36
324	54.35	51.30	53.36	55.38	54.83	53.40
325	54.26	51.30	53.22	55.40	54.74	52.69
326	54.14	51.11	52.93	55.48	54.66	52.23
327	53.80	51.28	53.38	54.22	54.15	52.16
328	53.48	51.55	52.92	53.31	54.03	52.17
329	53.47	51.70	53.36	53.64	53.56	51.94
330	53.35	51.64	53.03	53.93	53.51	52.22
331	53.49	51.89	52.95	53.41	53.64	51.92
332	53.24	51.86	53.07	53.11	53.51	52.20
333	52.97	51.69	53.23	52.17	53.28	52.40
334	52.88	51.50	53.14	53.03	53.17	52.73
335	52.58	51.30	53.14	51.96	52.89	52.64
336	53.68	51.22	52.83	52.03	52.82	52.80
337	53.53	51.19	52.78	52.37	52.65	53.00
338	52.82	50.92	52.95	52.10	53.18	52.36
339	52.92	50.95	53.94	51.71	53.00	52.58
340	52.95	51.00	54.01	52.64	53.08	52.90
341	52.78	50.98	53.80	52.60	53.25	52.52
342	53.19	51.73	53.93	52.22	53.25	51.56
343	53.15	51.80	54.06	52.19	53.04	51.32

344	53.38	51.81	53.50	51.47	53.62	51.28
345	53.04	52.11	54.07	51.03	53.64	51.93
346	53.02	52.33	53.29	50.58	53.35	51.74
347	52.88	52.06	53.52	50.44	52.99	51.82
348	52.68	51.68	52.76	49.94	53.11	51.54
349	52.74	51.58	52.73	50.16	52.13	50.57
350	52.85	51.40	52.91	50.20	51.57	51.15
351	52.85	51.94	52.54	50.24	51.60	51.93
352	52.21	52.26	52.09	50.45	50.79	51.95
353	51.63	52.58	51.91	50.16	49.88	51.75
354	51.32	52.63	52.11	49.68	49.06	51.76
355	50.31	52.37	52.54	49.64	49.88	51.96
356	49.94	52.26	51.97	49.27	49.71	51.50
357	49.59	51.93	52.29	49.65	49.36	51.54
358	49.41	51.88	51.30	48.74	49.29	51.16
359	49.36	51.80	51.15	48.93	49.75	50.98
360	49.80	51.52	50.71	49.25	49.78	51.08
361	49.60	51.53	50.51	49.17	50.56	51.11
362	49.46	51.34	50.30	49.13	50.28	50.88
363	49.40	51.03	50.57	49.33	50.10	49.57
364	49.30	51.01	50.59	49.40	49.78	49.94
365	49.10	50.90	50.74	49.90	49.10	50.20
366	NaN	NaN	50.50	NaN	NaN	NaN

2004	2005	2006	2007	2008	2009	2010
49.17	50.41	50.49	49.58	47.73	48.60	48.62
49.10	50.42	50.70	49.83	47.71	48.29	48.90
49.48	50.86	50.60	49.51	47.81	47.75	48.69
49.90	50.72	50.91	49.62	47.84	47.34	48.47
49.85	50.64	50.93	49.15	47.29	47.39	48.86
49.88	50.87	51.18	48.96	47.08	47.79	48.73
50.12	50.54	51.00	49.04	47.24	48.02	48.62
50.63	50.23	50.68	49.35	46.94	47.95	48.68
50.27	50.59	50.71	49.37	47.36	47.68	48.63
50.06	50.69	50.56	49.39	47.35	48.06	49.06
50.24	50.82	50.40	49.47	47.72	47.97	48.76
50.02	50.45	50.27	49.04	47.88	48.46	48.67
49.94	50.17	50.04	48.79	47.78	48.27	49.43
49.37	50.15	49.86	48.74	47.34	47.79	49.02
49.90	50.26	49.47	48.86	46.91	47.64	49.16
49.74	50.45	49.46	48.64	46.05	47.57	49.54
49.75	50.69	49.52	48.80	46.47	47.26	49.49
50.02	50.72	49.52	48.81	46.77	47.16	49.45
49.46	50.73	49.11	49.04	46.61	47.15	49.02
49.71	50.63	49.06	49.17	46.36	46.88	48.52
49.35	50.48	49.48	49.11	45.92	46.63	48.56
48.77	50.40	49.18	49.25	45.61	46.91	48.40
48.47	50.28	49.72	49.18	45.71	47.41	48.17
48.82	50.35	50.23	49.11	45.12	48.39	48.32
48.32	50.56	50.02	49.17	45.25	48.70	48.16
47.87	50.62	49.78	49.24	45.96	48.30	48.41
47.66	50.42	49.43	49.15	45.88	47.96	48.37
47.61	50.06	49.16	49.16	45.34	47.97	48.51
48.43	50.17	48.93	49.24	44.70	48.22	48.51
48.80	49.85	48.45	49.30	44.74	48.46	48.81
48.63	49.84	48.26	49.26	44.32	48.62	48.99
48.28	49.83	48.21	49.40	44.91	48.71	48.32
47.69	49.76	48.41	49.25	43.95	48.83	48.34
47.93	50.01	48.58	49.23	44.65	48.73	48.55
48.36	49.74	48.03	49.29	44.89	48.65	48.15
48.48	49.79	47.85	49.37	45.06	48.32	48.48
48.13	49.41	48.15	49.43	45.63	48.59	48.40
48.29	49.74	48.30	49.46	45.92	48.37	48.69
48.38	50.03	48.57	49.39	45.77	47.58	48.23
48.31	49.97	48.62	49.44	46.17	47.51	48.88
48.44	50.03	48.69	49.39	46.11	46.48	47.98
48.44	49.84	48.63	49.72	46.51	46.60	48.30

48.56	49.72	48.56	49.42	46.65	46.83	48.30
48.02	49.92	48.53	49.49	46.35	46.21	48.72
48.61	50.02	48.53	49.44	45.81	45.97	48.25
48.51	49.88	48.70	49.57	46.07	45.96	48.87
48.73	50.03	48.87	49.72	45.96	45.75	49.44
48.76	50.23	48.98	50.04	46.05	45.68	49.45
48.62	49.94	48.49	49.99	46.33	46.51	49.44
48.17	50.13	48.78	49.83	45.79	46.97	49.56
48.26	50.26	48.69	49.61	45.89	47.49	49.67
48.23	50.14	48.61	49.25	45.46	47.44	49.32
48.26	50.34	48.75	49.37	46.35	47.69	48.75
48.37	50.35	49.09	49.10	45.23	48.73	48.33
48.21	50.26	49.05	48.83	45.83	48.74	48.65
48.39	50.37	49.07	49.07	46.79	47.76	48.83
47.87	50.48	49.00	49.12	46.79	48.45	48.61
48.00	50.21	48.16	48.70	47.13	48.00	49.50
48.13	50.16	47.79	48.64	47.65	47.81	49.32
48.29	49.91	47.46	48.59	47.20	47.97	49.15
48.17	49.97	47.25	48.84	47.49	48.82	49.31
48.35	49.27	46.96	49.28	47.10	48.44	49.25
48.29	49.71	47.55	49.63	47.54	48.33	48.73
48.40	50.20	47.41	49.75	47.39	48.29	49.46
48.47	50.51	47.59	49.94	47.23	48.40	49.76
48.66	50.64	47.86	49.99	46.59	48.43	50.24
48.83	50.62	47.72	50.07	46.31	48.33	49.36
49.00	50.62	47.67	50.14	47.20	47.84	48.73
48.99	51.05	47.38	50.31	47.67	47.73	49.53
48.84	51.17	47.55	50.58	47.90	48.42	49.71
48.97	51.11	47.43	50.87	48.63	49.00	48.59
49.04	50.81	47.40	51.19	48.70	49.26	48.80
48.98	50.42	47.41	51.41	48.92	48.79	49.19
49.15	50.14	47.22	51.56	48.50	48.46	49.45
49.49	49.36	47.17	51.75	48.49	49.70	49.50
49.64	49.41	47.28	51.89	48.44	49.79	50.38
49.83	49.50	47.40	52.14	48.69	49.69	50.50
49.96	49.43	47.57	52.16	49.10	50.07	50.80
49.99	49.13	47.40	52.34	48.09	50.10	50.55
50.04	49.13	47.46	52.05	48.81	49.21	50.38
50.23	50.08	47.64	51.87	49.04	49.40	51.14
50.25	50.30	47.67	52.24	49.17	49.13	51.15
50.36	50.00	47.54	52.66	49.37	49.75	51.02
50.34	50.20	47.42	52.70	49.06	49.62	50.21
49.12	50.41	47.39	52.29	49.83	50.19	50.84

48.90	49.90	47.46	51.69	48.86	50.68	51.00
49.96	50.96	47.27	51.38	48.67	50.75	50.15
50.73	51.10	47.32	51.32	47.89	50.07	50.27
50.99	51.24	47.64	52.07	47.96	49.96	50.47
50.53	51.40	47.60	52.63	48.07	50.15	49.69
50.73	51.00	47.44	52.58	48.26	50.06	50.11
50.88	51.34	47.61	52.26	48.93	50.00	48.92
50.87	50.25	47.85	52.20	50.00	49.52	49.13
50.72	51.14	48.02	52.45	50.06	49.40	48.53
50.41	51.52	47.95	52.83	49.79	49.30	48.94
50.50	51.47	47.90	53.15	49.53	49.77	49.71
50.61	51.10	48.00	53.33	49.42	49.17	50.65
49.74	50.55	47.85	53.00	49.26	48.87	51.04
49.58	51.80	47.94	52.69	49.07	48.50	51.13
50.35	51.75	47.89	52.16	49.33	49.12	50.67
50.83	51.64	48.09	51.91	49.36	49.46	49.97
51.52	51.07	49.04	52.40	49.78	50.18	49.74
51.47	51.04	48.75	52.35	50.15	50.47	50.50
51.11	51.36	48.88	52.89	50.25	49.35	50.09
50.47	51.67	48.33	53.08	50.00	49.46	51.15
50.38	51.58	48.32	53.30	49.44	49.78	51.43
50.55	51.97	48.50	53.97	49.47	50.25	51.90
50.66	51.84	48.98	53.02	49.76	50.50	52.23
49.49	51.98	49.43	51.66	50.15	50.72	51.95
49.11	52.24	49.54	52.32	50.02	50.98	51.26
49.39	52.61	49.46	52.21	49.30	50.77	51.58
50.26	52.58	49.65	53.12	49.27	50.99	51.81
50.94	51.70	49.70	52.85	48.69	50.92	51.82
51.24	51.87	49.40	53.74	49.01	50.51	52.09
51.56	52.10	49.57	54.29	49.33	49.89	52.26
51.40	52.17	50.05	54.24	49.92	50.09	50.55
51.37	52.32	50.47	52.01	50.74	49.94	50.76
51.30	52.54	50.77	51.45	50.94	49.24	50.11
51.03	52.86	50.82	51.41	51.08	49.43	50.44
50.74	52.45	50.43	51.41	50.37	49.49	51.02
50.65	52.74	50.25	50.21	49.87	49.30	51.90
50.84	52.85	50.42	49.98	49.94	49.21	52.44
50.95	52.50	51.04	50.12	50.47	49.89	51.80
51.12	51.85	51.21	51.05	50.82	50.19	51.08
51.16	51.82	51.30	51.52	50.89	50.97	50.97
50.92	51.17	51.57	52.01	51.09	51.37	50.93
50.38	51.10	50.79	52.67	50.83	51.36	50.97
49.74	50.65	50.24	52.22	50.64	51.04	51.30

49.78	51.56	50.00	51.28	50.39	51.19	52.05
50.14	51.29	49.78	51.15	50.47	51.26	51.62
50.21	50.81	49.84	50.90	50.35	51.33	51.94
50.06	51.46	50.43	50.82	50.57	50.99	52.56
50.27	51.38	50.36	50.94	50.52	50.85	53.20
50.61	51.49	50.67	50.87	50.73	51.33	53.34
50.64	51.40	50.76	50.78	51.25	51.55	53.24
50.78	52.51	50.55	51.13	51.16	51.51	53.16
50.85	50.66	50.68	51.17	51.59	51.42	52.55
50.75	50.70	50.74	51.19	51.77	51.31	52.34
50.64	51.63	49.91	51.06	51.44	51.37	51.68
50.65	52.16	50.02	51.06	51.38	51.31	51.97
50.95	52.45	49.89	50.96	50.94	51.35	51.75
51.05	52.68	49.95	50.64	50.79	51.39	51.47
50.93	52.41	49.87	50.73	51.14	51.46	51.71
50.79	52.36	49.96	50.79	50.84	51.59	52.14
51.11	51.90	50.32	50.88	50.26	51.76	52.01
51.18	52.38	50.39	50.97	50.08	52.02	52.89
51.06	51.86	50.31	51.08	50.74	52.08	52.66
50.79	51.42	50.38	51.18	51.15	51.94	53.48
50.60	50.61	50.67	50.95	51.41	51.94	54.15
50.81	51.07	50.66	50.87	51.66	52.19	54.90
50.98	51.38	50.30	50.80	51.94	52.23	54.93
51.06	51.27	50.10	50.99	52.21	51.75	53.96
51.15	51.21	50.38	51.41	52.20	51.75	51.04
51.39	51.46	50.41	51.09	52.56	52.01	50.80
51.32	51.43	50.82	50.79	52.92	52.38	50.98
51.50	51.29	50.89	50.83	52.77	51.20	51.07
51.29	50.83	51.01	50.77	53.10	51.36	51.51
51.36	50.88	50.99	50.99	53.28	52.26	51.75
51.03	50.62	50.70	50.98	53.22	52.55	51.92
51.00	51.08	50.86	51.12	53.58	52.46	52.04
50.95	51.61	50.81	51.23	54.00	52.53	51.44
51.30	51.68	50.67	51.37	53.68	52.22	51.09
51.53	51.63	50.88	51.48	53.80	52.57	51.24
51.74	51.57	50.53	51.47	53.98	52.97	51.25
51.78	51.76	50.25	51.70	54.34	53.07	51.30
52.04	51.89	51.10	52.05	54.12	53.08	51.47
52.15	51.07	51.94	52.10	54.19	53.13	51.20
52.07	50.88	51.29	52.04	54.41	53.54	51.60
52.00	50.82	51.19	52.89	54.44	53.47	51.08
52.41	51.71	51.17	52.62	54.41	53.67	51.23
52.71	52.21	51.08	52.57	54.50	53.37	51.32

52.81	52.19	50.91	52.51	54.82	53.28	51.64
52.75	52.02	50.82	52.68	54.41	53.54	51.22
52.64	52.13	50.96	52.11	54.56	53.83	51.05
52.73	52.17	51.00	51.61	54.66	53.70	50.77
52.97	51.98	51.05	52.11	55.00	53.90	51.13
52.99	52.22	51.00	52.62	55.04	54.14	51.56
53.00	52.41	51.08	52.88	55.57	54.25	51.56
53.09	52.06	50.72	52.95	56.10	54.26	51.55
53.07	51.92	51.08	52.96	55.22	54.38	51.59
53.19	51.79	51.36	52.83	55.22	54.56	51.49
52.96	51.90	51.27	53.22	55.45	54.56	51.40
52.88	51.88	51.48	53.06	55.34	54.69	51.46
52.84	51.92	51.47	52.80	54.94	54.89	51.49
52.60	52.03	51.41	53.31	54.96	55.10	51.63
52.65	52.13	51.36	53.22	55.04	55.33	51.62
52.92	52.20	51.47	53.47	54.99	55.30	51.80
53.03	52.25	51.63	53.54	55.63	54.91	51.77
52.94	52.23	51.68	53.84	55.26	54.63	51.79
52.98	52.36	51.76	54.01	54.94	54.52	51.97
53.20	52.34	51.98	53.88	54.72	54.80	51.88
53.07	52.39	51.91	53.77	54.57	55.04	51.83
53.16	52.28	51.93	53.61	54.55	55.18	52.02
53.26	52.47	51.90	53.87	54.36	55.28	51.98
53.32	52.56	51.97	54.05	54.63	54.84	51.95
53.56	52.65	51.88	54.25	55.09	55.05	51.87
53.59	52.80	52.01	54.46	55.09	54.92	51.78
53.57	52.61	52.26	54.42	54.24	54.44	51.80
53.30	52.74	52.28	53.85	53.66	54.47	51.64
53.31	52.95	51.71	53.90	53.47	54.72	51.63
53.22	53.06	51.55	54.22	53.75	54.59	51.59
53.45	52.15	51.19	54.55	53.89	53.92	51.67
53.59	51.77	51.47	54.84	53.99	53.65	51.76
52.83	51.93	52.01	54.75	53.99	53.52	51.80
52.71	52.23	52.02	54.51	54.23	53.73	51.79
52.76	52.13	52.25	53.67	53.89	53.78	51.93
52.76	52.17	52.01	52.89	54.25	53.80	51.99
52.94	52.44	52.14	53.00	54.38	54.18	52.02
52.99	52.41	52.26	53.16	54.48	54.26	52.04
53.24	52.55	52.32	53.07	54.49	54.27	51.80
53.36	52.66	52.22	53.22	54.61	54.20	51.83
53.26	52.77	52.16	53.31	54.60	54.42	51.87
52.68	52.82	52.31	53.24	54.87	54.31	52.01
52.27	52.69	52.54	53.47	54.66	54.57	52.07

52.28	52.57	52.60	53.94	54.25	54.54	52.07
52.44	52.94	52.64	54.06	54.35	54.58	52.36
53.09	53.04	52.68	54.01	54.19	54.33	52.46
53.75	53.20	52.78	53.97	54.37	54.04	52.53
53.08	53.31	53.18	54.24	54.52	54.23	52.70
52.79	53.22	52.47	54.19	54.33	54.63	52.74
52.99	53.52	52.07	53.95	53.76	54.73	52.83
53.14	53.68	52.19	53.63	53.96	54.80	52.71
53.30	53.84	52.18	53.46	54.59	55.16	52.47
52.78	53.86	52.23	53.28	54.56	54.56	52.50
52.59	54.27	52.33	53.47	54.76	53.66	52.54
52.90	53.81	52.28	53.36	55.07	53.63	52.69
53.16	53.92	52.52	53.30	55.04	53.93	52.89
52.99	54.00	52.66	53.64	54.73	53.70	53.00
53.23	54.20	52.17	53.92	54.89	54.07	52.77
52.94	53.88	51.56	53.55	54.94	54.28	51.91
52.82	53.52	51.64	52.86	55.19	54.29	51.86
52.71	53.45	51.57	52.88	55.20	54.38	52.03
52.78	53.78	51.62	53.23	55.05	54.54	52.07
52.92	54.01	51.66	53.45	54.73	54.72	52.06
52.69	54.02	51.74	53.43	55.01	54.63	52.37
52.83	54.08	51.78	53.46	55.18	54.57	52.01
53.54	54.11	52.17	53.71	55.61	54.94	52.22
53.80	53.97	52.18	53.71	55.83	54.74	52.29
53.61	54.13	52.32	53.69	55.44	54.97	52.59
53.36	54.13	52.34	53.72	54.97	54.68	51.66
53.67	54.45	52.51	53.62	55.02	55.15	51.85
53.72	54.40	52.62	53.68	55.06	54.71	51.81
54.03	54.07	52.23	54.24	55.10	54.86	52.28
54.09	53.50	52.22	54.44	55.10	54.79	52.74
54.41	53.74	52.42	54.15	55.23	54.78	52.74
54.87	53.69	52.37	53.53	55.47	54.65	52.79
54.57	53.87	52.29	53.73	55.77	54.09	52.73
54.26	54.02	52.28	54.04	54.79	54.77	52.93
54.55	54.07	52.47	54.06	54.98	54.86	52.66
54.85	54.15	52.86	53.67	54.87	54.81	52.26
55.10	54.34	52.81	53.14	54.79	54.76	51.93
55.36	54.37	52.48	53.35	55.04	54.73	51.64
54.88	54.28	52.29	53.58	55.11	54.89	51.60
55.00	54.15	52.15	53.77	55.37	54.89	51.72
54.98	54.18	52.21	54.18	55.45	54.82	51.51
55.42	54.26	52.37	53.89	55.54	54.69	51.62
55.48	54.39	52.38	54.18	55.66	55.16	52.52

55.54	54.43	51.73	54.64	55.80	55.32	52.72
55.85	54.31	51.76	55.06	55.95	55.50	53.05
55.88	54.46	52.13	55.94	55.98	55.76	52.76
55.69	54.61	51.88	56.56	56.31	55.94	53.15
55.57	54.56	52.04	54.81	56.19	56.12	51.93
55.36	55.05	52.08	54.96	55.94	56.42	52.08
55.67	55.38	52.30	55.26	56.19	56.39	51.80
56.09	55.36	52.05	54.52	56.50	56.13	52.13
56.27	54.97	52.18	55.32	56.55	55.90	52.70
56.51	54.32	52.16	55.54	56.63	55.78	52.92
56.45	54.39	52.16	55.72	56.78	55.80	52.87
56.52	54.20	52.17	54.56	56.56	56.10	53.05
56.59	54.60	52.36	54.44	56.61	55.95	52.95
56.61	55.13	52.36	53.93	56.88	55.47	53.24
56.79	55.12	52.35	54.06	57.03	55.30	53.31
56.55	54.99	52.34	54.08	57.17	55.16	53.27
56.74	54.59	52.26	54.69	57.20	55.20	53.33
56.81	54.50	52.21	55.04	57.32	55.10	53.36
56.62	54.49	51.98	55.06	57.62	54.82	53.23
56.55	54.55	51.82	54.66	57.09	54.28	52.67
56.67	54.76	51.82	54.60	57.34	54.63	53.27
56.61	55.04	52.20	54.76	57.34	54.75	53.26
56.40	54.87	52.34	55.39	57.09	55.28	53.11
56.60	55.22	52.56	55.44	57.21	55.46	53.23
56.51	55.14	52.74	54.99	57.49	55.79	53.43
56.19	55.13	52.60	55.08	57.27	56.01	54.02
55.31	55.22	52.64	54.64	56.88	55.82	54.14
56.39	55.30	52.70	54.32	56.80	54.93	54.07
56.22	55.64	52.60	53.97	56.71	54.82	53.89
56.66	55.47	52.69	54.69	57.02	55.76	53.40
56.42	55.29	52.81	55.36	57.32	55.56	53.20
56.38	55.66	52.98	55.03	57.39	56.81	53.05
56.33	55.77	52.80	55.14	57.56	57.29	52.51
55.72	55.88	52.83	54.98	57.55	57.13	53.09
55.03	55.77	53.12	55.59	57.41	56.53	52.90
54.59	55.95	53.28	54.91	57.23	56.71	52.66
55.24	56.05	53.13	54.94	57.30	56.85	52.72
56.04	55.93	53.19	55.93	57.36	57.15	52.64
57.01	55.91	53.18	56.11	57.33	57.52	52.03
56.77	56.00	53.18	56.06	57.21	57.62	52.50
56.31	56.00	53.01	56.09	57.18	57.33	51.89
55.57	55.98	53.14	55.59	57.35	57.15	51.96
55.92	55.77	52.95	55.85	57.42	56.88	51.49

55.94	55.47	52.88	55.80	57.46	56.54	51.65
55.38	55.80	52.95	56.24	57.36	56.63	51.89
56.11	55.80	53.00	56.55	57.29	57.01	51.68
56.02	56.08	52.94	56.18	57.68	57.09	52.30
55.88	55.88	52.86	56.16	58.13	57.42	52.54
56.40	55.98	53.05	56.16	57.87	57.41	52.92
56.54	55.36	53.27	56.16	57.93	57.29	52.60
56.13	55.61	53.58	55.76	57.05	57.48	52.38
56.08	55.28	53.68	55.72	57.03	57.10	52.39
56.35	55.44	54.06	55.75	56.27	57.60	52.26
56.67	55.65	54.19	55.81	57.02	57.33	52.24
56.43	55.24	54.33	55.90	57.26	57.20	52.16
56.43	55.47	53.37	56.23	57.80	56.49	50.89
56.40	55.70	52.50	55.87	57.51	57.19	51.29
56.22	55.71	52.67	56.08	57.09	56.95	51.01
56.17	55.60	52.04	55.59	56.66	57.10	51.03
56.00	55.56	51.89	56.45	56.96	56.53	50.89
56.46	55.61	52.53	56.27	57.43	56.51	51.36
55.66	55.40	52.52	56.01	57.16	56.21	51.95
55.69	55.34	52.43	56.34	57.04	55.94	51.76
56.28	55.39	52.43	56.45	56.81	55.36	51.50
55.98	55.12	52.79	56.24	56.50	55.60	51.25
55.86	54.98	52.89	56.15	56.41	55.43	51.11
55.29	54.88	52.98	54.70	56.05	54.73	50.49
54.57	54.71	52.97	54.56	55.50	54.98	50.69
54.19	54.86	52.60	54.26	55.40	55.34	50.57
54.54	54.51	52.32	53.95	55.06	55.17	50.76
54.59	54.28	52.11	53.74	55.21	55.70	50.18
55.17	54.46	51.96	54.32	55.39	55.58	50.20
54.76	53.94	51.73	54.05	55.63	55.14	50.26
54.73	53.79	51.91	54.46	55.86	55.26	50.32
54.62	53.27	51.53	54.07	55.79	54.37	50.44
53.71	52.90	51.40	53.80	55.38	54.28	50.43
53.41	52.94	51.58	53.32	55.70	54.24	50.50
53.47	52.82	51.72	52.74	55.56	53.91	51.01
53.42	52.74	51.87	52.70	55.04	53.68	50.98
53.15	52.74	51.93	53.12	55.18	53.63	50.95
52.92	52.56	52.09	53.61	54.35	52.96	51.20
52.75	52.52	52.36	53.59	54.11	52.12	51.45
52.97	52.71	52.10	53.35	54.11	51.40	51.49
52.86	52.62	52.10	53.16	53.73	50.92	51.60
52.71	52.79	52.07	51.86	53.47	50.32	51.42
52.04	52.66	52.23	50.97	53.70	50.12	51.72

53.03	52.67	52.11	51.11	53.10	50.07	51.88
53.21	52.51	52.09	51.01	52.98	50.34	51.91
53.13	52.32	51.94	51.07	52.71	50.55	51.55
53.42	52.11	51.89	51.26	52.53	51.11	51.43
53.47	51.87	52.18	51.11	52.17	51.07	52.16
53.62	51.69	51.95	51.00	51.43	51.09	53.18
53.33	51.43	51.16	50.64	51.26	50.98	53.15
52.88	51.33	51.04	50.65	51.12	51.23	52.98
52.47	51.33	50.86	50.69	50.56	51.12	53.24
52.30	51.36	50.57	50.27	49.97	50.43	53.18
52.23	51.38	50.39	50.12	50.64	50.21	52.71
52.02	51.43	50.58	49.29	50.36	50.26	52.40
51.86	51.70	50.43	49.07	50.43	49.57	52.31
51.72	51.90	50.43	49.92	50.28	49.03	52.24
51.34	51.76	50.35	49.73	50.03	49.19	52.56
51.41	51.72	50.38	49.09	49.79	49.10	52.47
51.71	50.87	49.98	48.52	49.56	48.63	51.99
51.81	50.49	49.94	48.02	49.25	48.95	51.73
50.67	50.78	49.43	47.96	49.30	48.73	51.62
51.49	50.66	49.34	47.67	49.00	48.11	51.17
51.10	51.13	49.21	48.54	49.20	48.68	50.82
50.82	51.70	49.40	47.50	49.11	48.40	50.70
50.80 NaN	NaN	NaN		48.40 NaN	NaN	

2011	2012	2013	2014	2015	2016	2017
50.86	50.88	47.84	50.39	49.86	48.79	49.60
50.98	50.62	47.64	50.36	49.87	49.09	49.15
51.03	50.87	47.44	50.41	50.15	49.33	48.91
50.85	50.85	47.54	49.78	50.57	49.19	48.60
50.65	50.99	47.33	49.74	50.67	49.09	47.55
50.65	50.63	48.32	49.16	50.92	49.17	47.96
50.25	50.63	48.40	49.10	50.88	49.24	48.12
49.90	50.49	48.72	49.25	50.83	49.19	48.40
49.76	50.23	48.43	49.68	51.08	48.91	48.78
49.59	50.17	47.96	49.45	51.08	49.34	48.49
49.56	50.33	47.93	49.26	51.14	48.97	48.31
49.76	49.99	47.52	49.04	51.38	49.21	48.60
49.64	49.91	47.05	49.32	51.16	49.18	49.46
50.00	49.76	46.86	49.23	50.57	47.97	49.50
49.89	49.39	47.45	49.15	50.37	48.27	49.32
50.24	48.81	47.91	49.22	50.63	48.37	49.18
49.91	48.41	48.11	49.28	50.99	48.85	49.03
49.72	48.54	47.90	49.34	51.07	49.41	48.77
49.52	48.39	47.99	49.41	51.09	49.89	48.37
49.68	48.10	47.91	49.31	50.79	49.53	48.18
49.85	48.17	47.66	48.97	50.77	49.32	48.17
50.13	47.81	47.34	49.03	50.82	49.30	47.80
49.88	48.11	47.25	48.97	50.80	49.38	47.95
49.93	48.48	48.06	49.15	51.25	49.10	48.06
50.06	49.03	48.04	49.01	51.11	49.91	47.92
49.99	49.25	48.06	49.22	50.95	49.44	47.96
49.79	48.89	47.49	49.02	50.96	49.31	47.90
49.70	48.76	47.38	49.68	51.09	48.59	47.87
49.03	48.73	47.04	49.35	51.00	48.84	47.54
49.37	49.01	47.41	49.37	51.11	48.83	47.36
49.38	48.78	47.19	48.85	50.82	47.91	47.36
49.27	49.30	47.45	48.38	50.73	47.49	47.30
49.09	48.96	47.73	48.00	50.90	47.70	47.19
49.42	48.88	48.41	48.04	51.02	47.48	47.34
49.59	48.64	48.44	47.82	50.82	47.95	47.16
49.89	48.67	48.41	47.75	50.83	48.20	47.08
50.15	48.51	48.11	47.67	50.94	48.12	47.23
49.98	48.55	48.18	47.82	51.90	48.91	47.83
49.31	49.37	48.26	48.22	51.59	49.34	47.39
49.11	49.30	48.05	48.37	52.03	48.96	48.24
49.26	49.10	48.04	48.73	52.01	48.80	47.91
49.42	49.28	48.08	48.53	51.80	49.03	47.71

49.71	48.18	48.35	48.57	51.74	48.54	47.88
49.71	48.58	48.56	48.84	51.67	48.67	47.88
48.86	48.30	48.89	49.14	51.85	48.97	47.29
48.85	47.94	48.94	49.06	51.87	49.29	47.12
48.55	48.13	48.67	49.07	51.77	49.05	47.53
47.10	48.37	48.61	48.56	51.40	48.40	47.39
47.63	48.16	48.11	48.73	51.49	48.08	47.65
47.43	48.23	47.76	48.95	51.59	48.35	47.37
47.53	48.11	47.73	48.88	51.53	48.63	47.66
48.32	48.43	47.84	49.35	51.56	48.88	47.61
48.35	48.63	47.87	49.78	50.87	49.11	47.28
48.56	48.80	47.97	49.90	50.39	49.24	47.22
47.56	48.88	48.02	50.36	50.58	49.65	47.32
48.12	48.41	48.31	50.55	50.91	49.85	47.47
48.13	47.71	48.11	50.05	51.67	49.88	47.42
47.98	48.02	48.42	50.56	51.62	49.62	47.44
47.48	47.20	48.88	50.37	51.36	49.57	47.44
48.38	47.52	49.20	50.87	51.36	49.71	47.56
48.06	47.82	48.71	50.36	50.86	49.26	47.67
48.59	47.89	49.24	50.38	51.00	49.85	47.71
48.68	48.47	49.02	51.26	51.26	49.95	47.73
48.59	48.65	48.64	50.64	51.30	49.75	47.44
48.85	48.98	48.42	51.01	51.55	50.47	47.19
49.02	48.52	48.36	51.11	51.87	50.36	47.17
49.00	48.44	47.93	51.30	51.86	50.39	47.45
49.23	48.74	48.06	50.91	52.18	49.45	47.46
49.25	48.90	48.39	51.74	51.80	49.34	47.69
49.45	49.24	48.86	51.30	51.48	49.89	47.85
48.92	49.14	48.90	51.45	52.16	50.00	48.03
48.55	48.76	49.02	51.30	52.27	49.68	48.11
48.97	48.44	48.71	51.67	51.82	50.28	48.16
48.50	48.41	48.99	52.10	51.62	50.85	47.75
48.24	48.82	49.27	52.46	51.62	50.97	47.77
47.94	48.90	49.06	52.50	52.20	51.56	47.89
47.66	48.79	48.82	52.13	52.22	52.05	47.83
47.38	48.79	48.57	52.34	52.61	50.72	47.86
47.39	48.15	48.33	52.65	52.08	50.28	47.82
47.63	48.42	48.53	52.96	52.61	49.79	48.53
47.58	48.60	49.04	52.77	52.19	49.13	48.10
47.66	48.96	49.31	52.82	52.04	49.10	48.09
47.59	48.96	50.42	52.83	51.98	49.43	48.09
47.33	48.40	50.96	51.87	52.48	50.19	48.41
47.59	48.61	51.64	51.45	53.14	50.51	48.73

47.58	48.43	51.72	51.41	53.07	50.78	49.15
47.70	48.03	51.26	51.19	53.56	51.42	49.61
47.81	49.01	51.62	51.55	53.91	51.35	49.77
48.09	48.44	51.36	50.89	53.59	51.22	50.29
48.42	48.84	51.71	50.23	53.44	51.90	50.85
48.60	49.13	51.80	50.07	53.01	52.46	51.46
48.78	49.63	52.30	51.21	52.90	52.77	51.82
49.10	50.08	52.03	50.72	52.62	53.13	51.49
49.21	50.30	51.71	50.93	52.48	53.26	51.42
49.09	49.71	51.80	51.75	51.56	53.16	51.17
49.14	49.64	51.66	52.52	51.44	52.87	50.68
48.59	50.01	51.53	53.02	50.54	53.38	50.64
48.77	49.83	51.37	53.07	51.30	54.14	49.90
49.54	50.42	51.07	53.24	51.63	54.50	50.35
49.79	50.73	52.34	53.64	52.11	53.46	50.71
49.97	50.02	53.29	54.00	52.67	53.03	50.49
50.12	50.39	53.56	54.55	53.24	52.74	50.54
50.33	50.18	54.05	54.43	53.67	52.06	49.62
50.14	49.88	53.86	54.80	53.04	52.53	49.76
50.00	50.87	52.98	54.75	53.24	51.81	50.17
50.85	51.52	53.01	54.62	53.66	52.68	50.10
51.05	51.61	53.35	54.25	53.54	53.19	49.78
51.93	51.36	53.74	54.40	54.13	53.65	50.12
51.75	51.61	54.34	54.13	54.66	54.33	49.93
50.76	52.47	54.38	53.95	54.65	54.61	50.05
51.74	52.98	54.60	52.79	54.85	54.88	50.35
51.70	53.09	54.93	52.89	54.82	54.44	50.51
51.90	53.77	54.61	52.71	54.58	53.34	50.37
52.92	53.73	53.81	52.46	53.59	53.79	50.05
52.29	52.71	53.65	52.36	53.75	53.72	49.89
51.93	51.82	53.62	51.91	53.42	53.66	50.55
51.38	52.01	53.86	52.02	54.05	53.49	51.01
51.98	51.60	53.72	53.08	54.31	54.45	51.90
52.19	52.11	54.12	53.85	54.59	55.12	52.55
52.30	52.65	53.82	54.10	54.27	55.11	53.37
52.54	53.20	52.61	53.82	54.84	55.18	53.75
53.77	53.62	53.09	53.66	54.81	55.79	54.13
53.86	52.64	53.11	53.52	54.56	56.08	54.61
53.61	52.47	53.03	53.32	54.59	55.41	53.85
54.29	52.72	53.08	52.89	54.57	54.85	53.76
54.68	52.41	52.55	52.86	54.40	55.09	53.50
53.02	53.13	52.21	53.13	54.26	54.91	52.26
52.12	54.58	52.44	52.94	55.09	53.95	52.51

51.76	54.70	53.24	52.97	55.40	54.32	52.78
52.31	53.26	53.44	52.79	54.76	54.66	52.61
52.61	52.13	53.44	53.04	54.65	55.36	52.20
52.56	52.47	53.45	54.14	54.44	54.83	51.63
52.59	52.86	53.47	54.70	54.65	54.44	51.70
51.71	52.33	53.70	54.63	54.94	54.63	52.03
50.60	52.10	53.59	54.30	54.76	54.26	52.83
50.34	52.09	53.02	54.47	55.29	54.48	52.18
50.32	52.24	52.99	54.52	55.09	54.37	51.65
52.01	52.01	53.32	54.63	55.35	54.68	52.34
53.10	51.73	53.47	54.22	55.51	53.92	52.40
54.15	52.31	53.51	54.42	55.69	53.64	51.87
54.54	52.30	53.20	54.83	55.62	52.09	51.51
53.06	52.14	52.20	55.04	55.23	51.85	51.55
52.64	52.02	52.92	55.03	55.32	51.77	51.67
52.82	51.95	53.78	55.46	55.91	52.26	51.80
52.03	52.11	53.76	55.61	55.91	53.11	52.00
51.42	51.53	53.62	55.62	55.93	53.45	52.01
51.42	51.69	52.98	55.64	56.28	53.76	52.08
51.80	52.20	53.17	55.33	56.13	53.83	52.39
52.18	52.50	53.50	55.53	55.99	53.80	52.23
52.85	52.65	53.62	55.87	55.93	53.77	52.38
51.86	52.75	53.72	55.91	55.71	54.22	52.01
51.57	52.14	53.81	56.15	55.72	54.46	52.48
52.40	52.08	54.21	56.55	56.16	54.33	52.43
51.98	52.33	54.25	56.44	56.30	54.06	52.27
51.46	52.00	53.79	55.95	56.47	54.05	52.38
51.78	51.20	54.13	56.14	56.72	53.76	52.35
51.44	50.92	54.28	56.49	56.92	53.21	52.51
52.12	51.58	53.33	56.31	57.10	53.26	52.33
53.03	51.45	53.30	55.86	57.27	53.09	51.70
52.33	51.55	53.24	55.66	57.32	52.68	52.15
51.08	51.83	52.88	55.73	57.41	52.69	52.09
50.74	52.16	52.66	55.61	57.58	52.88	52.16
51.09	52.14	52.98	55.62	57.68	52.92	52.10
51.33	52.51	52.70	55.55	58.01	52.83	52.79
51.21	52.14	52.67	55.37	57.84	52.59	52.77
50.70	51.37	52.78	55.96	57.80	52.52	53.53
50.31	51.45	51.97	55.74	58.03	51.71	53.31
50.18	51.29	52.29	55.70	58.41	52.12	53.24
50.18	51.22	52.47	55.20	58.21	52.25	53.07
50.49	51.25	52.17	55.40	57.27	52.44	52.78
50.59	51.24	52.34	55.18	56.96	52.87	52.43

50.60	51.25	52.75	55.76	57.48	53.17	52.58
50.41	51.23	52.86	55.78	57.34	53.44	52.51
50.44	50.66	51.90	56.56	57.45	53.41	52.25
50.77	51.08	51.58	56.24	58.17	53.18	52.17
50.39	52.13	51.48	55.99	57.99	52.89	52.35
50.41	52.07	51.81	55.51	57.48	53.10	52.28
50.50	52.28	52.43	55.83	56.96	53.00	52.27
50.16	52.81	53.07	55.80	56.86	53.21	52.66
50.02	52.90	53.01	56.19	56.88	52.57	52.51
50.38	52.93	53.05	56.46	57.19	52.62	52.47
50.77	52.81	53.21	55.95	57.43	52.73	52.53
50.81	51.94	53.45	55.82	57.64	52.52	52.59
50.98	51.73	53.53	56.03	57.70	52.39	52.71
51.07	51.69	53.65	55.83	57.77	52.58	52.60
51.00	51.78	53.80	55.78	57.83	52.62	52.57
50.97	51.77	53.89	55.71	57.70	52.46	52.52
51.06	51.62	54.03	55.49	57.86	52.67	52.58
51.18	51.87	54.17	55.12	57.85	52.70	52.50
51.24	51.87	54.27	55.33	57.11	52.45	52.56
51.22	52.12	54.42	55.43	56.16	52.48	52.54
51.21	52.01	54.54	55.22	55.84	52.54	52.59
51.29	52.03	54.69	55.20	56.45	52.88	52.75
51.09	52.17	54.95	55.31	56.80	52.73	52.76
51.19	52.21	55.12	55.70	57.17	52.61	52.87
50.99	52.32	55.14	55.06	57.53	52.79	52.80
51.08	52.38	54.91	54.94	57.87	53.07	52.98
51.07	52.42	54.58	55.22	57.18	53.17	52.90
50.47	52.08	54.89	55.40	56.84	53.13	52.89
50.95	52.18	55.03	55.73	56.86	53.14	53.02
51.51	52.61	54.80	56.16	57.21	53.21	52.96
51.80	52.60	54.59	55.76	57.02	53.05	52.76
51.91	52.90	54.88	55.50	57.12	52.78	52.81
51.91	53.10	54.77	55.20	56.74	52.69	52.67
51.86	53.25	54.69	55.34	56.57	52.87	52.56
51.83	52.97	54.38	55.45	56.75	52.82	52.79
51.85	52.39	54.24	55.36	56.53	52.84	52.62
51.91	52.63	54.42	55.36	56.91	53.02	52.75
52.02	52.63	54.60	55.58	57.14	53.11	53.13
52.05	52.64	54.28	55.91	57.09	52.79	52.82
52.18	52.76	53.41	56.21	56.70	52.91	52.35
52.22	53.04	53.43	56.32	56.83	53.07	52.10
52.22	53.13	53.85	55.81	56.76	53.19	52.26
52.24	53.32	53.89	55.83	56.04	53.12	52.54

52.33	53.48	53.84	55.99	56.32	53.13	52.29
52.40	53.40	53.50	55.57	56.06	53.18	52.28
52.39	53.19	53.94	55.17	55.66	53.10	52.56
52.61	53.30	53.62	55.81	56.18	53.02	52.58
52.66	53.53	53.90	56.16	57.37	53.20	52.62
52.64	53.42	53.86	56.52	57.43	53.25	52.65
52.83	53.54	53.76	56.80	57.24	53.34	52.67
52.94	53.11	53.76	55.87	56.85	53.67	52.71
52.88	53.14	53.81	55.70	56.20	53.44	52.88
52.72	53.10	53.91	55.80	55.57	53.19	53.11
52.60	53.26	54.26	56.10	56.06	53.32	53.05
52.56	53.42	54.60	56.27	55.90	53.36	53.20
52.43	53.39	54.58	56.28	56.38	53.09	53.17
52.46	52.67	54.67	56.28	57.00	53.16	52.79
52.44	52.77	54.65	56.69	57.10	53.28	52.89
52.66	53.01	54.70	56.58	56.98	53.42	53.03
52.74	53.13	54.49	56.65	56.97	53.52	52.98
52.76	53.23	53.88	56.38	56.83	53.21	52.97
52.62	52.49	54.30	56.51	57.34	52.94	52.85
52.63	51.70	54.31	56.55	57.46	52.76	52.78
52.80	51.72	54.28	56.56	57.83	52.71	52.87
52.85	51.90	54.23	56.42	58.48	52.91	52.77
52.86	51.83	54.13	56.26	58.44	53.01	52.70
52.91	51.74	54.47	56.47	57.79	52.84	52.57
53.12	51.82	54.43	56.59	57.24	52.53	52.50
53.06	51.69	54.74	55.69	57.19	52.58	52.57
53.03	51.62	53.74	55.41	57.25	52.58	52.98
53.05	51.94	54.16	55.56	57.22	52.25	52.85
53.25	51.91	54.71	55.91	57.11	52.44	52.87
53.52	52.21	54.49	55.81	56.88	52.55	52.57
53.35	52.08	54.34	55.94	56.32	52.60	52.54
52.96	52.07	54.77	56.31	56.49	52.64	52.66
53.04	52.14	54.46	56.22	56.08	52.69	52.61
53.03	52.21	54.21	56.51	55.89	52.64	52.64
53.11	52.13	54.23	56.78	55.97	52.61	53.00
53.01	52.49	54.09	56.88	56.15	52.47	52.98
53.17	52.64	54.12	57.24	56.61	52.08	52.62
53.55	52.74	54.38	57.34	56.86	51.84	51.71
53.64	52.82	54.56	57.70	56.91	52.98	51.77
53.42	52.66	54.73	57.60	56.62	52.80	52.07
53.33	52.58	54.42	57.83	56.17	52.74	52.25
53.16	52.55	53.77	57.77	56.52	52.89	52.50
53.36	52.66	53.73	58.26	56.04	52.77	52.10

53.14	52.77	54.20	58.56	55.98	52.74	52.05
53.01	53.21	54.57	58.70	54.96	52.84	51.53
53.10	53.12	54.45	58.63	56.22	52.91	51.67
53.16	53.06	54.35	58.94	56.97	52.97	51.89
52.18	52.99	53.47	59.51	57.23	52.23	51.86
52.27	53.10	53.40	59.89	57.52	52.52	51.69
52.36	52.89	53.37	60.01	57.52	52.60	51.52
52.41	52.85	53.78	59.90	57.58	52.42	51.47
52.45	52.86	54.43	60.09	57.35	51.97	51.53
52.29	52.41	54.49	59.82	57.19	51.70	51.61
51.76	52.49	54.07	59.98	57.24	52.15	51.68
52.04	52.20	54.25	60.00	57.46	52.58	52.32
52.00	52.18	54.37	60.11	57.26	52.41	52.10
51.84	52.47	54.27	60.45	57.00	52.79	52.17
52.08	52.73	53.89	60.95	56.85	52.95	51.88
52.15	52.88	54.70	61.33	56.31	53.02	52.12
51.79	52.81	54.94	61.10	56.48	52.42	52.13
51.57	52.74	54.95	61.12	57.12	52.22	51.91
51.31	52.73	54.61	61.29	57.17	51.71	51.91
51.10	52.80	54.46	61.69	57.47	51.03	51.81
51.02	52.80	54.53	62.13	57.68	51.61	52.42
51.43	52.59	54.90	62.24	57.27	51.95	52.40
51.92	52.45	54.74	62.25	56.91	52.25	52.90
51.95	52.53	54.75	62.26	57.21	52.74	52.69
51.92	52.25	55.03	62.26	57.44	53.20	52.43
51.81	52.18	55.22	61.95	57.69	52.82	52.09
52.33	52.16	54.54	61.64	57.38	52.85	51.93
52.32	52.35	54.48	61.19	56.92	52.74	51.56
52.07	51.67	54.63	61.19	56.89	52.60	52.10
52.00	52.43	54.66	60.63	57.00	52.41	52.05
52.03	52.31	54.80	60.86	57.09	52.84	52.21
52.50	52.57	54.86	61.32	57.01	52.41	52.27
52.78	52.68	55.30	60.89	56.15	52.37	52.33
52.78	52.98	55.55	61.43	55.59	52.32	52.56
52.66	52.75	55.44	61.30	55.29	53.15	52.45
52.48	52.57	55.52	60.74	55.75	53.52	52.37
52.48	52.64	55.75	60.31	56.09	53.55	52.29
52.75	52.54	55.78	59.71	56.01	53.55	52.61
52.44	51.99	55.66	59.35	56.17	53.55	53.25
52.43	52.14	55.60	60.51	56.39	53.09	53.42
52.12	52.16	55.51	60.25	56.63	52.70	52.99
51.96	52.62	55.44	60.07	56.68	52.61	52.83
51.74	52.61	55.47	59.85	56.35	52.87	52.93

51.66	53.13	55.02	60.18	57.14	52.42	52.86
51.97	53.06	55.15	60.77	57.03	52.67	52.82
52.26	53.27	55.09	60.42	57.04	52.77	52.78
52.30	53.27	55.28	59.72	56.75	52.38	52.82
51.64	52.69	54.86	59.75	56.33	52.23	52.54
51.33	53.20	54.08	59.24	56.50	53.39	52.46
50.85	53.06	52.88	59.33	55.99	52.84	52.45
51.13	53.66	53.15	59.67	55.69	52.80	52.76
50.83	53.79	53.62	60.49	55.56	52.99	52.34
50.89	53.72	53.90	60.75	55.96	52.97	52.74
50.95	53.67	54.21	60.71	56.20	53.16	52.31
50.91	53.36	54.48	60.55	56.08	53.42	52.15
51.03	52.56	54.44	60.38	55.87	53.32	52.70
51.04	52.38	54.34	60.11	56.01	53.11	52.79
51.02	52.24	54.24	59.55	55.86	53.20	53.26
51.73	52.14	54.58	59.61	55.95	52.94	53.13
51.53	52.65	54.78	59.44	56.29	53.41	53.15
51.39	52.84	54.85	59.63	56.32	53.22	53.01
51.54	53.41	54.41	59.30	56.11	53.13	52.57
51.51	53.27	54.14	58.30	55.64	52.87	53.10
51.53	53.32	53.54	57.87	55.55	52.23	53.05
51.23	53.33	52.97	57.48	55.96	52.17	52.61
50.77	52.89	53.53	57.56	56.19	51.82	52.32
50.80	53.09	54.07	57.83	56.50	51.92	52.64
51.13	53.44	53.03	57.92	56.32	52.28	53.12
51.24	54.07	52.74	57.65	56.11	53.01	53.19
51.16	53.66	53.15	57.08	56.07	52.29	53.47
51.21	53.50	52.87	57.03	55.72	52.35	53.57
51.74	53.62	52.68	56.73	54.80	51.84	53.42
51.50	53.88	52.80	56.60	53.92	52.14	53.38
51.09	53.55	52.88	56.58	53.36	51.87	53.36
51.60	53.28	53.14	56.14	53.32	51.93	52.58
51.20	52.98	52.93	56.34	53.10	52.16	52.24
51.10	53.26	53.21	56.30	52.86	51.93	52.27
50.77	54.20	53.22	56.13	53.42	51.95	52.32
50.73	54.50	52.62	55.94	53.97	51.64	52.09
50.39	55.20	52.33	55.81	53.72	51.60	52.13
50.46	54.35	50.78	56.17	54.19	51.81	51.47
50.14	54.35	50.39	56.20	53.37	51.91	51.65
50.43	54.62	49.65	56.11	52.87	51.43	51.79
50.50	54.45	49.98	55.61	53.44	51.19	51.96
50.49	53.49	49.66	55.75	54.10	50.46	52.02
50.24	53.00	49.37	55.71	53.72	50.35	51.96

49.94	52.90	49.72	55.44	53.79	51.07	51.78
49.83	52.81	50.14	54.93	52.91	51.42	51.58
49.74	52.02	50.21	54.59	52.14	51.21	51.51
49.84	52.29	50.55	54.49	52.06	51.76	51.34
49.67	51.62	51.15	53.75	51.38	51.69	51.75
50.31	51.04	51.48	53.68	51.29	51.90	51.54
50.17	50.08	51.77	53.43	51.27	52.53	51.43
50.53	50.35	51.71	53.48	51.73	51.82	51.21
49.92	51.14	51.64	53.43	52.32	50.86	51.28
50.36	50.53	51.29	53.33	52.91	50.57	51.08
50.13	49.61	50.86	53.51	51.82	50.39	51.05
50.71	49.58	51.13	53.80	51.85	50.14	50.43
51.02	48.52	51.49	54.56	52.41	50.83	50.32
50.89	49.12	51.39	54.28	51.90	51.02	50.68
51.02	49.27	51.17	53.77	51.44	50.83	50.66
50.89	49.43	50.89	52.67	51.17	50.55	50.59
50.86	49.04	50.59	52.09	50.69	50.09	50.52
50.98	49.03	50.07	51.81	50.21	49.99	50.44
51.46	48.90	50.32	51.64	50.58	50.02	50.42
51.31	48.20	50.45	51.08	50.30	49.97	50.19
51.33	48.68	49.91	50.09	50.45	49.82	50.40
50.50	48.25	50.28	49.51	49.80	49.82	NaN
NaN	47.94	NaN	NaN	NaN	NaN	NaN