

Executive Agency "Exploration and Maintenance of the Danube river"

Average daily water temperatures (t) in °C for the Danube River on gauging station Oryahovo for 2000 to 2019.

The water gauge is located at km 678.000 with a zero elevation of 21.34 m in the Baltic Sea - Kronstadt elevation system.

year		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
date	month																				
1	1	4.4	7.7	2.2	3.4	2.6	5.8	5.6	6.2	3.8	5.0	5.0	2.4	6.0	4.3	4.4	4.6	5.6	3.8	5.6	5.2
2	1	3.8	7.7	3.0	3.4	2.5	5.6	5.4	6.2	2.8	4.8	5.6	2.6	5.4	4.6	4.4	4.6	5.1	3.7	5.8	5.2
3	1	3.6	7.6	2.8	3.2	4.8	5.6	5.3	6.2	3.0	4.8	5.4	2.6	5.0	4.6	4.2	5.0	4.4	3.8	6.1	5.0
4	1	4.1	7.2	1.0	3.2	4.4	5.6	5.4	6.2	2.6	4.6	5.6	2.6	5.2	5.0	5.2	5.3	3.6	3.9	6.0	4.7
5	1	3.9	6.8	1.0	3.4	3.6	5.6	5.4	5.8	2.2	3.8	4.6	2.4	5.4	5.2	5.2	4.9	3.3	4.0	5.8	4.7
6	1	4.4	6.5	0.9	3.4	3.2	5.8	5.0	5.8	2.2	3.6	4.8	2.2	6.2	5.1	5.0	4.6	3.4	3.8	5.8	4.7
7	1	3.8	8.2	0.4	3.2	3.1	5.7	4.2	6.0	2.2	3.6	4.9	2.2	6.2	5.2	5.4	4.2	3.9	2.5	5.5	4.6
8	1	3.5	8.0	0.4	3.4	2.8	5.6	4.6	5.8	2.2	3.6	4.9	2.2	6.0	4.8	5.6	3.7	4.4	1.6	5.5	4.1
9	1	3.4	8.2	0.8	3.4	2.6	6.2	4.4	5.8	2.7	3.6	5.0	2.2	5.4	4.4	5.4	3.4	4.6	0.6	5.6	4.1
10	1	2.9	7.8	1.2	3.7	2.4	6.4	4.6	6.0	2.0	3.3	5.0	2.4	5.4	4.6	5.6	4.0	5.0	0.3	5.8	4.4
11	1	3.0	7.7	1.0	3.5	2.6	6.3	3.6	6.0	2.0	2.8	4.8	2.8	4.6	4.6	5.8	4.7	5.4	0.6	5.8	4.4
12	1	3.4	7.9	0.8	3.4	2.6	6.2	4.4	6.0	2.0	2.8	5.0	2.6	5.1	4.9	5.8	4.9	5.4	0.7	6.0	4.3
13	1	4.0	7.8	0.8	2.8	3.8	6.4	4.0	6.0	1.8	2.6	5.4	3.0	5.2	4.8	6.2	4.5	5.3	1.0	6.1	4.2
14	1	3.6	7.6	0.6	2.8	3.5	6.2	4.0	6.0	1.3	2.6	5.4	3.4	5.2	4.8	6.0	4.0	5.3	1.2	5.7	4.2
15	1	3.6	7.5	0.7	2.6	3.8	5.8	3.4	6.3	0.8	2.4	5.4	3.8	5.0	4.6	5.8	3.6	5.0	2.4	5.0	4.2
16	1	3.5	7.2	1.6	2.2	4.0	5.8	3.8	6.0	0.6	3.3	5.5	4.2	4.9	4.6	6.2	3.6	4.5	2.4	4.9	4.0
17	1	3.4	7.5	0.8	2.1	3.9	6.2	3.8	5.9	1.4	3.3	5.4	4.6	4.4	4.8	6.6	3.6	4.5	0.6	5.1	4.2
18	1	3.6	7.7	0.6	2.3	3.7	6.0	3.2	6.4	2.0	3.4	5.2	4.0	4.2	4.6	6.6	3.8	3.7	1.7	5.1	4.4
19	1	4.2	7.4	0.8	2.5	4.0	5.6	3.6	6.6	2.1	3.4	5.0	4.2	4.4	5.2	6.5	3.9	3.5	1.8	5.0	4.8
20	1	4.2	7.1	0.8	2.6	4.0	5.6	3.4	7.0	3.2	3.5	4.6	4.3	5.0	4.6	6.8	4.2	3.2	1.2	5.0	4.6
21	1	3.8	7.0	2.2	3.0	3.6	5.8	3.4	7.3	3.8	3.6	4.6	4.2	5.0	4.8	7.2	4.2	3.1	1.5	4.9	4.4
22	1	3.6	7.0	3.3	3.2	3.0	5.4	4.1	7.4	4.6	3.6	4.0	4.4	5.4	5.0	7.3	4.7	3.2	1.1	4.7	4.2
23	1	3.4	6.5	2.8	3.4	3.0	5.5	3.0	7.4	4.2	3.6	3.6	4.1	5.2	5.8	7.6	4.8	3.1	0.9	5.1	4.0
24	1	3.2	6.2	3.0	3.4	2.8	5.6	2.0	7.5	4.5	3.6	3.6	4.2	5.5	4.9	7.5	5.0	2.7	1.5	5.3	4.0
25	1	3.0	6.0	3.2	3.4	2.6	5.6	1.6	7.2	4.0	3.6	2.8	4.2	5.3	5.6	6.0	5.4	2.7	1.6	5.4	4.0
26	1	1.8	6.3	3.5	3.4	2.4	4.6	1.8	7.2	3.8	3.7	2.0	4.0	4.0	5.2	5.4	5.6	2.7	2.1	5.1	3.9
27	1	1.5	6.0	4.0	3.3	2.4	4.8	1.8	7.2	4.6	3.8	2.0	3.6	3.9	4.8	5.2	5.7	3.2	1.5	4.9	3.6
28	1	2.4	6.1	4.4	3.2	2.4	4.5	1.8	6.2	5.0	3.8	2.0	3.8	3.9	5.2	5.2	5.8	4.0	1.3	4.8	4.0
29	1	2.6	6.8	4.2	3.6	2.4	4.8	2.2	6.2	5.2	4.2	2.6	3.8	2.6	5.4	5.2	6.0	4.6	1.3	5.0	4.0
30	1	2.6	7.0	4.5	4.0	2.3	2.8	2.4	6.0	5.2	4.4	2.6	3.6	2.6	5.4	4.4	5.8	4.9	1.3	5.2	4.4
31	1	3.2	6.8	4.0	3.9	2.6	3.8	3.0	6.4	5.3	3.6	2.8	3.4	3.0	5.6	4.4	6.2	5.2	1.4	5.6	4.8
1	2	5.4	6.8	4.2	3.9	2.3	3.8	2.6	6.4	5.4	4.8	2.8	3.6	1.6	5.8	4.0	6.5	5.2	2.0	5.5	4.9
2	2	5.2	6.2	3.7	3.8	3.6	4.4	3.2	6.2	5.4	4.8	2.6	3.4	2.4	5.6	4.0	6.3	5.8	1.9	5.6	5.2
3	2	5.5	5.8	3.6	3.5	4.1	4.6	3.0	6.4	5.4	5.1	2.7	3.4	2.3	5.6	4.4	6.1	6.0	2.0	5.6	5.0
4	2	5.8	5.5	5.0	3.4	3.6	4.2	3.1	6.4	5.6	5.1	2.7	2.6	2.1	5.5	4.6	5.8	6.1	2.6	6.1	4.8
5	2	4.4	5.5	4.2	3.5	3.9	4.0	2.6	6.2	5.7	5.2	2.7	2.6	1.9	4.9	4.4	5.6	6.0	2.7	6.1	5.0
6	2	4.8	6.4	4.6	3.6	5.0	4.0	1.8	6.2	5.6	5.4	2.6	2.8	2.1	5.3	4.4	5.6	5.4	2.8	6.1	4.8
7	2	5.2	7.2	4.6	3.8	5.2	3.0	1.8	6.0	5.9	5.8	2.4	3.4	1.2	5.2	3.8	4.8	5.2	2.6	5.9	4.4
8	2	5.1	7.2	4.6	3.6	5.2	1.1	1.6	6.4	6.2	5.8	2.4	3.6	0.4	4.9	3.2	5.0	5.2	2.4	5.9	4.6
9	2	5.4	7.0	5.2	3.3	5.5	1.0	1.6	6.8	6.0	5.6	2.4	3.8	0.6	5.0	3.2	5.0	5.2	2.2	6.1	4.7
10	2	6.0	7.4	5.2	3.0	5.1	1.0	2.2	6.8	5.8	5.6	2.4	3.8	0.6	5.0	3.6	4.8	5.7	1.8	6.3	4.9
11	2	5.8	8.1	5.1	3.1	4.2	1.0	2.0	7.2	5.7	5.6	2.4	3.8	0.4	4.9	3.8	4.7	6.2	1.4	6.2	5.4
12	2	5.9	8.4	6.0	3.0	3.9	1.6	2.0	7.0	5.5	5.6	2.8	3.8	0.4	5.1	4.4	4.7	6.5	1.4	5.9	5.7
13	2	5.8	8.0	6.3	2.8	3.6	2.2	2.7	7.0	5.2	6.0	3.0	4.0	0.6	5.2	4.2	5.7	6.8	2.0	6.1	5.5
14	2	6.0	8.0	6.5	2.7	3.0	3.1	3.4	6.4	5.6	5.8	2.9	4.0	1.0	5.2	4.2	4.8	6.5	2.5	6.2	5.4
15	2	6.0	8.4	6.8	2.5	3.6	3.5	3.4	7.0	5.5	5.7	2.6	3.8	1.4	5.3	4.8	4.8	6.5	2.8	5.8	5.9
16	2	6.2	8.4	6.6	2.7	4.2	3.2	2.8	7.1	5.5	5.8	2.6	3.6	1.9	5.4	5.4	4.8	6.9	3.3	6.0	5.9
17	2	6.1	8.1	6.4	2.7	4.1	3.2	3.1	6.2	5.4	5.8	3.0	3.4	1.0	5.4	5.4	4.4	7.3	3.7	6.1	6.2
18	2	6.0	8.0	6.4	2.6	4.6	3.2	4.2	6.6	5.0	5.6	3.2	3.4	2.2	5.4	6.0	4.2	7.4	3.8	6.3	6.4
19	2	5.8	8.1	6.2	2.8	4.6	2.8	4.2	6.6	4.8	5.6	3.4	4.2	2.2	5.4	6.2	4.1	7.4	4.0	6.6	6.5
20	2	6.6	8.2	6.0	3.2	4.8	3.0	4.2	6.8	5.4	5.6	4.0	4.0	2.0	5.4	7.0	4.6	7.3	4.0	5.9	6.6
21	2	6.6	8.0	6.6	3.0	4.5	3.0	4.0	7.4	5.6	4.2	4.2	4.2	2.2	5.8	6.6	4.9	7.6	3.8	5.5	6.8
22	2	6.8	8.4	6.6	3.0	4.1	3.0	4.4	7.8	6.2	4.8	3.8	4.2	2.2	6.0	7.6	5.2	7.9	3.9	5.4	6.9
23	2	6.6	8.2	6.4	3.4	4.1	3.0	4.4	7.8	6.5	5.0	3.8	4.0	1.9	6.0	7.6	5.2	8.5	5.0	5.3	6.2
24	2	6.4	8.7	6.4	3.2	4.6	3.2	4.2	7.0	7.0	4.4	4.0	3.8	2.2	6.2	7.7	5.5	8.7	5.2	5.3	6.1
25	2	6.7	8.8	6.6	3.5	4.6	3.4	3.6	6.2	7.1	4.6	4.6	3.8	2.8	6.0	7.6	5.9	8.4	5.0	5.2	6.1
26	2	7.2	7.9	6.7	3.5	5.2	3.8	3.7	6.4	7.2	4.6	5.0	3.6	3.7	6.0	7.7	6.3	8.4	5.4	4.1	6.1
27	2	7.2	7.7	6.8	3.6	5.4	3.8	3.8	6.6	7.2	4.5	5.2	3.6	3.6	6.0	7.8	6.4	8.4	5.4	3.0	6.3
28	2	7.5	7.5	6.6	3.6	5.6	3.4	4.8	6.6	7.4	5.3	5.8	4.2	3.0	6.0	7.8	6.4	8.3	5.5	2.9	6.5
29	2	7.4				5.8				7.4					2.6			8.2			
1	3	7.5	7.5	7.7	3.4	5.0	3.1	5.2	7.8	7.4	5.4	6.4	4.0	2.6	6.0	7.9	6.8	8.4	5.8	3.3	7.0
2	3	7.4	8.0	7.9	3.3	5.0	3.0	4.8	8.0	7.6	5.7	6.6	4.2	3.2	6.2	8.2	7.2	8.4	6.0	3.6	7.5
3	3	7.6	8.4	8.0	3.3	4.8	3.2	4.8	7.6	8.0	6.1	6.6	4.0	3.8	6.5	8.1	7.8	8.6	6.2	3.8	7.6
4	3	7.4	8.2	7.9	4.3	5.0	3.6	5.0	7.6	8.4	6.0	7.0	4.0	4.1	6.5	8.1	7.8	8.8	6.4	4.2	7.4
5	3	7.4	8.4	7.4	4.6	4.7	4.1	5.4	7.6	8.4	5.8	7.2	4.4	4.1	6.6	8.3	7.8	8.5	6.8	3.9	7.6
6	3	7.0	9.0	7.4	4.8	5.2	3.8	5.9	7.8	8.4	6.0	6.4	4.6	3.6	7.0	8.4	7.5	8.7	6.9	3.9	7.9
7	3	7.3	8.8	7.8	4.9	5.5	3.6	5.6	8.2	8.0	6.1	6.2	4.8	3.6	7.1	8.4	7.1	8.7	8.0	4.1	

6	4	12.2	12.0	10.3	10.6	10.8	10.2	11.6	11.2	10.2	10.7	12.4	12.4	13.0	7.8	14.0	10.6	12.4	13.0	10.0	12.4
7	4	12.1	12.0	10.1	9.6	11.0	10.7	11.4	11.4	10.6	11.4	12.0	12.4	13.2	8.2	13.8	10.0	12.9	13.0	10.4	12.5
8	4	11.8	12.2	9.9	9.8	11.2	10.8	11.2	12.1	11.4	11.8	12.2	12.7	13.6	7.9	13.8	10.0	13.6	12.9	10.9	12.6
9	4	11.8	12.4	10.3	9.2	11.0	11.2	10.7	12.4	12.0	12.0	12.6	13.2	13.0	7.8	14.6	10.4	13.7	12.8	11.5	12.9
10	4	11.6	12.4	10.3	10.2	10.8	11.2	11.1	12.4	12.0	12.6	12.2	13.4	12.6	8.0	14.8	10.7	14.0	13.2	12.0	12.7
11	4	12.3	13.0	10.2	11.4	11.2	11.8	11.2	13.4	12.2	12.8	13.0	12.2	12.2	8.6	14.2	11.0	13.8	13.2	12.5	13.0
12	4	12.2	13.2	10.4	11.8	11.5	12.2	11.4	12.5	12.2	12.8	13.2	13.2	11.8	8.8	13.6	11.0	13.7	13.8	12.8	13.2
13	4	12.6	13.0	10.3	12.0	12.1	12.4	11.3	13.8	12.4	12.6	13.0	13.4	13.4	9.1	14.2	11.4	14.4	14.2	13.4	13.4
14	4	12.6	12.7	10.7	11.7	12.0	12.6	11.4	14.0	12.8	12.6	13.2	13.2	13.8	9.4	14.6	11.5	15.2	14.1	13.9	13.2
15	4	13.0	13.2	10.4	10.4	12.2	12.8	11.2	14.4	12.8	12.5	13.2	13.0	13.2	10.0	14.6	11.3	15.1	14.6	14.3	13.1
16	4	13.1	12.8	11.0	11.0	12.2	12.8	11.5	14.6	12.7	12.9	13.0	13.2	13.8	10.1	13.8	11.5	15.2	15.0	14.7	13.5
17	4	14.0	13.3	11.2	11.2	12.5	13.2	11.5	14.6	12.9	13.6	13.2	13.6	14.2	10.1	13.8	12.0	15.6	15.0	14.7	14.2
18	4	14.3	13.3	11.8	11.2	12.4	13.2	11.7	14.6	13.2	13.8	13.0	13.7	14.3	11.1	13.2	12.6	15.8	14.8	14.7	14.3
19	4	14.5	13.5	12.0	11.2	12.0	12.9	11.6	15.2	13.4	14.1	13.8	14.2	13.5	11.4	13.6	12.6	16.4	14.4	15.0	14.5
20	4	14.4	13.5	11.8	10.8	11.6	12.5	11.6	14.8	13.9	14.3	13.5	14.4	13.6	12.0	12.9	12.4	16.4	13.6	15.5	14.5
21	4	14.4	14.0	12.2	11.2	11.6	12.7	11.8	15.4	14.2	14.4	13.6	14.8	13.8	12.2	13.0	12.6	15.5	13.3	15.6	14.6
22	4	14.6	14.2	13.2	11.5	12.0	12.4	12.1	15.8	14.9	14.8	13.2	15.0	13.4	13.6	14.5	12.8	15.6	13.0	15.8	14.7
23	4	16.0	14.2	13.2	12.2	12.6	12.3	12.6	16.2	14.7	14.4	13.6	14.8	13.8	14.1	14.8	13.4	16.1	12.6	16.2	15.2
24	4	16.4	14.0	13.8	12.6	13.1	12.3	12.6	16.5	15.0	14.6	14.0	15.0	14.2	14.8	15.0	13.5	16.6	13.2	16.6	14.6
25	4	16.4	13.2	14.2	12.4	13.6	12.8	12.9	16.8	14.6	15.1	14.2	15.0	14.4	15.2	14.8	13.8	16.1	13.0	16.9	15.0
26	4	16.2	12.8	14.6	12.2	13.6	12.9	13.4	16.8	15.0	15.1	14.2	14.9	14.0	15.4	14.2	14.3	15.5	13.0	17.3	15.5
27	4	16.8	14.2	14.6	13.6	13.8	13.3	13.8	17.0	14.8	15.2	14.2	15.2	14.4	16.2	14.2	14.7	14.9	14.6	17.6	15.9
28	4	16.8	14.2	15.4	14.0	13.8	13.6	12.4	18.2	15.2	15.4	14.3	15.2	15.0	16.6	15.0	15.2	15.5	14.8	18.0	16.0
29	4	17.7	14.3	15.4	14.0	14.8	13.7	14.2	17.6	15.4	15.3	14.5	15.2	15.2	16.8	14.8	14.9	16.4	15.0	18.3	16.1
30	4	18.2	14.4	15.8	14.4	15.0	13.6	14.4	18.0	15.6	15.6	14.8	15.4	15.6	17.6	14.6	14.3	16.3	14.6	18.5	16.4
1	5	18.3	15.2	16.0	15.2	15.6	14.0	14.2	18.3	15.7	16.0	15.4	16.0	16.4	18.2	15.2	15.2	16.3	14.0	18.8	15.7
2	5	18.5	15.6	16.2	15.6	15.9	14.8	14.4	18.4	16.1	16.0	15.7	16.0	16.4	18.6	15.3	16.0	16.4	13.8	19.1	15.4
3	5	18.3	15.6	16.8	16.1	16.0	15.0	14.6	17.9	16.0	16.0	16.2	15.8	16.6	18.8	15.4	15.8	15.8	14.8	19.4	15.8
4	5	18.2	15.9	17.4	16.3	16.4	15.2	14.6	18.4	16.0	16.0	16.5	15.8	17.4	19.2	15.8	16.3	14.9	15.0	19.8	16.0
5	5	18.4	17.2	17.3	16.6	16.7	15.7	14.8	18.2	16.0	16.6	16.8	15.6	17.4	19.3	15.6	16.8	14.1	15.2	20.2	16.9
6	5	18.4	17.2	17.0	17.4	16.8	15.8	14.8	18.8	16.4	16.7	17.4	15.6	17.6	19.6	15.2	17.3	14.2	15.8	20.3	17.0
7	5	19.0	17.0	17.2	17.6	16.8	15.8	15.4	18.7	16.6	16.6	17.4	15.4	18.2	19.8	15.4	18.0	15.5	15.4	20.6	16.2
8	5	19.2	17.2	17.6	17.7	17.0	15.0	15.8	18.0	17.0	16.6	17.4	15.4	18.6	19.8	15.6	18.1	16.0	15.6	20.5	15.4
9	5	19.4	18.2	17.6	18.8	17.4	15.3	15.7	19.2	17.0	16.8	17.8	15.8	19.0	20.0	15.8	18.3	15.5	16.0	20.5	15.7
10	5	19.6	18.3	17.8	19.4	17.2	15.9	16.2	20.4	17.2	17.1	18.1	16.0	19.2	20.0	16.2	18.5	15.7	15.8	20.7	16.0
11	5	19.8	18.4	17.8	20.1	17.0	16.0	15.8	19.6	17.4	18.0	18.6	17.0	19.4	20.2	16.4	19.0	15.8	16.0	20.5	16.1
12	5	20.9	18.0	18.2	20.2	17.4	16.4	15.7	20.4	17.2	18.4	18.8	17.2	20.4	20.4	16.8	18.4	16.0	15.9	20.9	16.5
13	5	20.8	19.0	18.5	20.6	17.6	16.2	15.8	20.6	17.4	18.4	19.0	17.2	21.2	20.4	16.6	18.6	16.1	16.2	21.1	16.6
14	5	20.8	19.0	18.6	21.4	17.7	16.4	16.0	21.1	18.0	18.6	19.0	17.5	20.2	20.0	16.2	19.3	16.4	16.2	21.3	16.6
15	5	21.0	19.0	19.2	21.6	17.4	16.5	16.4	21.2	18.4	19.0	19.2	18.2	20.1	20.2	15.4	19.5	16.6	17.0	20.9	16.2
16	5	21.2	19.0	19.4	21.3	16.8	16.4	16.7	21.4	18.6	19.5	18.7	18.8	19.8	20.3	15.4	19.5	16.8	17.2	20.8	15.9
17	5	21.8	19.1	19.7	20.7	16.8	16.4	17.0	21.8	19.0	19.8	18.1	18.6	19.0	20.0	15.0	19.3	16.3	17.8	20.8	15.9
18	5	21.8	19.4	20.0	20.4	16.6	17.0	17.4	21.6	19.5	20.2	17.6	18.4	18.6	20.6	15.4	19.6	16.5	18.0	20.9	16.0
19	5	22.4	20.8	20.3	20.2	16.9	17.2	17.8	20.6	19.8	20.4	16.6	18.4	18.4	20.0	16.2	20.0	16.9	18.4	21.3	16.4
20	5	22.6	20.0	20.3	20.8	17.1	17.1	18.2	20.4	20.2	20.5	16.6	18.3	18.5	20.5	16.2	20.4	17.3	18.2	21.1	16.6
21	5	22.6	20.3	20.4	22.1	17.7	16.5	19.0	20.6	20.6	20.8	17.8	18.3	19.4	20.0	16.0	20.4	17.5	18.8	21.1	16.2
22	5	22.7	19.4	19.6	22.2	18.1	17.0	19.4	20.0	20.6	21.7	17.4	20.2	19.4	20.5	15.8	20.8	17.6	19.0	21.1	16.2
23	5	22.3	21.6	20.0	21.0	17.9	17.0	19.4	21.4	20.4	22.2	17.0	20.8	18.6	20.0	15.8	21.0	18.1	19.2	21.0	16.4
24	5	22.0	21.4	20.6	20.6	17.7	18.2	20.2	21.6	20.4	22.2	16.4	21.0	18.4	19.6	16.0	21.0	18.6	19.6	21.3	16.5
25	5	22.2	21.6	21.4	20.7	16.8	18.4	20.6	22.4	20.6	22.1	16.6	21.0	18.1	19.8	17.0	21.2	18.2	19.6	21.7	16.5
26	5	22.2	21.1	22.3	21.0	17.1	18.2	20.6	22.8	21.4	22.2	16.8	21.5	18.4	19.5	17.8	20.6	18.2	19.6	22.1	16.5
27	5	23.0	21.2	21.8	21.3	17.8	18.5	20.4	22.8	22.0	22.4	17.0	21.5	18.3	19.4	18.0	20.8	18.7	19.8	22.4	17.0
28	5	23.3	21.2	21.9	21.3	18.4	18.5	20.8	22.4	22.6	22.4	17.0	21.5	17.8	19.4	18.7	20.2	19.2	19.4	22.6	17.2
29	5	23.4	21.4	21.8	22.4	18.7	19.5	21.2	22.6	22.4	22.0	17.4	21.8	17.6	19.4	19.2	19.9	19.6	19.4	22.7	17.4
30	5	23.3	21.5	21.5	22.2	18.7	19.6	21.2	22.2	22.0	21.8	17.6	22.0	18.4	19.6	19.3	20.0	19.8	20.8	22.7	17.8
31	5	22.4	22.3	20.7	21.4	18.7	19.9	21.4	22.0	22.4	21.4	18.0	22.0	18.4	19.5	18.8	20.0	20.0	21.0	22.7	18.4
1	6	22.6	22.6	20.9	21.7	18.5	20.4	21.4	22.4	22.9	21.0	18.0	22.7	19.0	19.0	18.6	20.0	20.4	21.6	23.1	18.2
2	6	22.6	22.2	21.0	21.8	19.4	20.4	20.4	22.0	23.2	21.4	18.0	23.2	19.4	19.2	18.9	19.7	20.6	22.6	23.4	18.7
3	6	22.4	21.6	21.1	22.7	19.4	20.6	20.2	22.6	22.7	21.0	18.0	23.2	19.6	19.4	19.0	19.7	20.6	22.8	23.8	18.8
4	6	23.4	21.8	20.9	23.0	19.0	21.9	19.8	23.4	22.6	21.1	18.4	23.4	19.9	19.5	19.8	19.8	21.0	23.0	24.1	18.9
5	6	23.6	20.0	21.1	23.2	18.6	21.4	19.4	24.0	22.6	21.4	18.8	23.6	20.2	19.0	19.8	19.9	21.2	23.0	24.1	18.8
6	6	23.8	20.0	21.5	23.8	18.6	21.6	19.2	23.6	22.6	21.6	19.0	23.4	20.2	19.2	19.8	19.9	21.7	23.0	24.5	18.6
7	6	24.0	19.4	21.4	24.2	18.5	21.5	19.0	23.0	22.4	21.8</										

18	7	24.8	26.6	27.6	25.6	22.8	24.3	24.6	27.0	24.9	24.6	25.6	26.4	27.4	24.4	25.2	26.4	24.7	26.0	23.8	25.7
19	7	24.8	26.8	27.1	25.9	24.8	24.5	25.0	27.0	24.8	24.4	26.2	26.7	27.4	25.0	25.2	26.9	24.6	26.2	23.2	25.9
20	7	24.5	26.8	27.0	25.7	25.2	24.3	25.4	26.6	25.6	24.4	26.6	26.8	27.2	25.0	25.4	24.9	24.8	26.8	23.4	26.1
21	7	24.8	27.0	26.8	26.2	25.4	24.1	25.8	26.8	26.4	24.2	27.0	26.6	27.6	25.4	26.0	27.4	24.8	27.0	24.0	26.5
22	7	25.2	26.7	27.0	26.5	26.0	23.9	26.1	27.0	26.4	24.2	27.4	25.8	28.0	25.4	26.4	27.8	25.0	27.2	24.5	26.8
23	7	25.2	25.7	26.2	27.0	25.8	24.0	26.4	27.2	25.0	24.8	27.6	25.8	28.0	25.6	25.4	27.9	25.3	27.6	24.9	26.8
24	7	25.3	26.0	26.6	27.1	25.8	24.0	27.0	27.3	24.8	25.2	27.6	26.0	27.8	25.6	25.4	27.6	25.5	28.2	24.9	26.4
25	7	25.4	26.2	26.6	26.4	25.8	23.8	27.1	26.8	24.6	25.4	28.0	26.1	28.0	25.8	25.5	27.5	25.6	28.0	25.1	26.2
26	7	25.6	26.2	26.4	26.6	25.6	23.8	27.5	25.6	23.8	25.6	27.6	26.2	28.0	25.8	25.8	27.5	25.7	26.9	24.9	26.4
27	7	25.7	26.7	26.0	25.6	25.5	23.8	27.4	26.0	24.7	25.1	27.6	26.4	28.0	26.0	26.1	27.2	25.5	26.0	24.7	26.4
28	7	25.7	26.6	25.8	25.9	24.5	24.0	27.6	26.0	25.2	25.2	26.0	26.8	27.2	26.6	26.4	27.4	25.4	24.7	25.2	26.8
29	7	25.8	26.6	25.8	26.6	23.8	24.2	27.8	26.7	25.0	25.7	26.2	26.8	27.6	26.8	26.0	27.5	25.5	24.7	25.3	26.4
30	7	25.2	26.6	26.0	26.6	23.2	24.5	28.0	27.2	25.3	25.8	26.2	26.6	27.4	27.0	25.8	28.0	25.3	25.2	25.6	26.1
31	7	25.0	26.8	25.8	26.2	23.8	24.8	28.0	25.8	25.4	26.2	26.8	25.7	27.2	26.8	26.2	28.0	25.7	26.0	25.7	26.2
1	8	24.6	26.8	25.5	26.2	23.8	24.8	28.2	25.0	26.5	27.0	25.8	26.9	26.8	26.0	19.6	25.8	26.6	25.4	26.6	
2	8	24.6	26.9	26.2	26.4	23.8	25.5	28.2	24.6	25.2	26.5	26.7	25.8	27.2	26.4	24.5	27.0	25.6	26.8	25.8	27.1
3	8	24.6	27.0	26.4	26.4	24.4	26.0	28.6	24.4	25.0	26.6	26.8	25.4	26.6	26.8	24.8	26.6	25.2	27.2	25.9	27.2
4	8	25.4	27.2	26.4	26.7	24.6	26.4	28.6	25.2	25.0	26.8	27.2	25.3	27.0	27.0	25.4	27.0	25.2	27.6	26.1	26.4
5	8	25.4	26.5	26.2	27.2	24.4	25.2	28.6	24.6	25.2	26.4	27.4	25.6	26.6	27.0	25.6	27.4	25.5	27.8	26.2	25.7
6	8	25.6	26.5	26.4	27.5	24.4	23.4	27.8	23.6	25.0	25.9	27.4	24.8	27.1	27.4	25.8	27.7	25.9	27.9	26.3	26.1
7	8	25.8	26.6	26.7	27.4	24.4	22.8	27.6	23.2	25.1	25.3	27.4	24.8	27.0	27.4	25.4	27.6	26.2	28.1	26.6	26.6
8	8	26.1	27.0	26.6	27.4	24.2	23.0	27.0	23.3	25.2	25.0	26.7	25.2	27.0	27.6	25.0	27.6	26.5	28.0	26.8	27.0
9	8	25.6	27.1	25.6	27.7	24.2	22.8	26.8	24.6	25.0	25.2	26.8	24.8	26.8	27.7	25.0	27.5	26.1	27.7	26.9	27.2
10	8	25.8	27.4	25.0	27.0	24.0	22.8	26.2	25.4	24.8	25.4	26.7	24.7	26.6	27.7	25.4	27.4	26.1	27.8	26.7	27.6
11	8	26.0	27.6	24.7	26.8	23.8	23.9	25.8	25.7	24.4	25.8	25.6	23.6	26.2	27.8	25.4	27.7	26.1	27.8	26.4	28.0
12	8	25.8	26.9	25.4	26.2	24.4	24.4	25.8	25.5	24.6	25.2	25.4	23.0	25.8	27.8	25.8	27.5	25.1	27.9	26.3	28.0
13	8	26.5	26.5	25.2	25.6	24.6	24.8	26.2	24.9	25.2	25.4	25.6	23.4	24.8	27.8	26.2	27.8	24.7	27.4	26.4	27.7
14	8	26.6	26.4	25.0	25.8	25.2	24.9	26.4	24.8	25.4	25.8	25.6	23.6	24.4	28.0	26.2	27.8	24.6	26.0	26.4	27.6
15	8	26.6	26.0	24.6	26.4	24.4	24.4	26.6	25.0	25.8	25.8	26.0	24.2	24.5	28.2	26.2	27.8	24.8	25.6	26.6	26.9
16	8	27.0	26.3	24.2	27.0	24.2	24.2	25.2	25.2	26.0	26.2	26.0	25.0	24.2	28.2	25.5	27.8	24.9	26.3	26.6	25.7
17	8	26.9	26.4	24.1	27.1	23.0	23.2	25.6	25.5	25.8	26.2	26.0	25.0	25.0	26.8	25.3	28.0	25.3	26.6	26.8	25.4
18	8	27.0	26.4	24.4	27.6	24.2	22.6	25.6	26.2	25.1	26.0	26.0	25.2	25.5	26.4	23.8	27.2	25.5	26.7	26.7	25.4
19	8	27.0	26.8	24.4	27.4	24.6	22.6	25.4	26.4	24.9	26.2	26.2	25.0	25.8	26.6	23.9	27.1	25.3	27.1	27.0	26.0
20	8	27.4	26.8	24.4	27.6	25.2	22.4	25.2	26.6	25.0	26.4	25.6	25.0	25.8	27.2	24.1	26.5	24.9	27.1	26.9	26.5
21	8	27.6	27.2	24.2	27.2	25.8	21.6	25.4	26.8	25.4	26.1	25.4	25.0	26.2	27.4	24.2	24.9	25.2	27.0	27.1	26.6
22	8	27.8	27.2	23.3	27.4	26.2	22.6	24.8	27.0	25.8	26.2	25.4	25.6	26.4	27.6	24.6	24.0	25.4	25.1	27.1	27.0
23	8	27.8	27.3	23.6	27.3	24.2	22.2	23.6	26.8	25.8	26.0	25.2	25.7	26.4	27.2	24.5	23.0	24.9	24.0	27.0	27.0
24	8	27.9	27.2	23.0	27.6	23.8	21.6	23.3	27.2	26.1	26.0	25.2	26.2	27.0	27.2	24.7	23.3	24.2	23.8	26.9	26.2
25	8	27.2	27.0	22.8	27.6	24.0	21.4	23.0	27.2	25.2	25.9	25.4	26.2	27.0	27.0	24.4	24.3	24.0	24.2	26.6	27.0
26	8	26.2	27.2	22.8	27.4	24.8	21.9	23.2	27.2	25.0	25.2	25.2	26.0	27.0	26.8	23.6	25.0	24.2	24.5	26.7	27.0
27	8	25.0	27.4	22.4	27.4	24.4	22.0	23.0	26.8	25.0	25.1	25.3	26.0	26.6	27.2	23.8	25.8	24.1	24.9	26.6	27.0
28	8	24.6	27.5	26.5	27.0	23.9	22.0	23.4	26.2	25.3	25.6	25.4	25.0	24.3	26.8	24.1	26.0	24.1	25.2	25.6	26.9
29	8	24.4	26.7	22.5	26.9	23.0	22.2	22.7	26.2	25.2	26.0	25.4	25.0	23.7	26.0	23.4	26.3	24.3	24.9	25.0	26.8
30	8	24.8	26.4	22.0	27.0	23.5	22.0	22.2	26.6	25.0	26.0	24.2	24.8	23.8	25.6	23.0	26.6	24.3	24.1	25.4	26.8
31	8	25.0	26.1	21.8	27.4	24.2	22.0	22.0	27.0	24.0	26.0	24.2	24.7	23.6	24.8	23.0	26.8	24.4	24.0	25.9	26.6
1	9	25.2	25.1	21.7	27.0	25.1	22.0	21.8	26.8	23.8	24.6	23.0	24.6	24.0	24.7	22.8	26.9	24.0	24.1	26.3	26.5
2	9	24.5	25.4	22.1	25.2	24.9	21.7	21.1	25.0	22.4	24.2	22.6	24.6	24.2	25.0	22.8	26.8	22.6	24.2	26.4	26.5
3	9	24.6	25.0	21.8	24.2	25.0	21.0	21.8	24.6	23.8	24.6	22.2	25.3	24.2	23.8	23.2	26.8	24.0	24.6	26.2	26.2
4	9	24.6	24.6	22.1	23.0	24.9	21.9	22.0	24.0	23.6	24.8	22.2	25.2	23.8	23.2	22.6	26.7	23.9	23.8	25.6	25.4
5	9	24.6	24.6	22.2	22.9	24.6	21.9	22.8	24.1	24.0	25.0	22.2	25.4	24.4	23.2	22.0	26.8	24.0	22.7	25.5	25.6
6	9	22.6	24.2	22.5	22.6	24.4	21.4	22.6	22.9	24.2	24.8	22.2	25.6	24.4	23.2	21.2	26.7	24.0	22.0	25.2	25.0
7	9	21.4	23.4	22.2	22.4	23.1	21.3	22.0	22.4	24.4	23.6	22.5	25.4	24.4	23.0	20.6	25.8	23.2	22.0	24.9	25.2
8	9	21.3	22.2	22.8	22.4	22.9	21.4	21.8	21.6	24.2	23.0	22.2	25.4	24.4	23.3	21.0	23.6	23.2	22.8	24.7	25.0
9	9	21.2	21.8	23.3	22.2	23.0	21.2	21.6	22.4	24.2	22.8	22.4	24.2	23.8	23.0	21.4	22.7	23.2	23.3	24.7	24.6
10	9	22.6	23.8	23.2	22.4	22.3	21.1	21.3	21.6	24.2	23.0	22.0	24.0	23.6	23.4	21.4	22.8	23.7	23.2	24.6	24.0
11	9	22.8	23.6	22.9	23.0	22.0	21.0	21.2	21.4	23.4	23.0	21.4	23.9	23.8	23.6	21.4	21.4	23.8	23.4	24.1	24.4
12	9	23.4	23.0	23.2	23.0	21.6	21.2	21.2	21.0	23.0	23.4	21.6	23.8	23.4	23.4	21.4	21.5	23.8	23.7	23.7	24.2
13	9	23.9	21.9	22.7	22.2	21.8	21.3	21.2	21.0	23.4	23.6	20.4	23.5	23.2	23.6	21.0	21.4	24.2	23.6	23.7	24.2
14	9	24.2	22.0	22.4	21.4	22.2	21.3	21.1	20.4	22.4	23.6	20.2	24.2	23.2	23.0	20.6	22.2	24.1	23.2	23.7	24.0
15	9	24.1	21.8	22.1	20.8	22.0	21.2	21.2	20.7	20.8	23.6	20.8	24.8	23.0	21.2	20.4	22.8	24.1	23.2	23.7	24.0
16	9	23.8	21.5	21.6	20.5	22.6	21.1	21.0	20.2	20.2	23.5	20.6	25.0	23.0	21.3	19.5	23.0	24.2	23.0	23.5	23.8
17	9	23.5	21.4	20.6	21.6	22.7	21.2	21.0	19.8	19.6	23.4	20.5	25.2	22.8	21.3	18.6	23.5	24.2	23.2	23.4	23.7
18	9	22.8	20.4	20.4	21.7	21.8	21.2	21.0	19.7	19.4											

29	10	14.8	15.6	13.0	11.4	14.6	14.1	16.8	13.6	14.6	14.6	11.8	13.0	15.4	15.4	14.4	13.0	12.1	14.4	15.3	16.0
30	10	14.8	16.0	12.9	11.2	14.8	12.9	16.5	13.2	14.8	14.0	11.2	13.0	15.3	15.8	14.2	13.2	12.0	13.7	15.4	15.8
31	10	14.6	16.0	12.6	11.2	14.8	12.1	15.4	13.2	14.8	13.4	11.4	12.4	15.2	15.8	13.8	12.8	12.0	12.8	15.7	15.8
1	11	14.6	16.8	12.3	11.6	14.6	12.1	14.6	13.3	15.4	13.2	11.0	12.2	14.6	16.0	13.5	12.5	11.9	12.8	15.9	14.8
2	11	14.8	16.8	12.7	11.6	15.1	12.0	13.6	13.0	15.3	12.5	11.0	12.4	14.0	15.8	13.2	12.3	12.1	13.1	16.2	14.2
3	11	14.6	16.6	12.0	11.8	15.0	12.2	11.6	12.6	15.2	12.0	11.0	12.4	14.2	15.6	12.2	12.1	12.4	13.2	15.8	14.2
4	11	14.3	14.2	12.0	12.0	14.4	12.3	10.4	12.3	15.6	11.8	10.8	11.8	14.6	15.6	12.2	12.1	12.0	13.4	15.8	14.2
5	11	14.7	13.0	12.0	12.0	14.2	12.5	10.2	11.6	15.6	11.4	11.2	11.8	14.6	15.7	12.0	12.0	11.9	13.5	15.5	13.9
6	11	14.6	12.5	11.8	11.4	13.6	12.3	10.0	11.6	15.4	11.6	11.4	11.4	14.4	15.8	11.8	11.8	11.6	13.3	15.2	15.2
7	11	14.2	13.4	11.4	11.1	13.6	12.1	11.2	10.7	15.4	12.0	11.6	11.0	13.6	15.0	11.8	11.6	11.9	13.0	15.2	15.4
8	11	14.6	13.6	11.3	10.6	13.6	11.8	11.4	10.4	15.0	12.2	11.8	11.4	13.2	15.0	11.8	11.4	12.0	12.6	15.2	15.6
9	11	14.6	13.6	11.1	10.2	13.7	11.9	11.8	10.6	14.2	12.6	11.8	11.1	12.4	14.8	11.6	11.6	12.1	12.4	14.9	15.4
10	11	14.4	13.7	10.8	10.4	13.6	11.4	11.6	10.6	14.0	12.6	11.8	11.2	12.2	14.2	11.6	12.2	11.5	12.4	14.8	15.4
11	11	14.8	14.1	10.4	10.4	14.0	11.4	11.6	10.0	13.4	12.0	11.8	11.0	12.2	14.8	11.6	12.4	11.7	12.4	14.5	15.4
12	11	14.6	14.1	10.2	10.0	13.8	11.4	11.6	10.2	13.0	11.2	12.0	10.4	12.2	14.8	11.6	12.6	11.7	12.1	14.1	15.2
13	11	14.4	14.0	10.2	10.1	14.0	11.4	11.4	9.7	13.4	11.0	12.0	9.8	12.1	14.8	11.6	12.3	11.1	12.2	14.1	15.2
14	11	14.0	13.6	10.1	9.2	13.8	11.2	11.0	9.2	13.3	10.4	12.0	10.0	12.1	14.8	12.0	12.5	10.1	12.2	13.9	14.6
15	11	14.0	13.0	9.6	9.0	13.5	11.2	11.2	10.2	13.1	10.4	11.8	9.6	11.8	14.4	11.9	12.6	10.0	11.9	13.7	14.5
16	11	14.0	12.6	9.6	9.0	12.7	11.0	11.2	9.7	13.1	10.4	11.6	9.4	11.2	14.0	11.6	11.7	10.0	11.4	13.4	14.5
17	11	13.6	11.4	9.8	9.8	11.6	11.1	11.2	9.5	12.6	10.7	11.6	9.4	11.1	13.8	11.6	12.0	9.9	11.1	12.3	14.4
18	11	13.6	11.3	9.4	9.8	11.2	11.0	11.4	8.9	12.0	10.7	12.0	9.2	10.9	13.4	11.6	13.0	9.7	10.9	11.3	14.4
19	11	13.5	11.2	9.1	9.4	11.0	10.4	11.4	8.4	12.2	11.0	12.0	8.6	10.6	13.2	11.5	11.4	9.4	10.8	10.2	14.3
20	11	13.2	10.8	9.7	10.0	10.7	10.4	11.0	7.6	11.4	10.8	11.8	8.5	10.7	13.2	11.5	11.2	9.3	10.8	10.2	14.3
21	11	13.0	10.4	9.9	9.9	10.3	8.6	10.8	6.9	11.2	10.8	12.0	8.5	10.8	12.8	11.1	11.4	9.3	10.1	10.1	14.2
22	11	13.0	8.1	10.0	9.7	9.6	8.6	10.6	6.6	12.6	10.8	11.8	8.0	10.4	12.5	10.6	11.6	9.3	10.3	10.1	13.8
23	11	12.9	9.0	10.2	9.4	9.6	8.4	10.6	7.0	11.8	10.4	11.8	8.0	10.4	12.4	10.6	11.7	9.1	10.2	9.9	12.6
24	11	12.6	9.8	10.0	9.2	9.8	8.0	10.6	7.2	9.0	10.5	11.6	7.8	10.3	12.0	10.6	11.5	9.0	10.3	10.1	12.6
25	11	12.3	9.6	10.0	9.2	8.0	8.0	10.8	6.8	8.6	10.6	11.0	7.8	10.3	11.6	10.3	11.0	8.8	10.2	10.3	11.4
26	11	12.2	6.8	10.2	8.9	7.6	8.3	11.0	7.0	9.4	10.6	11.0	7.8	10.2	11.2	10.3	10.5	8.8	9.9	10.4	11.1
27	11	12.2	8.6	10.2	8.8	7.7	8.6	11.2	6.9	8.7	10.6	10.9	7.4	10.6	9.8	9.6	10.1	8.7	9.6	10.2	11.6
28	11	12.2	8.9	10.2	8.8	8.0	8.6	11.2	6.4	8.8	10.6	11.6	7.4	10.2	9.6	9.4	10.0	8.7	9.2	9.8	11.6
29	11	11.8	8.6	10.0	9.1	7.8	8.6	10.8	5.8	9.0	10.4	11.4	7.4	10.0	9.4	9.4	9.5	8.3	8.7	8.4	11.6
30	11	11.8	6.6	10.6	9.0	7.6	9.0	10.6	6.0	9.0	10.0	10.4	7.3	10.0	8.8	9.4	9.3	7.5	8.6	7.9	10.6
1	12	11.6	6.6	10.4	9.4	7.6	9.2	10.6	6.0	9.0	10.2	10.2	7.2	9.6	8.8	8.8	9.7	7.2	8.7	7.4	10.2
2	12	11.4	6.4	9.8	9.3	7.6	9.0	10.6	6.0	9.4	10.1	10.0	7.2	9.6	9.0	8.2	9.5	7.0	8.6	7.1	9.4
3	12	11.4	5.8	9.8	8.8	7.4	8.9	10.2	5.4	9.2	10.2	9.0	6.8	9.7	8.4	8.1	9.9	7.3	8.3	6.9	9.4
4	12	11.4	5.4	9.4	8.7	7.8	8.2	10.0	6.6	9.0	10.2	9.0	7.2	8.4	7.4	7.9	9.9	7.3	8.3	6.8	9.4
5	12	11.2	5.2	9.2	8.4	7.8	8.0	10.3	6.4	8.6	10.4	8.6	7.6	8.6	7.6	8.0	9.9	7.3	7.5	7.4	8.8
6	12	11.2	6.2	9.0	8.2	7.8	8.0	9.6	5.6	8.6	10.4	7.6	8.0	8.4	7.4	8.0	10.0	7.1	7.3	7.6	8.8
7	12	10.9	4.2	8.8	8.2	7.4	7.8	9.0	6.2	8.8	10.4	7.4	8.0	8.4	7.0	7.8	9.3	7.0	7.1	7.8	8.6
8	12	9.7	4.0	7.4	8.2	6.7	8.0	9.0	6.4	8.6	10.4	7.4	7.8	8.3	6.8	7.2	9.0	6.9	7.1	7.4	8.7
9	12	9.8	4.4	6.8	7.6	6.8	7.7	9.6	6.2	7.6	10.0	7.4	6.8	8.2	6.8	7.2	8.9	6.8	7.1	7.2	8.6
10	12	9.4	4.1	6.2	7.7	6.6	7.6	8.2	6.2	7.4	10.0	7.0	6.2	7.3	6.8	6.9	8.6	6.9	7.0	7.2	8.6
11	12	10.0	3.0	6.2	7.4	6.9	7.4	9.4	6.6	7.4	9.5	6.6	6.6	7.1	6.7	6.9	8.5	7.2	6.6	6.9	8.4
12	12	10.2	3.6	5.8	7.8	6.4	7.0	9.4	6.4	7.3	9.3	6.8	6.4	6.8	6.4	6.9	8.2	7.2	6.4	6.7	8.3
13	12	10.4	3.6	6.0	7.8	6.2	7.1	9.4	6.6	7.6	9.2	6.2	6.8	6.0	6.2	7.2	8.1	7.1	6.4	6.6	8.2
14	12	10.7	3.8	6.0	8.0	6.0	7.1	9.0	6.2	7.4	8.6	6.2	7.0	6.2	6.4	6.9	8.0	6.6	6.7	6.6	8.2
15	12	10.0	4.0	5.4	7.6	6.0	5.6	8.6	5.6	7.4	8.4	5.6	6.8	5.8	6.0	6.9	8.1	6.3	6.7	6.6	8.4
16	12	10.0	3.8	5.0	7.4	6.0	6.8	8.4	5.4	7.6	7.8	5.0	6.6	5.8	5.4	6.9	7.9	6.2	6.7	6.4	7.7
17	12	9.2	3.0	4.8	6.2	5.8	6.8	8.6	5.2	7.4	7.6	4.8	6.8	5.8	5.4	7.2	7.8	5.6	6.5	6.1	7.6
18	12	9.2	3.0	5.2	6.4	5.8	6.6	8.6	5.3	7.4	7.1	4.2	6.7	6.0	5.5	7.2	7.6	5.5	6.1	6.2	7.3
19	12	9.0	3.0	5.3	5.8	6.0	5.6	8.4	5.2	7.4	7.0	4.0	6.3	5.6	5.2	7.2	7.4	5.3	5.9	6.2	7.2
20	12	6.4	2.8	5.0	5.8	6.3	5.6	8.6	5.0	7.4	6.8	3.8	6.6	5.6	5.4	7.2	7.3	5.2	5.5	6.1	7.2
21	12	6.6	3.0	5.0	5.7	6.1	5.9	8.4	4.6	7.0	5.6	3.8	6.4	4.8	4.8	7.3	7.4	5.2	5.5	5.8	7.2
22	12	6.8	2.8	5.2	5.7	6.0	5.6	8.4	4.2	6.8	5.4	3.4	5.8	4.5	4.8	7.3	7.3	5.0	5.4	5.7	7.2
23	12	6.4	3.0	5.0	5.6	5.7	5.6	8.4	4.4	6.8	5.4	3.4	6.0	4.5	4.7	7.2	7.6	5.0	5.2	6.0	7.4
24	12	6.0	3.1	4.8	5.5	6.0	5.6	7.8	4.4	5.8	5.4	3.6	6.0	4.4	4.4	7.4	7.6	4.8	5.4	6.2	7.4
25	12	5.8	3.1	4.8	4.0	6.0	5.6	7.4	4.4	5.8	5.4	3.6	5.8	3.8	4.2	7.4	7.5	4.3	5.8	5.8	7.3
26	12	6.0	2.4	3.8	3.4	6.0	5.3	7.2	3.8	6.4	5.4	3.4	6.2	3.8	4.4	7.5	7.6	4.5	5.8	5.2	7.3
27	12	6.0	2.4	4.4	2.9	5.8	5.8	7.2	4.2	5.8	5.4	3.4	6.2	4.2	4.0	6.0	7.4	4.7	5.7	5.1	7.0
28	12	8.6	2.5	3.6	2.7	5.8	5.4	6.8	4.2	5.6	5.4	3.0	5.8	4.6	4.0	6.5	7.3	4.7	5.9	5.3	7.2
29	12	8.8	2.2	4.0	2.5	5.8	5.6	6.2	4.3	5.6	5.0	3.2	5.8	4.6	4.2	5.8	7.3	4.6	6.0	5.6	6.5
30	12	8.2	2.4	4.0	2.4	5.6	5.2	6.8	3.6	5.4	4.4	3.0	5.8	4.8	4.6	4.6	7.1	4.4	5.8	5.3	6.5
31	12	7.8	2.6	3.9	2.5	5.6	5.6	6.6	3.8	5.4	4.5	2.6	5.6	4.1	4.6	5.0	6.2	4.1	5.6	5.3	6.5