

Executive Agency "Exploration and Maintenance of the Danube river"

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

The water gauge is located at km 495.600 with a zero elevation of 11.80 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	2.6	5.9	1.2	2.3	2.6	4.6	4.8	4.6	2.5	3.9	3.7	1.7	4.2	2.4	3.7	2.7	4.0	2.4	4.5	3.9
2	1	2.4	5.2	0.6	2.1	2.6	4.5	4.4	4.9	2.1	3.8	4.0	1.7	4.1	2.5	3.7	2.5	3.5	1.8	4.6	3.7
3	1	2.1	5.2	0.5	1.8	2.6	4.4	4.4	5.3	0.6	3.6	4.0	1.7	3.8	2.6	3.7	2.9	2.4	1.8	4.5	3.6
4	1	2.0	5.2	0.2	1.9	2.6	4.1	4.2	4.8	0.4	3.3	4.1	1.6	3.9	2.9	3.8	2.9	0.6	2.0	4.6	3.3
5	1	1.8	5.2	0.1	2.0	2.6	4.1	4.1	4.7	0.7	3.0	4.1	1.5	4.0	3.3	4.0	2.9	0.5	1.9	4.8	3.0
6	1	2.2	5.0	0.1	2.5	2.4	4.4	4.0	4.7	0.5	2.5	4.0	1.5	4.3	3.8	3.9	3.0	0.8	1.5	4.8	2.7
7	1	2.4	4.9	0.0	2.6	1.8	4.4	3.6	4.8	0.5	2.4	4.4	1.2	4.3	3.6	4.0	2.9	1.3	0.9	4.7	2.5
8	1	2.2	5.0	0.1	2.8	1.4	4.4	3.5	4.8	0.7	2.0	5.3	1.1	4.0	3.2	4.0	2.0	1.5	0.0	4.6	2.3
9	1	2.0	5.2	0.1	2.6	1.2	4.6	3.4	4.8	0.7	1.7	5.4	1.1	4.0	2.7	4.0	1.5	2.0	0.0	4.7	2.0
10	1	1.7	5.1	0.2	2.6	0.5	4.6	3.4	4.8	0.8	1.3	5.4	1.1	4.0	2.5	4.3	2.0	2.7	0.0	4.8	2.3
11	1	1.5	5.2	0.1	2.6	0.3	4.8	3.2	4.9	0.8	1.2	4.6	1.4	3.9	2.5	4.3	2.9	3.4	0.0	4.6	2.2
12	1	1.5	5.3	0.1	2.2	0.1	4.8	3.3	5.0	0.8	1.2	4.6	1.6	3.8	2.8	4.4	2.8	4.0	0.0	4.8	2.2
13	1	1.6	5.0	0.2	1.8	0.6	4.8	3.3	4.9	0.6	0.6	4.8	1.6	3.8	2.7	4.8	3.1	4.2	0.0	4.7	2.0
14	1	1.6	4.7	0.2	1.4	1.6	4.8	2.8	4.8	0.4	0.6	5.0	1.8	3.9	2.7	4.5	3.2	4.4	0.0	4.2	2.0
15	1	1.6	4.4	0.1	1.4	2.2	4.7	2.7	5.0	0.4	0.8	5.0	1.9	3.4	2.9	4.4	3.4	4.2	0.0	3.8	2.1
16	1	1.5	4.3	0.1	1.9	2.4	4.5	2.6	5.0	0.4	1.4	5.0	2.2	3.0	3.0	4.6	3.1	4.1	0.0	3.4	1.7
17	1	1.7	4.2	0.2	1.9	2.5	4.4	2.3	4.8	0.4	1.5	4.4	2.6	2.8	3.0	4.6	2.7	2.8	0.0	3.4	2.0
18	1	1.8	4.4	0.1	1.9	2.6	4.2	2.2	4.9	0.5	2.0	4.2	3.0	2.6	3.1	4.6	2.7	2.1	0.0	3.7	2.3
19	1	1.8	4.2	0.1	1.8	2.7	3.9	2.1	5.3	0.7	2.0	4.0	3.0	2.5	3.2	5.1	2.6	1.9	0.0	3.8	2.7
20	1	1.9	4.1	0.2	1.9	2.6	3.9	2.2	5.5	1.1	2.1	3.4	3.0	2.6	3.4	5.6	2.9	1.6	0.0	3.9	2.6
21	1	1.6	4.2	0.3	2.1	2.6	3.7	2.2	5.8	1.5	2.3	3.3	3.0	3.3	3.6	6.0	3.1	1.4	0.0	4.0	3.0
22	1	1.5	4.0	0.9	2.2	2.0	3.8	2.2	5.9	2.0	2.5	3.0	3.1	3.0	4.1	5.8	2.8	1.4	0.0	3.8	2.8
23	1	1.1	3.6	1.4	2.4	1.8	3.8	1.1	6.1	2.5	3.0	2.7	2.8	3.2	4.1	5.8	3.4	1.4	0.0	3.4	2.8
24	1	0.8	3.5	1.8	2.6	1.6	3.7	0.5	6.3	2.6	3.0	2.0	2.7	3.4	4.3	5.8	3.7	1.4	0.0	3.4	2.7
25	1	0.6	3.0	1.8	2.7	1.3	3.5	0.2	6.6	3.0	3.0	2.0	2.8	3.2	4.3	5.0	3.9	1.0	0.0	3.2	2.5
26	1	0.2	3.1	2.2	2.8	1.2	3.4	0.2	6.5	3.0	3.1	1.5	2.7	2.6	3.2	3.6	4.0	1.1	0.0	3.4	2.2
27	1	0.2	3.2	2.2	2.6	1.2	3.4	0.1	6.2	3.0	3.1	1.3	2.7	1.5	3.3	2.5	4.6	1.3	0.0	3.6	2.2
28	1	0.1	3.5	2.4	2.6	1.1	3.6	0.1	5.4	3.4	3.1	1.2	2.5	1.0	3.2	2.2	4.8	1.7	0.0	3.6	2.0
29	1	0.1	3.8	2.9	2.8	1.3	3.2	0.1	4.8	3.4	3.3	1.2	2.3	0.8	3.2	2.6	4.9	2.3	0.0	3.7	2.2
30	1	0.6	4.2	3.3	2.7	1.6	1.6	0.3	4.6	3.4	3.3	1.4	2.3	0.6	3.6	2.4	5.0	2.7	0.0	3.9	2.3
31	1	1.3	4.6	3.4	2.8	1.6	1.4	0.6	4.5	3.5	3.2	1.5	2.2	0.4	4.0	1.8	5.4	3.0	0.0	4.4	2.7
1	2	1.8	4.2	3.6	2.8	1.4	1.2	1.2	4.9	3.5	3.2	1.7	2.1	0.3	4.2	1.4	5.5	3.4	0.0	4.4	3.0
2	2	2.4	4.0	3.6	2.6	1.6	1.9	1.4	5.2	3.8	3.3	1.5	2.0	0.0	4.1	1.2	5.5	4.2	0.0	4.4	3.6
3	2	2.7	3.0	3.5	2.3	1.6	2.4	1.8	5.3	3.8	3.8	1.2	1.5	0.0	4.4	1.9	5.2	4.7	0.0	4.6	3.8
4	2	2.9	2.8	3.3	2.0	2.5	2.1	2.0	5.4	4.2	3.9	1.1	1.3	0.0	4.5	2.2	5.2	5.0	0.0	4.9	3.8
5	2	2.9	2.9	3.4	2.3	2.8	1.7	1.8	5.2	4.2	4.1	1.0	1.5	0.0	4.4	2.3	5.0	5.1	0.2	4.7	4.2
6	2	2.9	3.2	3.6	2.5	3.3	1.4	1.2	5.0	4.3	4.4	1.0	1.7	0.0	4.3	2.4	5.0	4.7	0.6	4.7	4.1
7	2	3.1	3.8	3.7	2.5	4.1	1.1	0.6	5.0	4.6	4.5	1.0	2.0	0.0	4.2	2.4	3.9	4.3	1.3	4.9	3.8
8	2	3.1	4.3	4.1	2.6	4.6	0.5	0.1	5.1	4.5	4.8	0.7	2.2	0.0	4.2	2.4	4.1	4.3	1.5	5.1	3.4
9	2	3.4	4.8	4.4	2.5	4.8	0.3	0.2	5.3	4.5	5.0	0.4	2.5	0.0	4.2	2.6	4.0	4.1	0.6	5.0	3.3
10	2	3.6	5.3	4.6	2.4	4.2	0.0	0.2	5.7	4.4	4.8	0.3	2.6	0.0	4.1	2.6	4.0	4.2	0.5	4.9	3.3
11	2	3.9	5.3	4.9	2.4	3.2	0.0	0.5	6.0	4.2	4.7	0.4	2.7	0.0	4.2	2.9	4.0	4.6	0.5	5.0	3.5
12	2	4.1	5.4	5.2	1.7	2.9	0.0	1.1	6.3	3.9	4.9	1.1	2.8	0.0	4.1	3.0	3.6	5.1	0.2	5.0	4.1
13	2	4.1	5.5	5.5	1.1	2.2	0.0	1.3	6.1	3.8	4.8	1.3	2.9	0.0	4.0	3.2	3.7	5.7	0.0	4.9	4.2
14	2	4.2	5.6	6.0	0.8	1.9	0.5	1.4	6.5	3.8	4.5	0.8	2.9	0.0	4.2	3.6	3.6	5.9	0.0	5.1	4.4
15	2	4.2	5.6	6.3	1.0	1.7	1.0	1.3	6.4	4.0	4.6	1.6	2.7	0.0	4.2	3.4	3.8	6.2	0.7	5.0	4.4
16	2	4.1	5.4	5.8	1.2	1.9	1.9	1.2	6.3	4.0	4.6	1.6	2.2	0.0	4.3	3.5	3.8	6.2	1.3	5.0	4.4
17	2	4.2	5.7	5.6	1.1	2.6	2.3	1.6	6.1	3.6	4.5	1.8	2.2	0.0	4.2	3.5	3.5	6.4	1.8	5.1	4.4
18	2	4.6	6.0	5.6	0.9	3.0	2.5	1.8	5.5	3.5	4.5	1.9	2.4	0.0	4.1	4.3	3.2	6.5	2.0	5.2	5.0
19	2	4.6	6.2	5.9	1.4	3.1	2.6	2.5	5.2	3.5	4.6	2.1	2.5	0.0	4.2	4.4	2.9	6.6	2.6	5.4	5.0
20	2	4.6	5.7	5.8	1.5	3.5	2.2	3.0	5.4	3.7	4.2	2.5	2.4	0.0	4.3	5.2	3.1	6.4	2.9	5.0	5.2
21	2	4.6	5.6	6.0	1.9	2.8	2.3	3.6	5.8	4.0	3.3	2.9	2.5	0.0	4.3	5.6	3.4	6.4	2.7	4.8	5.5
22	2	4.6	5.6	6.2	1.6	2.6	2.5	4.1	6.1	4.5	3.3	3.4	2.5	0.0	4.6	6.1	3.9	6.6	3.1	4.5	5.6
23	2	4.6	5.5	6.3	1.6	2.9	2.6	4.1	6.7	5.1	3.5	3.7	2.3	0.0	5.0	6.3	4.4	7.3	3.6	4.1	4.9
24	2	4.5	5.7	6.4	1.8	3.3	2.3	4.2	6.0	5.7	3.5	3.8	2.1	0.0	5.0	6.5	4.4	7.7	4.3	4.0	4.3
25	2	4.7	5.7	6.4	1.9	3.4	2.7	3.4	5.3	5.9	3.8	3.8	1.9	0.6	5.2	6.2	4.7	8.0	4.8	3.8	4.2
26	2	4.8	5.0	6.4	1.8	3.4	2.8	3.0	4.9	6.3	3.7	3.9	1.8	1.0	5.6	6.3	5.0	7.7	4.7	3.0	4.3
27	2	4.8	4.4	6.3	2.0	3.7	3.0	3.0	5.1	6.6	3.8	4.0	1.8	3.0	5.3	6.3	6.0	7.8	4.9	1.4	4.6
28	2	5.0	4.5	6.8	2.3	4.0	2.4	3.5	5.2	7.0	3.8	4.5	1.8	2.3	4.9	6.5	6.3	7.8	5.2	1.2	4.8
29	2	5.1				4.6				6.9					1.6			7.8			
1	3	5.1	4.8	7.2	2.2	4.8	2.4	3.3	5.6	7.0	3.9	5.0	2.0	2.4	4.9	7.1	6.2	7.8	5.4	1.1	5.3
2	3	5.2	5.0	7.6	2.5	5.0	2.0	4.3	6.3	7.3	4.5	5.4	2.0	2.2	5.1	6.9	6.3	8.0	5.6	1.6	6.0
3	3	5.4	5.9	8.1	2.6	4.2	1.8	4.4	6.8	7.5	4.7	5.9	1.9	2.1	5.3	7.0	6.5	8.0	5.4	2.1	6.2
4	3	5.3	6.3	8.0	2.9	3.9	2.0	4.4	7.4	7.9	4.9	6.2	2.2	2.7	5.2	7.0	6.7	8.2	5.4	2.7	6.2
5	3	5.6	6.6	7.8	2.7	3.9	2.4	4.8	7.4	8.2	5.4	6.2	2.2	3.1	5.4	7.1	7.0	8.0	6.0	2.7	7.0
6	3	5.2	7.3	7.9	2.8	4.2	3.1	5.2	6.9	7.6	5.5	6.2	3.0	2.4	5.5	7.3	6.8	8.2	6.4	3.2	7.0
7	3	5.1	6.6	8.1	3.1	4.0	3.1	5.2	7.0	7.5	5.9	5.6	3.1	3.2	6.0	7.3	6.3	8.4	6.8	3.6	7.1
8	3	5.3	6.6	8.4																	

6	4	10.8	10.4	9.2	9.5	10.4	9.4	11.4	10.7	10.1	9.9	11.8	11.2	12.1	7.5	13.2	9.9	12.2	13.2	9.7	11.2
7	4	11.0	10.6	8.8	8.9	10.3	10.0	11.6	11.0	10.1	10.4	11.7	11.5	12.0	7.8	12.9	9.5	12.6	12.8	9.9	11.5
8	4	10.8	11.1	8.5	8.2	10.9	10.3	11.4	11.2	10.6	10.7	11.6	11.9	11.8	7.6	12.8	9.6	13.1	12.0	10.1	11.8
9	4	10.7	11.6	8.8	7.9	11.2	10.4	11.0	11.3	10.9	11.2	11.9	11.8	12.6	7.8	13.5	9.6	13.1	11.8	10.9	12.2
10	4	10.6	11.7	9.0	8.4	11.0	11.1	11.0	12.0	11.3	11.6	11.9	11.8	12.0	7.8	14.0	9.4	13.8	12.2	11.4	12.5
11	4	11.0	11.7	9.1	9.2	10.5	11.4	11.2	12.4	11.9	11.9	11.5	12.0	11.5	8.1	13.5	9.9	13.5	12.8	12.0	12.4
12	4	11.0	11.4	9.2	10.3	11.0	11.4	11.4	12.4	12.0	12.1	12.8	12.1	12.0	8.8	13.7	11.0	13.5	13.7	12.5	12.3
13	4	11.2	12.0	9.4	10.5	11.2	11.6	11.0	13.2	12.4	12.2	12.9	12.3	12.6	9.2	13.5	11.2	14.0	14.1	12.9	12.4
14	4	11.6	11.8	9.6	10.7	11.0	11.9	10.8	13.6	12.6	12.1	13.0	12.3	12.8	9.4	13.2	11.6	14.3	14.3	13.3	12.2
15	4	11.8	11.7	10.0	10.7	11.2	12.3	10.8	13.9	12.2	11.9	12.8	11.9	13.6	10.0	13.7	11.6	14.4	14.7	13.8	11.9
16	4	12.1	11.2	10.2	10.8	11.8	12.3	11.2	13.6	12.3	12.1	13.1	11.9	13.6	10.0	14.0	11.7	14.6	15.0	14.0	12.0
17	4	12.4	11.3	10.5	10.7	12.2	12.8	11.4	13.8	12.1	12.4	13.1	12.0	13.8	10.2	12.8	12.0	15.4	15.0	14.1	12.2
18	4	12.8	11.8	11.0	11.2	12.2	12.8	11.5	14.0	12.3	12.9	13.1	12.2	13.8	10.6	12.8	12.4	15.9	14.0	14.2	13.0
19	4	13.2	11.5	11.6	10.9	12.1	13.0	12.1	14.1	12.7	13.5	13.1	12.7	12.5	10.7	12.4	12.4	16.5	14.0	14.6	13.2
20	4	13.5	12.2	11.7	10.3	12.2	12.9	12.0	14.0	13.0	13.7	13.4	13.0	13.5	11.2	12.4	12.6	16.4	13.3	15.0	13.4
21	4	13.6	12.4	11.5	10.5	12.0	12.8	12.2	14.6	13.6	14.0	13.2	13.2	13.0	11.7	13.0	12.4	15.6	12.4	15.1	13.5
22	4	14.0	12.8	12.1	11.0	12.0	12.6	12.3	15.0	14.2	14.3	13.3	13.6	13.5	12.5	13.8	12.5	15.6	12.0	15.5	14.0
23	4	14.2	13.0	12.5	11.5	12.0	12.4	12.6	15.4	14.3	13.9	13.5	14.0	13.8	12.7	14.1	12.5	15.8	12.0	16.0	13.8
24	4	14.3	12.4	12.9	10.9	12.4	12.2	13.2	15.8	14.6	13.9	13.7	14.2	14.1	13.5	14.5	12.8	16.3	11.8	16.3	14.0
25	4	14.6	12.0	13.3	11.6	12.8	12.4	13.4	16.1	14.3	14.2	14.1	14.5	14.3	14.4	14.7	13.2	16.0	12.2	16.7	14.1
26	4	15.0	11.9	13.8	12.6	13.2	12.6	13.9	16.2	14.1	14.2	14.0	14.6	14.4	14.7	14.3	14.0	15.7	13.0	17.1	15.0
27	4	15.4	12.3	14.0	13.1	13.3	12.7	14.0	16.1	14.2	14.3	14.0	14.6	14.6	15.4	14.4	14.5	14.8	14.0	17.5	15.6
28	4	15.5	13.0	14.4	13.8	13.2	13.2	14.2	16.5	14.2	14.6	14.0	14.6	14.7	15.9	14.5	15.0	15.0	14.9	17.8	16.0
29	4	15.8	13.1	14.7	14.2	13.6	13.5	14.3	16.8	14.3	14.8	14.3	14.6	15.0	16.4	14.6	15.0	15.4	15.7	18.0	16.1
30	4	16.4	13.2	15.3	14.8	14.5	13.5	14.2	17.4	14.8	14.9	14.6	14.6	15.4	16.9	15.2	15.0	15.7	15.7	18.0	16.4
1	5	17.0	13.5	15.5	15.5	14.9	13.4	14.2	17.5	15.3	15.3	15.1	15.0	16.0	17.4	14.7	14.8	16.1	15.1	18.4	16.3
2	5	17.3	13.8	15.7	16.3	15.4	14.0	14.4	17.2	15.7	15.8	15.6	15.9	16.2	17.9	15.2	15.2	16.2	14.8	18.2	16.0
3	5	17.0	14.4	16.1	16.8	15.7	14.4	14.6	16.6	15.9	15.8	15.5	15.8	16.6	18.2	15.3	15.4	15.8	14.9	18.5	16.2
4	5	16.7	14.9	16.6	17.4	16.0	14.9	14.3	17.8	15.9	15.8	16.2	15.6	17.2	18.4	15.8	16.0	15.4	15.1	19.4	16.6
5	5	16.6	15.6	16.9	17.7	16.2	15.3	14.3	17.5	15.7	15.9	16.8	15.0	17.3	18.9	15.7	16.4	14.8	15.7	20.0	16.5
6	5	16.9	16.1	16.4	18.0	16.6	15.6	14.6	18.7	15.5	16.0	17.0	14.4	17.5	19.1	15.3	17.2	14.3	15.9	20.2	16.8
7	5	17.2	16.2	16.8	18.2	16.8	15.6	15.0	18.3	15.9	16.3	17.2	14.6	18.0	19.4	15.0	17.6	14.3	15.8	20.6	16.4
8	5	17.6	16.2	17.1	18.2	16.6	15.4	15.4	18.4	16.1	16.3	17.2	14.7	18.3	19.4	15.0	18.0	15.2	16.0	20.2	15.5
9	5	17.8	16.4	17.2	18.7	16.9	15.4	15.6	18.9	16.5	16.4	17.4	14.8	18.8	19.3	15.6	18.3	15.5	15.4	20.8	15.6
10	5	18.1	16.6	17.1	19.1	16.9	15.6	16.0	19.2	16.6	17.0	17.4	15.0	18.8	19.5	16.2	18.4	15.6	15.4	20.5	15.8
11	5	18.4	16.8	17.4	19.6	16.8	15.7	16.0	19.6	16.7	17.5	18.1	15.4	19.2	19.7	16.3	18.4	15.4	15.4	20.2	15.5
12	5	18.9	17.2	17.8	20.0	17.2	16.0	15.5	19.9	16.9	18.1	18.7	15.7	19.6	19.6	16.8	18.6	16.3	16.1	20.3	16.1
13	5	18.8	17.0	17.9	20.4	17.5	16.0	15.6	20.6	16.9	18.6	18.9	16.4	20.0	19.9	16.5	18.4	16.5	16.3	20.1	16.5
14	5	19.1	17.2	18.0	20.8	17.5	16.4	15.8	20.8	17.4	18.1	19.3	17.3	19.7	20.0	16.7	18.5	16.6	16.6	20.6	16.5
15	5	19.4	17.3	18.4	21.2	17.2	16.4	16.3	20.8	17.6	18.5	19.3	17.9	19.0	18.9	16.3	19.0	16.5	16.8	20.7	16.3
16	5	19.8	17.7	19.3	21.2	16.9	16.4	16.5	20.8	18.2	19.3	19.3	18.4	18.5	19.0	15.8	19.3	16.9	17.0	21.0	16.2
17	5	20.1	18.1	19.2	20.9	16.8	16.6	16.8	21.3	18.8	19.5	18.8	18.8	17.9	19.0	15.9	19.4	16.6	17.7	21.0	15.9
18	5	20.4	18.7	19.8	19.9	16.6	16.9	17.2	21.8	19.3	20.1	18.0	18.7	17.5	19.2	15.7	19.6	16.4	17.3	21.0	16.1
19	5	21.0	19.6	20.4	20.4	16.6	17.0	17.4	21.3	19.8	20.3	17.0	18.6	17.6	20.0	16.2	20.0	16.3	17.4	21.5	16.4
20	5	21.4	19.4	20.8	20.8	16.7	17.2	17.8	20.9	20.1	20.7	16.8	18.8	16.7	20.2	16.9	20.3	16.8	17.4	21.0	16.9
21	5	21.4	19.1	20.3	21.3	17.1	16.8	18.4	20.1	20.5	21.0	16.9	18.9	17.1	20.3	16.7	20.0	17.4	18.1	21.2	16.8
22	5	21.0	19.4	19.7	21.3	17.9	16.8	18.9	20.3	20.7	21.5	17.0	19.2	18.3	20.5	16.8	20.4	17.5	18.6	21.2	17.0
23	5	21.3	19.0	19.8	21.6	18.3	16.9	19.6	20.7	20.5	21.8	17.1	20.3	18.7	20.3	16.6	20.6	17.8	19.0	21.4	16.8
24	5	21.2	18.6	19.9	21.2	18.2	17.6	20.0	21.0	20.3	21.8	17.4	20.5	18.6	19.0	16.8	21.1	18.3	19.4	21.4	16.9
25	5	20.4	19.0	20.4	21.2	17.1	18.5	20.5	21.1	20.8	21.8	17.4	21.4	18.6	19.6	16.7	21.2	18.1	19.8	21.7	17.0
26	5	20.7	19.3	20.9	20.4	17.0	18.5	20.6	21.9	20.9	22.2	17.2	21.7	17.6	19.5	17.3	21.2	18.1	19.6	21.8	17.1
27	5	21.5	19.5	21.3	20.2	17.0	18.6	20.4	22.8	21.2	21.9	17.5	21.7	17.4	19.4	17.7	21.1	18.1	19.7	22.0	17.3
28	5	21.9	20.2	21.5	21.0	17.2	18.4	20.4	22.7	21.9	22.0	17.6	21.5	17.2	19.1	18.1	20.6	18.3	19.2	22.2	17.1
29	5	22.0	20.6	21.9	21.3	17.9	18.4	20.6	22.9	22.1	22.2	17.8	21.6	16.7	19.3	18.6	20.2	18.7	19.1	21.8	17.6
30	5	22.3	20.6	21.4	21.4	18.4	18.8	21.1	22.5	21.3	21.4	18.0	21.8	16.7	19.4	18.7	19.7	19.3	19.3	22.2	18.0
31	5	22.0	20.7	21.3	21.4	18.2	19.3	21.6	22.1	21.7	20.1	18.2	21.8	17.2	19.1	18.7	19.8	20.0	20.0	22.6	18.4
1	6	22.0	21.4	21.2	21.8	18.6	19.5	20.9	21.9	22.1	20.3	18.0	21.9	17.8	19.0	18.1	20.1	20.4	21.0	23.1	18.3
2	6	21.0	20.8	20.6	21.8	19.0	19.2	20.3	21.4	22.2	20.6	17.8	22.3	18.3	19.6	17.5	20.3	20.9	21.9	22.6	18.6
3	6	21.1	20.5	20.1	22.2	19.2	19.2	20.2	21.8	22.0	20.9	18.0	22.5	19.2	19.6	17.9	20.5	20.9	22.7	23.6	18.8
4	6	21.2	20.7	20.2	22.8	19.2	19.7	20.1	22.5	22.0	20.9	18.3	22.9	19.8	19.3	18.4	20.2	21.2	22.6	23.9	19.0
5	6	22.2	19.0	20.6	23.4	18.8	20.2	19.5	22.9	22.6	21.0	18.8	23.3	20.4	19.3	18.8	20.1	21.1	22.3	24.2	18.9
6	6	22.6	18.0	21.0	23.6	18.3	20.9	19.2	23.0	22.5	21.3	18.9	23.5	20.1	19.2	19.1	19.7	21.6	22.5	24.8	19.0
7	6	23.2	18.4	21.2	24.4	18.6	20.9	19.2	22.5	22.2	21.6	19.4	23.5								

18	7	22.4	25.4	27.7	25.0	23.2	23.6	24.6	26.5	24.6	23.9	25.7	26.4	27.0	24.0	24.9	25.9	24.8	25.3	24.6	25.0
19	7	22.7	25.2	27.6	25.3	23.8	24.2	24.6	26.8	25.2	24.2	26.1	26.5	26.0	24.0	24.9	26.7	24.6	25.3	24.1	25.5
20	7	22.8	25.4	27.8	25.2	24.3	24.4	24.8	27.3	25.3	24.0	26.3	26.9	26.4	24.5	25.3	26.6	24.5	25.8	23.7	26.0
21	7	23.4	25.6	27.0	25.8	25.3	24.4	25.0	27.2	25.6	24.0	26.4	26.8	26.8	24.7	25.2	27.5	24.3	26.4	24.2	26.2
22	7	23.8	24.8	27.2	26.4	25.6	24.4	25.4	27.2	26.5	24.3	27.0	26.5	26.8	24.3	25.9	27.7	24.6	27.0	25.0	26.6
23	7	23.6	24.6	27.0	26.7	26.0	24.2	25.7	27.2	25.8	24.5	27.4	25.7	26.8	24.6	25.9	27.8	25.0	27.7	25.2	27.0
24	7	24.1	24.6	26.2	27.2	26.2	24.0	26.3	27.4	24.5	24.9	27.4	25.7	26.6	24.8	25.5	27.5	25.4	28.2	25.2	26.7
25	7	24.6	24.8	25.7	26.5	26.0	23.8	26.5	27.5	24.2	25.3	27.6	25.9	26.9	25.5	25.1	27.4	25.7	28.2	25.0	26.6
26	7	25.0	25.0	25.2	25.4	26.1	23.8	27.0	26.6	23.4	25.8	27.5	25.5	26.9	25.7	25.8	27.4	25.8	27.0	25.4	26.6
27	7	25.4	25.3	25.0	26.0	26.1	24.0	27.1	25.9	23.3	25.5	26.5	26.2	27.0	26.0	26.0	27.7	26.0	27.0	25.4	26.9
28	7	25.1	25.0	24.5	26.5	25.8	24.1	27.5	25.6	24.0	25.1	26.1	26.0	27.2	26.2	26.1	27.8	25.9	25.9	25.0	27.2
29	7	25.2	25.6	24.6	27.0	25.1	24.3	27.2	26.3	24.3	25.0	25.2	26.3	27.2	26.4	26.4	28.0	26.0	24.8	25.3	27.0
30	7	25.0	25.8	24.4	26.7	24.3	24.6	27.4	26.6	25.0	25.3	25.1	26.1	28.0	26.9	26.0	28.2	25.9	24.8	25.6	26.3
31	7	24.0	25.7	24.7	25.9	23.8	24.8	27.3	26.5	25.3	25.5	25.2	25.5	27.0	27.0	25.9	28.7	25.9	25.0	25.7	26.6
1	8	23.6	25.6	25.3	25.8	23.7	25.1	27.4	25.6	25.4	25.7	25.8	25.5	26.0	26.7	25.8	28.4	25.9	25.7	25.7	26.8
2	8	23.7	26.0	25.8	26.2	23.8	25.5	27.6	23.7	25.1	26.0	26.6	25.5	26.8	26.4	25.5	26.9	26.0	26.3	25.5	27.0
3	8	23.8	25.8	25.9	26.1	24.0	25.8	27.6	24.1	24.9	26.1	26.6	25.6	27.2	26.5	25.0	26.8	26.0	27.0	25.4	27.3
4	8	24.2	25.6	26.3	26.7	24.1	26.1	28.0	24.4	24.7	26.3	27.1	25.5	26.9	26.8	24.9	26.6	25.9	27.6	25.5	26.6
5	8	24.4	25.6	26.6	26.7	24.4	25.9	28.4	24.5	24.9	26.6	27.2	25.3	27.0	26.6	24.9	27.2	25.4	27.8	25.8	26.0
6	8	24.4	25.6	26.8	26.9	24.6	25.4	27.3	23.3	25.3	26.0	27.3	24.8	27.3	26.8	25.5	27.2	25.8	28.0	26.0	26.0
7	8	24.6	25.6	26.7	27.4	24.6	24.3	27.4	22.7	25.4	25.5	27.3	24.8	27.6	27.0	25.8	27.4	25.8	28.5	26.7	25.8
8	8	24.7	25.6	25.3	26.4	24.2	23.2	26.6	22.6	25.2	25.0	27.3	25.0	26.3	27.1	25.4	27.4	26.0	28.4	26.8	26.5
9	8	24.6	25.8	25.2	26.4	24.6	21.0	25.6	23.3	24.8	25.0	26.5	25.0	27.0	27.4	25.6	26.8	26.0	27.4	26.8	27.0
10	8	24.8	26.1	24.6	26.4	24.4	21.3	25.5	23.7	24.9	24.6	26.4	25.1	26.6	27.5	25.6	26.8	26.0	27.6	26.6	27.2
11	8	24.5	26.4	24.6	26.3	24.0	21.6	25.2	24.4	24.6	24.1	26.2	23.9	26.6	27.4	25.6	27.0	26.0	27.7	26.4	27.3
12	8	24.4	25.9	24.3	25.3	24.2	22.0	24.6	25.0	24.4	24.2	26.3	23.2	25.7	27.0	25.7	27.2	25.7	28.0	26.2	27.2
13	8	24.6	25.4	23.9	25.2	24.6	23.8	24.8	25.0	24.7	24.8	26.3	23.4	23.7	27.1	26.1	27.4	24.5	27.6	26.3	27.6
14	8	25.2	25.0	23.7	25.5	25.0	24.2	25.4	24.9	25.2	25.2	26.3	23.6	24.0	27.3	26.0	27.6	24.1	26.4	26.3	27.4
15	8	25.4	25.0	23.0	26.0	24.8	24.2	25.4	25.1	25.6	25.5	26.3	24.1	23.8	27.6	26.3	27.6	24.3	26.0	26.4	27.0
16	8	25.8	25.0	23.1	26.4	24.4	24.2	26.0	25.3	25.7	25.6	26.4	24.5	23.7	27.2	26.7	27.8	24.5	25.9	26.4	26.3
17	8	25.8	24.8	23.5	26.9	23.8	24.0	26.0	25.6	25.9	25.5	26.4	25.1	24.0	27.0	25.6	27.9	25.0	26.0	26.7	26.0
18	8	25.9	25.0	23.2	27.2	23.8	23.2	26.2	25.9	25.7	25.8	26.1	25.0	24.2	26.6	24.6	27.1	25.2	26.0	26.8	25.5
19	8	26.1	25.4	23.2	27.4	24.2	22.4	25.8	26.2	25.4	25.9	26.0	24.9	24.5	26.2	24.4	27.1	24.7	26.0	27.0	25.7
20	8	26.2	25.6	23.5	27.8	24.3	21.9	25.8	26.5	25.1	26.0	26.1	25.2	25.0	26.3	23.8	25.4	24.4	26.4	27.0	26.0
21	8	26.4	25.9	23.5	27.5	24.8	21.9	25.8	26.6	25.0	25.6	25.8	25.4	25.4	26.0	24.2	23.8	24.8	27.0	26.8	26.3
22	8	26.4	26.2	23.5	26.9	26.6	22.1	25.4	26.9	25.3	25.6	25.2	25.0	25.9	26.1	24.5	22.7	25.3	26.3	27.0	26.5
23	8	26.5	26.0	23.3	27.2	24.4	22.2	24.8	27.2	25.5	25.8	25.2	25.3	26.5	26.3	24.6	22.4	25.2	24.7	27.1	26.8
24	8	26.6	25.9	23.0	27.3	24.0	22.2	24.3	27.3	25.9	25.5	25.0	25.6	26.0	26.1	24.7	23.0	24.9	23.8	27.1	26.8
25	8	26.0	25.7	22.9	27.3	24.2	22.0	23.8	27.2	25.4	25.4	25.0	26.2	26.1	26.2	24.6	23.5	24.2	23.6	27.0	27.0
26	8	25.3	26.2	22.9	27.2	24.6	21.6	23.8	27.3	25.2	25.3	25.2	26.0	27.3	26.3	24.2	23.7	24.1	23.5	26.8	26.7
27	8	24.3	26.1	22.7	27.1	24.0	21.9	23.4	26.1	25.2	25.2	25.2	25.2	26.8	26.6	24.5	24.0	23.8	24.2	26.9	26.8
28	8	23.8	26.1	22.3	27.2	23.6	22.1	23.2	25.7	25.0	25.1	25.3	24.9	25.1	26.2	24.3	24.6	23.9	24.6	26.8	26.8
29	8	23.8	25.6	22.2	27.1	22.8	22.3	22.4	25.9	24.9	25.4	25.3	24.5	24.4	26.3	23.6	24.8	24.3	24.7	26.3	26.6
30	8	23.4	24.4	22.0	27.1	22.8	22.4	22.3	26.1	24.8	25.6	24.6	24.3	24.2	26.0	23.4	25.9	24.0	24.0	26.1	26.4
31	8	23.2	23.6	21.8	26.9	23.6	22.6	21.3	26.1	24.0	25.7	23.9	24.6	23.9	24.5	23.2	26.5	24.4	23.6	25.8	26.2
1	9	23.2	23.6	21.7	26.9	24.2	22.6	20.6	26.2	23.1	24.4	22.9	24.4	23.8	24.3	23.6	26.9	24.0	23.7	25.8	26.0
2	9	23.2	23.8	21.9	25.3	24.7	22.6	20.2	25.5	23.1	24.3	21.6	24.6	24.4	23.8	23.0	26.7	23.8	23.8	26.0	25.6
3	9	23.1	23.9	21.8	24.2	24.6	21.8	20.3	24.9	23.2	24.0	20.4	24.6	23.1	23.8	22.8	26.8	23.9	24.1	26.0	25.6
4	9	23.4	23.6	21.8	23.0	24.7	21.4	20.8	24.3	23.4	24.1	20.7	24.8	22.3	22.5	22.6	27.0	24.0	24.0	25.8	25.4
5	9	23.6	23.2	21.6	22.2	24.4	21.3	21.8	24.3	23.6	24.3	21.0	24.7	22.4	22.2	22.2	27.0	24.0	22.7	25.9	24.7
6	9	22.1	23.0	21.6	22.2	23.4	21.2	22.0	22.8	24.0	24.6	21.4	24.8	23.3	22.5	21.7	27.0	23.9	22.1	25.6	24.5
7	9	20.4	22.4	21.8	21.6	22.8	21.2	22.2	21.7	24.3	23.3	22.0	24.8	23.5	21.8	21.3	25.4	23.8	21.9	25.2	24.4
8	9	20.2	21.0	22.0	21.3	22.4	21.3	22.3	21.8	24.4	22.4	22.1	24.6	23.2	22.4	21.2	24.2	23.6	22.1	24.9	24.2
9	9	20.1	20.8	22.4	20.9	22.0	21.0	22.2	20.7	24.5	21.7	22.3	24.7	23.6	21.9	20.8	23.0	23.5	22.5	24.8	24.0
10	9	20.5	20.6	22.5	21.8	21.5	21.2	21.1	20.4	24.2	21.4	22.3	23.8	23.3	23.1	21.3	22.8	23.3	22.8	24.4	23.4
11	9	20.6	21.4	22.6	21.8	21.4	21.1	20.7	20.0	24.0	21.7	21.6	23.7	22.8	22.8	21.5	21.0	23.4	23.0	24.2	23.3
12	9	20.8	19.8	22.6	21.7	21.2	21.1	20.6	20.3	24.1	21.8	20.8	23.9	22.1	23.2	21.2	19.9	23.3	23.7	24.0	23.5
13	9	21.4	19.8	21.2	21.2	21.2	21.4	20.6	19.2	23.9	22.3	20.3	24.2	22.1	23.5	21.3	19.8	23.3	23.4	23.5	23.2
14	9	22.2	19.6	20.5	20.1	21.4	21.5	20.5	19.4	22.4	22.5	20.5	24.3	22.3	22.7	21.2	20.7	23.4	23.0	23.6	23.2
15	9	22.4	20.1	20.6	19.0	21.6	21.2	20.6	19.6	20.0	22.8	20.6	24.6	22.7	20.8	20.7	21.2	23.3	23.0	24.0	23.0
16	9	22.2	20.5	20.4	19.0	22.0	20.6	20.4	19.8	19.2	22.9	20.5	24.7	22.4	20.9	20.4	21.7	23.7	23.1	23.9	23.2
17	9	21.4	20.4	19.5	19.2	22.2	20.5	20.3	20.0	19.8	22.9	20.9	24.3	21.7	20.7	19.5	22.3	23.8	23.4	23.5	23.2
18	9	21.5	20.3	19.4	20.0	21.0	20.9	20.0	20.2												

29	10	13.5	12.7	12.2	10.6	14.2	13.3	16.3	12.8	13.7	15.0	11.4	12.1	15.0	14.8	12.6	12.7	11.8	13.0	14.1	15.5
30	10	13.1	13.0	11.8	10.3	14.4	12.0	16.0	12.7	13.9	14.4	10.9	11.9	14.2	14.8	12.7	12.5	11.6	12.7	14.4	15.3
31	10	12.8	13.6	11.7	10.2	14.2	11.4	14.4	12.6	14.2	13.2	11.0	11.6	13.0	15.0	12.7	12.3	11.0	11.6	14.8	14.4
1	11	13.0	14.0	11.8	10.2	14.2	11.0	13.7	12.8	14.5	12.7	10.7	11.4	12.9	15.0	12.2	11.7	10.8	11.0	15.4	13.4
2	11	13.2	13.7	11.6	10.8	14.5	10.8	13.4	12.6	14.7	12.1	10.6	11.6	13.2	15.0	12.2	11.0	10.5	11.0	15.4	12.9
3	11	13.3	12.8	12.0	11.4	14.3	10.6	12.0	12.3	15.1	11.3	10.5	11.6	13.2	14.7	11.4	11.1	11.0	11.4	15.2	12.8
4	11	13.2	12.1	11.8	11.6	13.6	10.4	10.5	11.9	14.9	10.8	10.2	11.3	13.3	14.6	11.2	11.0	11.0	11.7	15.0	13.4
5	11	13.2	12.1	11.7	11.3	13.2	10.9	8.8	11.7	14.9	10.5	10.3	11.1	13.3	15.2	10.9	10.9	11.0	11.8	14.8	13.9
6	11	13.2	11.8	11.0	11.2	12.8	11.0	8.5	10.5	14.8	10.6	10.7	11.0	14.0	15.4	10.7	11.0	10.8	12.0	14.4	14.2
7	11	12.9	11.6	10.2	10.8	12.5	10.6	8.5	9.7	14.8	10.7	11.0	10.7	13.7	14.7	10.7	10.8	11.0	11.8	14.1	14.5
8	11	12.9	11.3	9.6	10.6	12.5	10.3	9.0	9.4	14.1	11.0	11.1	10.5	12.7	14.4	10.8	10.7	11.2	12.0	14.0	14.5
9	11	13.2	11.3	9.5	9.8	12.8	10.5	9.4	9.2	13.5	11.7	11.4	10.0	12.2	14.3	10.8	10.6	11.2	11.8	13.5	14.5
10	11	13.4	11.6	9.4	9.4	12.8	10.4	10.2	9.2	12.8	12.1	11.5	10.0	12.0	14.0	10.7	11.0	10.8	11.7	13.4	14.4
11	11	13.4	11.6	9.3	8.6	12.8	10.4	10.4	8.7	12.4	12.2	11.8	9.4	11.1	13.6	10.7	11.2	10.8	11.4	13.2	14.7
12	11	12.8	11.4	9.2	8.8	12.8	10.0	10.2	8.4	11.7	11.9	11.7	9.0	10.8	14.0	10.7	11.7	10.6	11.3	13.0	14.6
13	11	12.6	11.4	9.2	8.9	13.4	10.3	10.3	8.1	11.4	11.2	11.6	8.6	10.6	13.4	10.8	12.0	10.6	11.5	13.0	14.5
14	11	12.2	10.8	9.1	8.5	13.3	10.0	9.9	7.9	11.5	10.6	11.4	8.5	10.7	13.4	10.9	12.2	9.2	11.4	12.7	14.6
15	11	12.0	10.8	8.9	8.8	12.6	10.1	9.8	8.1	11.3	10.2	11.4	7.3	10.4	12.8	10.7	11.8	8.9	11.1	12.7	14.5
16	11	11.6	10.4	8.8	8.8	12.1	10.1	9.9	8.1	11.2	10.0	11.4	7.7	10.4	12.4	10.5	11.5	8.6	10.5	12.0	14.0
17	11	11.4	9.6	8.9	8.8	11.6	10.2	10.0	8.0	11.1	10.1	11.4	7.9	9.9	12.4	10.6	11.3	8.6	10.2	11.4	13.7
18	11	11.4	9.0	8.8	8.8	10.6	9.8	10.0	7.6	11.0	9.9	11.3	7.6	9.9	12.3	10.6	11.2	8.7	10.0	10.2	13.5
19	11	11.5	8.4	8.7	8.7	10.4	9.6	10.0	7.0	10.5	9.9	11.2	7.5	9.7	11.6	10.6	11.1	8.6	9.8	8.3	13.5
20	11	11.2	8.6	8.5	9.0	10.4	9.4	10.1	6.6	10.2	10.0	11.1	7.3	9.5	11.6	10.8	10.9	8.6	9.7	8.2	13.4
21	11	11.2	8.0	8.5	9.3	9.4	8.2	9.8	6.7	9.9	10.0	10.9	7.0	9.4	11.4	10.4	10.8	8.5	9.1	8.0	13.4
22	11	11.0	7.9	8.5	9.2	8.7	7.4	9.6	6.7	10.2	9.9	10.9	6.8	9.4	11.5	9.8	11.1	8.5	9.0	7.6	12.3
23	11	10.7	7.4	8.9	9.1	8.2	6.8	9.6	6.7	8.6	9.8	10.9	6.5	9.1	11.5	9.6	11.1	8.1	9.0	7.5	11.0
24	11	10.6	7.4	8.6	9.2	8.2	5.8	9.7	6.4	7.8	9.8	10.9	6.4	9.0	11.5	9.2	10.8	8.2	9.1	7.4	10.9
25	11	10.4	7.0	9.1	8.9	7.4	5.9	9.6	6.3	7.6	9.7	10.6	6.3	8.9	11.2	8.8	10.6	8.0	9.1	8.2	10.5
26	11	10.1	6.4	9.1	8.6	6.8	6.1	9.7	6.3	8.1	9.7	10.4	6.5	8.9	10.5	8.4	9.7	7.7	9.0	7.9	10.5
27	11	10.1	6.0	9.5	8.2	6.6	6.2	9.9	5.9	7.5	9.7	10.1	6.0	8.7	9.8	8.0	9.2	7.6	8.8	8.5	10.5
28	11	9.6	6.0	9.2	8.5	6.7	7.0	9.9	5.4	6.8	9.5	9.8	5.8	8.7	7.8	7.8	8.7	7.7	8.2	7.8	10.5
29	11	9.5	5.8	9.3	8.6	6.5	7.3	9.9	5.3	6.9	9.8	9.9	5.9	8.5	7.3	7.6	8.2	7.0	7.8	6.4	10.4
30	11	9.4	6.4	9.5	8.6	6.7	7.6	9.7	5.0	7.1	9.4	9.8	5.8	9.2	7.0	7.2	7.8	6.7	7.5	5.7	10.3
1	12	9.4	6.2	9.4	8.8	6.8	7.8	9.6	4.9	7.3	9.6	9.6	5.8	8.8	7.0	7.0	8.0	6.2	7.6	5.2	9.8
2	12	9.2	5.8	9.0	8.5	6.7	7.6	9.4	4.9	7.4	9.4	8.4	5.8	8.4	7.5	6.6	8.2	5.7	7.5	5.0	9.0
3	12	8.8	5.3	8.4	8.1	6.8	7.6	9.0	5.1	7.6	9.7	8.2	5.7	8.4	7.2	6.6	8.5	5.4	7.4	5.0	8.8
4	12	8.6	4.8	8.0	7.7	6.8	7.5	8.7	5.5	7.7	9.4	8.2	5.7	8.0	6.7	6.2	8.7	5.4	7.3	4.7	8.1
5	12	8.3	4.7	8.0	7.0	6.9	7.4	8.6	5.5	7.9	9.1	7.9	6.3	7.1	6.4	6.3	8.6	5.1	6.8	4.5	7.5
6	12	8.0	4.7	7.6	7.4	6.8	7.2	8.6	5.4	7.6	9.2	7.6	6.5	6.6	6.1	6.0	8.8	5.2	6.4	4.9	7.2
7	12	8.0	3.8	7.3	7.4	6.7	6.8	8.5	5.4	7.6	9.3	7.4	6.9	6.4	6.0	6.4	8.6	5.0	6.1	4.8	7.0
8	12	7.8	3.2	6.6	6.4	6.5	6.7	8.4	5.1	7.3	9.0	7.0	6.3	6.1	5.2	6.1	8.2	5.0	5.9	4.8	7.0
9	12	7.7	2.9	5.3	5.9	5.9	6.6	8.2	5.1	6.7	8.9	6.9	5.8	6.5	5.0	6.1	8.0	4.9	5.8	5.6	7.0
10	12	7.4	3.0	4.5	5.9	5.6	6.4	8.1	5.2	6.0	9.0	6.6	5.7	5.6	5.0	5.8	7.8	5.1	5.9	5.2	7.2
11	12	7.6	2.8	4.1	5.8	5.4	5.9	7.8	5.2	5.6	8.7	6.2	6.2	5.6	4.6	5.8	7.6	5.4	5.4	5.6	7.2
12	12	7.5	2.8	3.8	5.2	5.3	5.6	7.8	5.4	5.5	8.4	5.6	6.0	4.0	4.8	5.8	7.0	5.6	5.2	5.6	7.2
13	12	7.6	2.9	3.8	6.1	5.2	5.5	7.9	5.3	5.9	7.8	5.2	6.3	4.0	4.8	6.1	6.6	5.4	5.2	5.4	7.3
14	12	7.7	2.8	4.0	6.3	5.0	5.4	7.7	5.0	6.0	7.6	5.1	6.4	3.6	4.5	5.9	6.6	4.8	5.3	5.1	7.3
15	12	7.8	2.7	4.0	6.2	4.9	5.4	7.5	4.8	6.0	7.5	4.8	6.3	3.3	4.6	5.8	6.6	4.5	5.5	4.9	7.3
16	12	7.9	2.4	3.6	6.2	4.3	5.3	7.3	4.5	6.0	6.3	4.6	6.2	3.3	4.3	5.9	6.5	4.4	5.7	4.8	7.2
17	12	7.3	2.1	3.3	5.8	4.3	5.6	7.3	4.2	6.0	6.3	3.8	6.1	3.3	4.0	6.0	6.4	3.8	5.8	4.6	7.2
18	12	7.3	2.0	3.2	5.3	4.4	5.2	7.3	3.9	6.2	6.0	3.4	6.0	3.9	3.8	6.1	6.4	3.5	5.5	4.3	7.1
19	12	6.8	1.4	3.1	5.2	4.9	5.1	7.4	3.9	6.2	4.5	3.3	5.5	3.6	3.6	6.2	6.1	3.4	5.1	4.0	6.7
20	12	6.2	1.5	3.0	5.2	4.7	4.6	7.0	3.9	6.2	5.2	3.1	5.3	2.4	3.5	6.2	6.2	3.2	4.8	4.0	7.0
21	12	5.8	1.5	3.0	5.0	4.6	4.2	6.7	3.7	6.1	3.8	3.1	5.1	2.8	3.3	6.2	6.2	3.2	4.4	3.9	6.7
22	12	5.4	1.7	2.8	4.9	4.2	4.0	6.6	3.4	5.9	3.5	3.0	4.8	2.4	3.3	6.0	6.1	3.3	4.2	4.0	6.9
23	12	4.8	1.5	2.9	5.2	4.2	4.0	6.4	3.1	5.7	3.8	3.1	4.4	2.6	3.0	6.2	6.4	3.3	4.1	4.1	7.0
24	12	4.6	2.1	3.0	4.4	4.0	3.8	6.2	3.0	5.6	3.4	2.9	4.2	2.5	3.0	6.2	6.5	3.0	4.1	4.5	7.1
25	12	4.4	1.9	2.5	4.4	4.0	3.8	6.1	2.7	5.1	3.5	3.0	4.0	2.5	3.0	6.1	6.4	2.6	4.4	4.7	7.0
26	12	4.6	1.6	2.0	3.0	4.0	3.9	5.9	2.6	4.9	3.9	2.9	4.0	2.4	3.0	6.2	6.3	2.5	4.8	4.0	6.8
27	12	4.6	0.8	1.5	3.2	4.1	4.0	5.1	2.7	4.9	4.0	2.7	3.8	2.5	3.2	6.0	6.5	2.8	4.7	3.9	6.5
28	12	6.0	0.8	1.6	2.8	4.6	4.3	4.8	2.8	4.3	4.1	2.4	4.2	2.5	3.2	5.4	6.4	2.8	4.7	3.6	6.0
29	12	6.4	0.7	1.8	2.8	4.5	4.7	4.7	2.9	4.0	4.2	2.3	4.3	2.8	3.2	5.1	6.4	2.8	5.0	4.0	5.7
30	12	6.4	0.9	2.1	2.6	4.3	4.8	4.9	2.6	4.1	3.9	2.1	4.3	2.5	3.3	4.2	5.6	3.0	4.8	4.0	5.4
31	12	6.2	1.5	2.5	2.6	4.6	4.6	4.8	2.6	4.1	3.8	1.9	4.4	2.4	3.4	3.4	4.5	2.7	4.7	3.9	4.6