

Executive Agency "Exploration and Maintenance of the Danube river"

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

The water gauge is located at km 554.300 with a zero elevation of 14.89 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	2.5	5.9	1.8	2.4	2.6	4.8	4.4	5.2	2.8	3.7	3.7	1.6	4.2	2.5	3.8	2.2	4.2	2.5	4.5	3.8
2	1	2.4	5.6	1.3	2.0	3.0	4.6	4.4	5.4	1.2	3.8	4.2	1.7	4.0	2.4	4.0	2.5	3.5	2.0	4.5	3.7
3	1	1.9	5.5	0.8	2.0	3.6	4.4	4.2	5.4	0.5	3.6	4.5	1.9	4.0	2.7	3.8	3.0	1.8	1.8	4.5	3.6
4	1	2.0	5.4	0.5	1.9	3.4	4.2	4.4	5.3	0.7	3.1	4.3	1.8	4.2	3.2	4.0	3.4	0.6	2.0	4.8	3.4
5	1	2.0	5.4	0.2	2.1	3.2	4.4	4.4	5.0	0.4	3.0	4.2	1.8	4.2	3.4	4.0	3.4	0.5	2.2	4.9	3.2
6	1	2.1	4.9	0.1	2.7	2.7	4.4	4.1	5.0	0.6	2.5	4.1	1.7	4.8	4.2	4.0	3.2	0.5	1.7	4.6	2.8
7	1	2.4	4.9	0.1	2.4	2.3	4.5	2.8	5.0	0.4	2.4	4.4	1.2	4.8	3.7	4.0	2.6	1.6	1.2	4.6	2.6
8	1	1.7	5.2	0.0	2.9	1.6	4.5	3.6	5.2	0.3	2.0	4.4	1.1	4.4	3.0	3.9	2.2	1.8	0.0	4.5	2.3
9	1	1.9	5.3	0.0	2.1	1.2	4.6	3.3	5.0	0.4	1.7	4.6	1.2	4.4	3.0	4.2	1.6	2.4	0.0	4.6	2.1
10	1	2.0	5.1	0.2	2.5	1.2	4.9	3.4	5.1	0.5	1.4	4.8	1.6	4.1	2.6	4.4	2.0	2.8	0.0	4.5	2.4
11	1	1.5	5.1	0.1	2.6	0.4	5.0	3.6	5.2	0.6	1.4	4.4	1.6	3.7	2.7	4.6	2.6	3.4	0.0	4.6	2.4
12	1	1.4	5.4	0.1	2.2	1.1	5.0	3.4	5.4	0.4	1.1	4.6	1.8	3.8	3.4	4.4	3.2	4.1	0.0	4.8	2.2
13	1	1.7	5.2	0.1	1.8	1.6	4.9	3.2	5.1	0.3	0.7	4.9	1.6	3.8	3.1	4.8	3.4	4.2	0.0	4.6	2.1
14	1	1.7	4.9	0.1	1.4	1.8	5.0	3.0	5.0	0.4	1.0	5.0	1.9	3.9	2.9	4.7	3.3	4.3	0.0	4.1	2.2
15	1	1.7	4.5	0.2	1.6	2.7	4.8	2.8	5.2	0.2	1.1	4.8	2.1	3.4	3.0	4.4	2.8	4.4	0.0	3.8	2.0
16	1	1.6	4.6	0.0	1.8	3.0	4.7	2.6	5.3	0.4	1.6	4.6	3.0	3.3	3.0	4.6	2.6	4.1	0.0	3.2	2.1
17	1	1.7	4.7	0.0	2.1	3.0	4.6	2.8	5.2	0.1	2.0	4.5	3.0	3.0	2.9	4.8	2.5	2.7	0.0	3.2	2.2
18	1	1.6	4.6	0.1	1.8	3.1	4.4	2.3	5.3	0.2	2.0	4.1	3.1	2.6	3.2	4.9	2.5	2.3	0.0	3.0	2.5
19	1	1.8	4.6	0.0	2.0	3.2	4.3	2.5	5.4	0.7	2.0	4.0	3.2	2.5	3.6	5.2	2.6	2.0	0.0	3.8	2.7
20	1	1.6	4.4	0.1	2.0	3.2	4.1	2.4	5.6	1.0	2.5	3.5	3.2	3.1	3.5	5.6	2.9	1.7	0.0	3.9	2.6
21	1	1.6	4.6	0.8	2.1	3.1	3.9	2.2	6.2	1.4	2.3	3.4	3.2	3.6	3.6	6.0	3.0	1.5	0.0	3.8	2.9
22	1	1.4	4.5	1.2	2.2	2.6	4.2	2.3	6.4	2.5	2.6	3.0	3.2	3.4	3.7	6.0	3.2	1.6	0.0	3.5	2.8
23	1	1.4	3.9	2.0	2.5	2.2	4.0	1.4	6.4	2.8	2.8	2.8	3.0	3.4	3.9	6.2	3.4	1.7	0.0	3.2	2.8
24	1	1.1	3.2	2.2	2.6	2.0	3.8	0.1	6.7	3.0	2.8	2.4	2.8	3.8	4.4	5.8	3.8	1.4	0.0	3.6	2.6
25	1	0.7	3.1	2.0	2.7	1.6	3.6	0.1	7.1	3.3	2.8	2.1	3.1	3.7	4.6	4.6	3.8	1.2	0.0	3.8	2.4
26	1	0.6	3.0	2.4	2.6	1.8	3.4	0.2	6.6	3.2	3.0	1.5	3.0	2.6	3.8	3.2	4.1	1.2	0.0	3.5	2.2
27	1	0.2	3.3	2.6	2.6	1.2	3.4	0.2	6.2	3.0	3.0	1.4	2.8	1.4	3.4	3.1	4.7	1.4	0.0	3.8	2.3
28	1	0.1	3.9	2.9	2.6	1.4	3.6	0.3	5.4	3.3	3.2	1.3	2.4	1.4	3.4	3.4	4.8	1.8	0.0	3.7	2.2
29	1	0.5	4.1	3.6	2.7	2.0	3.0	0.1	5.2	3.6	3.4	1.2	2.4	1.3	3.2	3.0	5.0	2.7	0.0	3.8	2.4
30	1	0.6	4.6	3.6	2.9	2.0	1.8	0.4	4.6	4.0	3.4	1.5	2.5	1.0	3.8	2.6	5.2	3.2	0.0	4.1	2.5
31	1	0.8	4.8	3.7	3.0	1.8	1.7	1.2	4.8	3.8	3.6	1.7	2.2	0.9	4.1	2.4	5.2	3.5	0.0	4.6	2.5
1	2	1.1	4.5	3.8	2.9	2.0	2.0	1.5	5.2	3.9	3.7	1.8	2.2	0.5	4.3	1.8	5.0	3.9	0.0	4.2	3.1
2	2	2.6	4.3	3.7	1.9	2.2	2.2	1.8	5.6	4.0	3.6	1.4	2.1	0.2	4.4	0.8	5.4	4.4	0.0	4.4	3.8
3	2	3.0	3.0	3.6	2.1	2.8	2.6	2.0	5.5	4.2	3.7	1.2	1.8	0.0	4.5	2.4	5.4	4.6	0.0	4.5	3.8
4	2	3.1	3.0	3.4	1.8	3.2	2.1	1.8	5.6	4.4	3.9	1.2	1.5	0.0	4.4	2.6	5.2	5.1	0.0	4.9	3.6
5	2	3.0	3.0	3.6	2.2	3.4	1.6	1.9	5.5	4.5	4.1	1.1	1.5	0.0	4.4	2.5	4.8	4.9	1.0	4.6	4.2
6	2	3.1	3.6	3.9	2.5	4.1	1.6	0.8	5.2	4.5	4.5	1.2	1.8	0.0	4.1	2.6	4.8	4.4	1.1	4.8	4.0
7	2	3.2	4.1	4.0	2.3	4.4	1.2	0.7	5.3	4.9	4.6	1.2	2.2	0.0	4.0	2.7	4.0	4.2	1.6	4.9	3.8
8	2	3.3	4.7	4.2	2.4	5.1	0.8	0.4	5.2	4.9	4.8	0.8	2.4	0.0	4.2	2.6	4.0	3.8	1.0	4.8	3.2
9	2	3.5	5.0	4.6	2.4	5.0	0.4	0.7	5.6	5.0	5.0	0.6	2.7	0.0	3.9	2.6	3.8	4.0	0.7	5.0	3.4
10	2	3.8	5.1	4.8	2.1	4.4	0.1	0.8	6.2	4.7	4.8	0.4	2.8	0.0	4.1	2.8	3.8	4.2	0.7	4.9	3.3
11	2	3.9	4.8	5.2	1.9	3.6	0.0	0.8	6.4	4.5	4.7	0.9	2.7	0.0	4.0	2.8	3.6	4.6	0.5	5.2	3.5
12	2	4.1	5.6	5.4	1.6	3.2	0.0	1.5	6.4	4.4	5.0	1.2	2.8	0.0	3.9	3.0	3.6	5.2	0.0	5.0	4.2
13	2	4.1	5.8	6.0	1.1	2.4	0.0	1.0	6.5	4.0	4.8	1.6	3.0	0.0	4.0	3.2	3.7	5.4	0.0	4.9	4.4
14	2	4.0	5.8	6.4	0.6	2.1	0.7	0.8	6.6	4.1	4.6	1.7	2.9	0.0	4.0	3.4	3.6	5.6	0.4	5.1	4.5
15	2	4.1	5.6	6.4	0.8	2.0	1.6	0.9	6.7	4.3	4.6	1.4	2.6	0.0	4.1	3.4	3.6	6.0	1.1	5.0	4.4
16	2	4.2	5.7	5.8	0.9	2.9	2.0	1.5	6.6	3.9	4.7	1.6	2.3	0.0	4.1	3.5	3.7	6.1	1.6	5.0	4.5
17	2	4.4	6.0	5.6	1.0	3.3	2.1	1.0	6.4	4.0	4.6	1.8	2.4	0.0	4.2	3.9	3.4	6.2	2.0	5.0	4.8
18	2	4.6	6.1	5.9	1.2	3.6	2.4	1.2	5.6	3.9	4.6	2.0	2.6	0.0	4.2	4.6	2.9	6.4	2.3	5.1	5.0
19	2	4.6	6.2	6.2	1.4	3.6	2.4	1.2	5.5	3.8	4.6	2.3	2.6	0.0	4.3	5.0	2.9	6.3	2.6	5.4	4.9
20	2	4.6	5.9	6.0	1.6	4.0	2.0	1.3	5.4	4.0	4.7	2.8	2.5	0.0	4.4	5.4	3.2	6.4	2.8	5.0	5.4
21	2	4.5	5.7	5.3	1.9	3.3	2.1	1.3	6.2	4.4	3.2	3.2	2.7	0.0	4.5	5.8	3.5	6.4	2.7	4.7	5.5
22	2	4.6	5.6	6.6	1.8	3.2	2.2	3.8	6.6	4.9	3.2	3.6	2.8	0.0	4.6	6.1	3.7	6.6	3.2	4.2	5.5
23	2	4.5	5.7	6.6	1.8	3.3	2.4	3.8	7.1	5.7	3.4	3.7	2.5	0.4	5.0	6.5	4.4	7.2	3.7	4.1	4.7
24	2	4.7	6.2	6.6	1.9	3.7	2.4	4.0	6.2	5.9	3.6	3.9	2.2	0.7	4.9	6.6	4.4	7.8	4.4	4.1	4.5
25	2	4.4	6.1	6.2	2.1	3.9	2.3	3.2	5.3	6.3	3.6	3.8	2.0	1.1	5.0	6.3	4.6	7.6	5.0	3.8	4.4
26	2	4.7	5.2	6.4	2.2	3.8	2.7	2.9	5.2	6.8	3.6	4.0	1.9	2.2	5.4	6.2	5.0	7.5	4.8	3.0	4.4
27	2	4.8	4.7	6.6	2.2	4.0	2.1	3.1	5.4	7.2	3.6	4.3	2.2	2.4	5.1	6.3	5.4	7.6	5.0	1.4	4.6
28	2	5.0	4.2	7.2	2.0	4.4	1.9	4.0	5.5	7.4	3.8	5.0	2.4	2.6	4.9	6.4	5.6	7.6	5.1	0.8	5.0
29	2	5.0				4.9				7.3					2.6			7.6			
1	3	5.2	4.8	7.6	2.2	5.1	2.0	3.9	6.2	7.3	4.1	5.2	2.2	2.2	4.8	6.8	5.9	7.6	5.2	1.1	5.6
2	3	5.4	5.2	7.9	2.4	4.8	2.0	4.2	6.8	7.9	4.8	5.5	2.8	2.1	5.0	6.9	6.0	7.8	5.4	2.0	6.0
3	3	5.7	6.0	8.0	2.6	4.0	1.7	4.3	7.3	7.8	4.9	6.2	2.6	3.0	5.1	7.0	6.3	7.7	5.4	2.2	6.2
4	3	5.4	6.4	8.1	2.8	4.2	1.8	4.4	7.5	8.2	5.1	6.4	2.6	2.9	5.2	7.0	6.7	8.0	5.6	2.8	6.2
5	3	5.5	6.7	7.9	3.0	4.4	2.6	4.8	7.4	8.4	5.6	6.3	3.0	3.2	5.4	7.0	7.0	7.8	6.1	2.8	7.0
6	3	5.2	7.5	8.0	3.2	4.2	2.9	5.4	7.2	8.0	5.5	6.2	3.2	3.2	5.5	7.1	6.7	8.0	6.5	3.0	7.0
7	3	5.2	6.8	8.3	3.0	4.0	2.7	5.1	7.4	7.8	5.6	5.4	3.2	3.0	6.0	7.4					

6	4	10.9	10.5	9.2	9.8	10.6	9.8	11.6	10.6	10.2	10.1	11.8	11.4	12.2	7.6	13.0	9.8	12.0	13.0	9.6	11.0
7	4	10.6	10.8	9.2	8.8	10.9	10.1	11.7	11.0	10.4	10.6	11.7	11.6	12.6	7.8	12.8	9.4	12.6	12.2	9.5	11.6
8	4	10.6	10.2	8.6	8.2	11.4	10.4	11.2	11.2	10.6	10.9	11.6	12.0	13.0	7.5	13.2	9.4	13.0	11.6	10.2	11.9
9	4	10.4	11.4	8.7	8.2	11.2	10.8	11.0	11.6	11.0	11.4	11.8	12.0	12.4	7.7	13.7	9.5	13.2	12.0	10.8	12.4
10	4	10.8	11.6	9.3	8.8	10.9	11.2	11.0	12.0	11.8	12.0	12.3	12.0	11.7	7.8	14.1	9.5	13.7	12.2	11.5	12.3
11	4	11.0	11.6	9.4	9.7	10.9	11.4	11.2	12.5	11.9	12.1	12.8	12.2	11.4	8.2	13.8	9.9	13.3	13.0	12.0	12.5
12	4	11.2	11.4	9.6	10.4	11.2	11.6	11.4	13.0	12.0	12.4	12.8	12.3	12.0	8.6	13.6	10.6	13.3	13.9	12.5	12.5
13	4	11.3	11.8	9.6	11.0	11.4	11.4	11.1	13.5	12.3	12.4	12.9	12.6	12.6	8.9	13.7	10.9	13.5	14.2	12.9	12.2
14	4	11.6	11.8	9.8	10.9	12.0	12.1	10.9	13.5	12.8	12.1	13.0	12.4	13.2	9.3	13.8	11.2	14.5	14.5	13.4	12.0
15	4	12.0	11.6	10.0	10.6	11.9	12.2	11.0	14.2	12.2	12.0	12.8	11.8	13.6	10.0	14.4	11.2	14.5	14.6	13.8	11.8
16	4	12.1	11.2	10.6	10.5	11.8	12.5	11.2	14.3	12.1	12.2	13.1	12.0	13.6	10.0	13.8	11.4	14.7	15.0	13.9	12.0
17	4	12.4	11.5	10.8	10.9	12.4	12.7	11.5	13.9	12.3	12.9	13.0	12.2	13.8	10.2	13.8	11.7	15.3	15.0	14.2	12.4
18	4	12.8	11.6	11.5	11.4	12.3	13.0	11.7	14.2	12.3	13.2	13.0	12.5	13.6	10.6	12.8	12.2	15.8	13.9	14.2	13.2
19	4	13.4	11.8	11.6	11.0	12.1	12.8	12.1	14.5	12.9	13.8	13.2	12.9	13.2	10.8	12.4	12.4	16.4	13.6	14.4	13.4
20	4	13.5	12.2	11.6	10.4	12.2	13.0	12.1	14.5	13.1	14.0	13.4	13.3	13.2	11.2	12.7	12.4	16.3	13.1	14.8	13.5
21	4	13.6	12.6	11.8	10.9	11.8	12.8	12.1	15.0	13.6	14.2	13.2	13.5	13.2	12.0	12.8	12.3	15.6	13.2	15.2	13.5
22	4	14.0	12.8	12.3	11.2	11.9	12.6	12.4	15.3	14.1	14.8	13.3	14.0	13.4	12.4	13.2	12.4	15.2	11.9	15.4	14.0
23	4	14.4	12.9	12.8	11.8	12.2	12.2	13.0	15.5	14.4	13.9	13.4	14.1	13.4	13.1	14.3	12.4	15.8	12.1	15.8	13.9
24	4	14.6	12.2	13.2	12.3	12.2	12.1	13.3	16.2	14.7	14.1	13.7	14.3	13.9	13.8	14.7	12.8	15.8	11.9	16.2	13.8
25	4	14.6	11.8	13.4	12.5	13.1	12.3	13.7	16.5	14.3	14.6	14.1	14.3	14.1	14.2	14.4	13.4	15.9	12.3	16.6	14.3
26	4	15.1	12.1	14.1	12.7	13.4	12.7	14.0	16.2	14.4	14.6	14.0	14.5	14.0	14.9	14.3	13.0	15.5	13.3	17.0	14.8
27	4	15.2	12.4	14.3	13.4	13.2	12.8	14.2	16.2	14.6	14.6	13.9	14.3	14.2	15.6	14.0	14.6	14.9	14.1	17.2	15.4
28	4	15.4	13.1	14.7	14.0	13.8	13.4	14.3	16.8	14.6	15.0	14.1	14.2	14.5	15.9	14.4	14.8	14.6	15.1	17.6	15.9
29	4	15.4	13.0	15.0	14.5	14.2	13.6	14.3	17.4	14.7	15.0	14.4	14.3	15.0	16.4	14.6	14.9	15.4	15.4	18.0	16.0
30	4	16.8	13.3	15.5	14.9	14.7	13.5	14.4	17.5	15.1	15.1	14.8	14.7	15.3	17.0	14.7	14.3	15.6	15.3	18.0	16.2
1	5	17.4	13.4	15.7	15.7	15.1	13.6	14.3	17.6	15.7	15.8	15.1	15.4	15.7	17.4	14.6	14.4	15.8	14.4	18.2	16.1
2	5	17.6	14.0	16.2	16.1	15.6	14.2	14.5	17.5	15.8	16.1	15.8	15.9	16.2	17.8	15.0	15.2	15.9	14.1	18.6	16.0
3	5	17.0	14.5	16.5	16.9	15.9	14.6	14.6	17.3	16.1	15.8	16.0	15.8	16.6	18.4	15.2	15.3	15.6	14.4	19.0	15.8
4	5	16.8	15.0	16.9	17.3	16.2	15.2	14.6	18.3	16.1	16.0	16.2	15.6	17.0	18.5	15.4	16.0	14.8	14.7	19.3	16.0
5	5	17.0	15.6	16.9	17.7	16.4	15.4	14.8	18.1	16.1	16.1	16.8	15.0	17.2	18.8	15.4	16.4	14.4	15.4	19.6	16.4
6	5	17.2	16.4	16.6	18.0	16.7	15.4	15.0	19.0	15.6	16.4	17.0	14.3	17.6	19.1	15.0	17.2	14.2	15.4	20.2	16.7
7	5	17.4	16.2	17.0	18.0	16.0	15.7	15.1	18.6	16.3	16.5	17.3	14.4	17.9	19.3	14.8	17.8	14.1	15.4	20.4	15.9
8	5	17.9	16.4	17.3	18.3	16.7	15.3	15.7	18.8	16.6	16.5	17.2	14.9	18.4	19.2	15.0	17.8	15.2	15.2	20.5	15.3
9	5	18.0	16.7	17.4	19.2	17.1	15.4	15.8	19.2	17.1	16.6	17.4	14.9	18.8	19.4	15.6	18.1	15.2	15.4	20.7	15.2
10	5	18.1	16.8	17.3	19.5	17.4	15.6	16.1	19.5	16.8	17.2	17.6	15.2	19.0	19.4	15.9	18.2	15.4	15.5	20.6	15.2
11	5	18.3	16.8	17.7	20.1	17.0	15.9	16.0	19.6	17.1	17.7	18.2	15.8	19.0	19.6	16.1	18.3	15.7	15.5	20.3	15.5
12	5	19.2	17.0	18.0	20.4	17.0	16.2	15.8	20.2	16.9	18.0	18.7	16.1	19.6	19.9	16.4	18.3	16.1	15.9	20.1	16.0
13	5	19.1	17.2	18.1	20.9	17.2	16.2	15.9	20.5	17.2	18.6	18.9	16.6	20.1	20.0	16.3	18.4	16.2	15.9	20.3	16.4
14	5	19.3	17.4	18.4	21.2	17.5	16.4	16.2	21.0	17.5	18.1	19.1	17.6	19.6	19.6	16.1	18.4	16.2	16.3	20.8	16.4
15	5	19.4	17.6	18.8	21.8	17.1	16.4	16.4	20.8	17.9	18.7	19.3	18.0	18.8	18.9	15.8	19.0	16.2	16.5	20.9	16.3
16	5	20.1	17.8	19.3	21.2	16.5	16.4	16.7	21.1	18.2	19.6	19.0	18.6	18.1	18.7	15.6	19.2	16.6	17.1	20.9	15.8
17	5	20.3	18.4	19.7	20.5	16.7	16.6	17.0	21.4	18.5	19.9	18.2	18.9	18.0	19.0	15.5	19.1	16.2	17.5	21.0	15.6
18	5	20.6	19.2	20.2	20.4	16.6	16.8	17.3	22.0	19.5	20.1	17.0	18.2	17.6	19.2	15.7	19.4	16.1	17.2	21.0	15.8
19	5	21.2	19.8	20.6	20.9	16.4	17.0	17.6	21.6	19.7	20.8	16.6	18.4	17.2	19.6	16.2	19.9	16.2	17.2	21.2	16.2
20	5	21.5	19.2	20.9	21.2	16.8	17.1	18.1	20.6	20.1	20.9	16.2	18.5	17.2	19.8	16.5	20.2	17.0	17.2	21.0	16.5
21	5	21.7	19.3	20.2	21.5	17.4	16.8	18.8	21.0	20.4	21.2	16.7	19.1	18.1	20.0	16.6	20.2	17.3	18.1	21.3	16.5
22	5	21.5	19.4	19.7	21.8	18.1	16.6	19.1	20.6	20.6	21.7	17.4	20.0	19.2	20.0	16.4	20.4	17.4	18.7	21.0	16.2
23	5	21.2	18.9	19.9	21.4	18.4	17.0	19.9	20.8	20.3	22.0	17.5	20.7	18.6	19.8	16.4	20.6	17.6	19.2	21.2	16.5
24	5	20.9	18.8	20.1	21.1	18.2	18.0	20.4	20.6	20.4	22.1	17.3	21.2	18.6	19.6	16.3	20.8	18.2	19.5	21.3	16.6
25	5	20.7	19.2	21.1	20.4	17.2	18.5	20.8	21.2	20.7	22.2	17.2	21.5	18.0	19.6	16.6	21.1	17.8	19.7	21.2	16.6
26	5	21.1	19.6	21.5	20.2	17.9	18.6	20.4	22.2	20.8	22.3	16.8	21.6	17.4	19.2	17.1	20.8	17.9	19.4	21.8	16.7
27	5	22.0	19.9	21.6	20.3	17.3	18.4	20.6	22.5	21.5	22.2	17.1	21.7	17.4	19.2	17.8	20.6	18.2	19.4	22.0	16.7
28	5	22.2	20.3	21.9	21.3	17.6	18.0	20.5	22.2	22.1	22.3	17.3	21.3	17.2	18.8	18.2	20.1	18.5	19.2	22.3	17.0
29	5	22.3	20.5	22.0	22.0	18.1	18.2	20.8	22.6	21.6	22.4	17.4	21.8	16.6	19.2	18.6	19.6	19.2	19.1	22.4	17.4
30	5	22.5	21.1	21.8	21.7	18.9	19.1	21.5	22.2	21.5	21.6	17.8	22.0	17.0	19.1	18.6	19.4	19.6	19.5	22.5	17.6
31	5	22.0	21.0	21.3	21.8	18.8	19.4	21.8	22.3	21.9	20.0	18.1	21.8	17.5	19.2	18.4	19.6	20.0	20.2	22.7	17.8
1	6	21.8	21.5	20.9	21.6	18.9	19.6	21.0	21.6	22.1	20.2	17.8	21.9	18.0	18.8	18.0	19.8	20.4	21.3	23.0	18.0
2	6	21.7	20.7	20.8	21.7	19.2	19.4	20.3	21.2	22.3	20.8	17.6	22.6	18.6	19.1	18.0	20.0	20.8	22.0	23.2	18.4
3	6	21.3	20.6	20.6	22.2	19.5	19.4	20.3	21.8	21.8	20.6	18.1	22.9	19.2	18.9	18.3	20.0	20.8	22.6	23.6	18.5
4	6	21.8	20.6	20.5	22.8	18.9	20.1	20.4	22.6	22.1	21.0	18.2	23.0	19.8	18.8	18.8	19.6	21.0	22.3	24.0	18.7
5	6	22.4	18.5	21.0	23.5	18.6	20.6	19.7	23.2	22.9	21.0	18.7	23.5	20.4	18.9	19.2	19.7	21.2	22.2	24.3	18.6
6	6	23.1	18.2	21.6	23.9	18.6	20.8	19.1	23.1	22.7	21.4	19.2	23.3	20.0	19.0	19.6	19.6	21.5	22.6	24.6	18.5
7	6	23.4	18.7	21.5	24.5	18.7	21.2	19.3	22.7	22.0	22.0	19.4	23.3								

18	7	22.9	25.4	27.2	24.8	23.2	24.0	24.7	26.9	24.9	24.2	26.0	26.3	26.2	24.0	25.0	25.8	24.6	25.0	24.3	25.1
19	7	23.0	25.4	27.4	25.1	24.4	24.4	24.7	27.4	25.4	24.6	26.2	26.4	26.2	24.0	25.1	26.6	24.3	25.2	23.5	25.6
20	7	23.2	25.6	27.6	25.0	25.2	24.6	25.0	27.5	25.6	24.2	26.4	26.9	26.2	24.3	25.2	27.0	24.2	25.7	23.6	26.1
21	7	23.8	26.0	26.9	25.0	25.6	24.6	25.4	27.1	25.8	24.4	26.7	26.7	26.8	24.8	25.9	27.2	24.4	26.4	24.0	26.3
22	7	24.0	24.6	26.8	26.2	25.8	24.2	25.6	27.3	26.9	24.5	27.4	26.4	27.1	24.4	26.1	27.5	24.7	27.0	24.4	26.8
23	7	24.2	24.8	26.5	26.6	26.2	24.2	25.8	27.8	26.1	25.0	27.4	25.5	26.8	24.6	25.5	27.6	25.0	27.7	25.1	27.1
24	7	24.3	24.6	25.4	27.2	26.4	24.0	26.6	27.6	25.0	25.4	27.5	25.5	26.8	24.6	24.4	27.2	25.6	28.0	25.0	26.6
25	7	24.7	24.9	25.6	26.2	26.2	23.7	26.9	27.5	23.8	25.8	27.8	26.2	26.7	25.4	25.2	27.1	25.6	27.8	25.2	26.7
26	7	25.1	25.2	25.1	25.8	26.1	23.9	27.1	26.2	23.4	26.0	27.4	25.0	26.6	25.7	25.8	27.4	25.6	27.0	24.9	26.7
27	7	25.4	25.4	25.3	26.3	26.0	23.9	27.2	25.7	23.9	26.2	26.6	25.6	27.0	26.0	26.1	27.5	25.8	26.9	24.6	26.8
28	7	25.2	25.4	24.8	26.5	25.2	24.2	27.7	26.0	24.3	25.2	25.4	25.8	27.3	26.0	26.0	27.5	25.7	25.7	24.7	27.1
29	7	25.4	25.7	24.6	26.9	24.8	24.4	27.4	26.2	25.0	25.4	24.6	26.4	27.7	26.3	25.9	27.5	25.6	24.5	25.0	26.9
30	7	25.4	25.8	24.6	26.5	24.2	24.6	27.7	26.7	25.4	25.6	25.1	26.3	27.6	26.8	26.0	28.0	25.7	24.6	25.4	26.4
31	7	24.0	25.8	25.2	25.6	23.6	25.0	27.8	26.7	25.5	25.9	25.6	25.4	27.2	26.6	25.8	28.1	25.6	25.1	25.5	26.6
1	8	23.8	25.8	25.6	26.0	23.6	25.2	27.8	25.0	25.4	26.4	26.2	25.4	26.9	26.5	25.4	27.8	25.8	25.7	25.5	26.8
2	8	23.6	26.0	25.8	26.2	24.0	25.5	27.8	24.0	25.2	26.4	26.7	25.4	26.6	26.2	25.4	27.3	26.1	26.2	25.4	26.8
3	8	23.8	26.1	26.2	26.4	24.2	26.0	28.4	24.3	25.5	26.5	26.6	25.4	27.0	26.4	24.7	26.3	25.6	27.1	25.2	27.3
4	8	24.2	25.8	26.3	26.6	24.3	26.4	28.4	24.6	25.0	26.7	27.1	25.5	26.9	26.6	24.3	26.5	25.5	27.5	25.4	26.5
5	8	24.6	25.6	26.7	27.0	24.9	25.9	28.3	24.5	25.4	27.0	27.2	25.4	26.6	26.4	25.0	26.7	25.3	27.9	26.0	25.8
6	8	24.6	25.4	26.7	27.1	24.6	25.0	27.4	23.6	25.6	26.0	26.7	25.0	27.1	26.6	25.5	27.2	25.4	28.3	26.2	25.6
7	8	24.7	25.6	26.8	27.5	24.6	23.4	27.4	23.0	25.4	25.6	26.7	24.7	27.2	27.0	25.6	27.4	25.6	28.2	26.6	25.8
8	8	24.9	25.5	26.0	26.7	24.2	22.1	26.8	23.2	25.4	25.3	27.0	25.0	26.8	27.2	25.7	27.2	26.0	28.2	26.8	26.5
9	8	24.9	26.0	25.1	26.6	24.4	21.0	25.8	23.0	25.4	25.0	25.8	24.8	26.7	27.3	25.3	26.5	25.9	27.4	26.8	27.0
10	8	24.7	26.2	24.8	26.2	24.4	21.4	25.5	23.8	25.2	24.5	25.9	25.0	26.5	27.4	25.1	26.8	25.8	27.2	27.0	27.2
11	8	24.7	26.5	24.7	26.2	24.0	22.2	25.3	24.9	24.6	24.5	26.1	23.6	26.0	27.2	25.3	27.0	26.0	27.8	26.3	27.6
12	8	24.7	25.6	24.3	25.3	24.2	23.1	24.8	25.2	24.4	24.9	25.6	23.1	25.5	26.8	25.5	27.1	25.3	27.8	26.4	28.0
13	8	24.9	24.8	24.5	25.2	24.6	24.3	25.4	25.0	25.0	25.2	25.8	23.0	24.4	27.0	25.8	27.1	24.2	27.4	26.2	27.8
14	8	25.2	24.9	23.8	25.4	25.2	24.4	25.8	25.2	25.3	25.6	26.2	23.3	23.6	27.4	26.2	27.4	24.1	25.9	26.4	27.2
15	8	25.5	24.8	23.4	26.1	25.0	24.4	26.1	25.2	25.9	25.8	26.2	24.0	23.6	27.4	26.4	27.3	24.3	25.2	26.3	26.9
16	8	25.8	24.8	23.4	26.7	24.6	24.0	26.3	25.2	26.2	26.0	26.2	24.6	23.4	26.8	26.2	27.5	24.6	25.6	26.3	26.1
17	8	25.8	25.0	23.6	26.8	23.9	23.8	26.4	25.5	26.1	26.0	26.4	25.3	23.4	26.2	25.4	27.8	25.0	25.6	26.4	25.6
18	8	26.0	25.5	23.7	26.2	23.0	22.6	26.2	26.2	25.6	26.1	26.1	25.0	24.4	25.8	24.2	27.1	25.1	26.2	26.8	25.4
19	8	26.3	25.7	23.8	27.8	23.8	21.7	25.9	26.3	25.2	26.2	26.0	24.9	24.7	26.0	23.8	26.8	24.8	26.2	26.8	25.4
20	8	26.4	25.8	23.9	28.0	24.8	21.7	26.0	26.8	25.2	26.2	26.1	25.2	25.0	26.2	23.8	25.3	24.5	26.6	26.8	25.5
21	8	26.6	26.2	24.0	27.2	24.4	22.0	26.1	26.7	25.0	26.0	25.7	25.2	25.5	25.6	24.2	23.7	24.8	26.7	26.9	25.8
22	8	26.7	26.1	23.5	27.0	26.0	22.2	25.5	26.8	25.5	25.9	25.1	25.0	25.9	26.2	24.4	23.0	25.0	25.4	27.0	26.3
23	8	26.7	26.2	24.3	27.1	24.2	22.2	24.6	27.1	26.0	26.0	25.2	25.4	26.2	26.1	24.5	22.6	25.1	24.2	27.1	26.4
24	8	26.8	26.0	23.0	27.4	24.0	22.2	24.1	27.2	26.0	25.8	25.0	25.8	26.7	25.8	24.5	22.7	24.5	23.6	26.8	26.8
25	8	26.0	25.9	23.0	27.5	24.4	21.7	23.9	27.2	25.5	25.6	25.0	26.2	27.2	26.2	24.2	22.6	24.1	23.0	26.5	26.9
26	8	25.7	26.1	23.1	27.0	24.2	21.5	23.6	27.4	25.2	25.4	25.2	26.1	27.2	26.3	24.1	23.6	23.8	22.6	26.7	26.6
27	8	24.6	26.0	22.6	27.3	24.0	21.9	23.2	26.3	25.2	25.4	25.4	25.1	26.6	26.0	24.1	24.2	23.5	24.2	26.8	26.5
28	8	23.9	26.2	22.4	27.2	23.4	22.0	23.3	25.9	25.4	25.4	25.4	24.7	24.8	26.0	24.0	24.8	23.9	24.8	26.4	26.3
29	8	23.5	25.5	22.2	27.0	22.8	22.3	22.8	26.2	25.4	25.8	25.4	24.5	23.6	25.7	23.5	25.3	24.3	24.5	25.8	26.4
30	8	23.0	25.3	21.9	27.0	23.0	22.6	22.5	26.2	25.0	26.1	24.5	24.2	23.7	24.8	23.4	25.9	24.0	23.4	25.5	26.2
31	8	23.3	23.5	21.9	27.0	23.6	22.7	21.7	26.4	23.6	25.4	23.7	24.4	23.6	24.5	23.0	26.5	24.2	23.5	25.4	26.0
1	9	23.8	23.7	21.9	26.4	24.4	22.8	20.5	26.2	23.4	24.6	22.5	24.6	23.0	24.0	22.9	26.8	24.0	23.6	25.6	25.9
2	9	23.3	23.8	21.8	25.0	25.0	22.0	20.2	26.4	23.1	24.4	21.7	24.6	23.1	24.0	22.7	26.5	23.6	23.6	25.8	25.6
3	9	23.0	23.7	22.1	24.1	24.7	21.6	20.6	25.1	23.2	23.7	20.4	24.6	23.0	23.2	22.8	26.5	23.8	24.1	25.8	25.6
4	9	23.3	23.2	22.0	22.4	24.7	21.6	21.5	24.2	23.5	24.0	20.7	24.8	23.0	22.1	22.4	26.8	23.8	23.7	25.6	25.2
5	9	23.1	23.0	21.7	22.2	24.6	21.4	22.4	24.0	23.8	24.8	21.3	24.8	23.2	21.8	22.1	26.9	24.0	22.4	25.8	24.6
6	9	22.0	23.1	22.0	21.6	23.7	21.1	22.6	23.0	24.3	24.6	21.7	24.8	23.3	22.4	22.5	26.9	23.9	22.0	25.3	24.4
7	9	20.5	22.5	22.2	21.1	22.6	21.0	22.7	21.6	24.3	23.2	21.8	25.0	23.6	22.4	21.1	25.2	23.5	21.6	24.6	24.2
8	9	20.1	21.2	22.6	20.9	22.5	21.2	22.4	21.6	24.7	22.6	22.1	25.0	23.8	22.4	20.6	23.5	23.4	21.7	24.8	24.0
9	9	20.0	20.7	22.7	21.5	22.4	21.0	21.9	20.8	24.9	21.6	22.2	24.6	23.5	22.7	20.9	22.4	23.2	22.4	24.6	23.6
10	9	20.6	20.8	22.8	21.8	22.0	21.2	21.3	20.4	24.5	21.4	22.0	23.6	22.6	23.1	21.2	22.2	22.9	22.8	24.4	23.2
11	9	20.9	21.0	22.9	21.3	21.5	21.2	20.9	20.0	24.0	21.9	21.5	23.4	22.6	23.0	21.4	21.0	23.0	23.3	24.0	23.0
12	9	21.3	20.4	22.8	21.1	21.2	21.1	20.8	20.3	24.1	22.4	20.7	23.6	22.1	23.1	21.2	20.0	23.3	23.4	23.6	23.1
13	9	22.1	19.9	21.5	21.2	21.2	21.3	20.9	19.6	23.7	22.6	20.2	24.1	21.8	23.4	21.3	20.1	23.2	23.2	23.6	23.2
14	9	22.6	19.8	21.3	20.2	21.4	21.6	20.7	19.1	21.8	23.1	20.6	24.0	21.9	22.0	20.8	20.7	23.4	23.0	23.5	23.4
15	9	22.8	20.4	20.9	20.2	21.6	21.3	20.7	19.9	19.9	23.0	20.6	24.4	22.6	21.4	20.6	21.2	23.7	22.8	23.7	23.3
16	9	22.7	20.6	21.0	19.7	22.0	20.6	20.8	20.4	19.8	23.0	20.7	24.8	22.0	20.6	20.1	21.6	23.8	23.0	23.5	23.0
17	9	21.5	20.4	20.0	20.2	22.3	20.6	20.3	19.8	19.5	23.1	21.2	24.2	21.7	20.4	19.0	22.1	23.8	23.0	23.2	23.1
18	9	21.6	20.2	19.7	20.2	21.0	21.0	20.3	20.2												

29	10	13.8	12.9	12.2	10.5	14.2	13.2	16.8	13.0	13.7	14.8	11.3	12.0	15.2	14.6	13.0	12.5	11.6	13.3	14.0	15.1
30	10	13.5	13.6	11.9	10.5	14.4	12.3	16.6	13.0	13.9	14.4	10.4	11.8	14.7	15.0	12.8	12.4	11.3	12.6	14.6	15.1
31	10	13.2	13.9	12.1	10.4	14.4	11.8	14.8	12.7	14.1	13.0	10.6	11.6	13.2	15.0	12.8	11.9	11.0	11.8	14.7	14.4
1	11	13.2	14.4	12.1	10.4	14.4	11.7	14.2	12.6	14.6	12.4	10.4	11.2	13.0	15.2	12.8	11.6	10.6	11.0	15.3	13.1
2	11	13.4	14.3	11.9	11.2	14.5	11.2	13.6	12.8	14.8	11.7	10.2	11.6	12.8	15.0	12.2	11.0	10.5	11.1	15.5	12.8
3	11	13.2	13.4	12.2	11.7	14.3	11.1	12.0	12.6	15.1	10.4	10.2	11.5	13.1	14.8	11.9	11.1	11.1	11.7	15.2	13.0
4	11	13.4	12.8	12.0	11.6	13.8	11.3	10.6	12.3	14.9	10.3	10.2	11.2	13.4	15.0	11.2	11.0	11.1	11.9	15.0	13.4
5	11	13.4	12.1	11.7	11.8	13.1	11.4	9.1	11.6	14.7	10.2	10.4	10.8	13.6	15.0	10.8	11.0	11.0	12.2	14.7	13.9
6	11	13.3	11.6	11.3	11.4	13.0	11.4	8.8	10.6	15.1	10.4	10.8	10.9	14.1	15.2	10.9	11.0	10.8	12.1	14.2	14.2
7	11	13.2	11.6	10.4	11.2	12.6	11.2	9.2	10.0	14.8	10.6	11.0	10.5	13.6	14.8	10.8	10.8	11.0	12.1	14.1	14.3
8	11	13.3	11.6	10.0	10.8	13.0	11.1	9.8	9.6	14.1	11.3	11.2	10.3	12.6	14.2	10.6	10.6	11.2	12.0	14.0	14.5
9	11	13.5	11.6	9.8	10.0	13.0	11.0	10.4	9.2	13.3	12.0	11.4	10.0	12.1	14.2	10.8	10.6	11.2	11.7	13.5	14.4
10	11	13.4	11.8	9.6	9.6	13.1	10.9	10.8	9.2	12.9	12.2	11.4	10.0	12.0	14.0	10.6	11.0	10.8	11.6	13.5	14.4
11	11	13.6	11.8	9.4	9.2	13.2	10.5	10.8	9.0	12.3	12.1	11.6	9.4	11.3	13.8	10.6	11.3	10.6	11.5	13.2	14.5
12	11	13.4	11.6	9.4	9.2	13.3	10.4	10.6	8.8	11.9	11.7	11.6	8.8	11.1	13.6	10.7	11.8	10.4	11.2	13.0	14.5
13	11	12.5	11.7	9.1	9.1	13.5	10.4	11.1	8.0	11.7	10.6	11.4	8.8	10.8	13.4	10.6	12.0	10.3	11.6	12.9	14.3
14	11	12.4	12.0	9.0	9.0	13.4	10.3	10.2	8.2	11.6	10.1	11.4	8.6	10.7	13.6	10.6	11.9	9.0	11.6	12.7	14.3
15	11	11.9	11.5	9.0	9.0	12.7	10.6	10.2	8.6	11.5	9.6	11.5	8.0	10.6	13.1	10.5	11.6	8.6	11.2	12.6	14.1
16	11	12.0	10.7	8.9	8.8	12.2	10.3	10.4	8.3	11.5	9.6	11.3	7.8	10.2	12.6	10.4	11.4	8.5	10.6	12.2	13.8
17	11	11.7	9.7	8.9	9.1	11.4	10.5	10.5	8.1	11.3	10.2	11.2	8.1	10.1	12.6	10.4	11.0	8.6	10.2	11.9	13.5
18	11	11.6	9.2	8.7	9.2	10.6	10.2	10.6	7.8	10.9	10.0	11.0	7.8	9.8	12.3	10.4	10.8	8.5	10.0	10.2	13.3
19	11	11.6	8.7	8.6	9.0	10.6	10.0	10.6	7.0	10.5	10.0	11.1	7.6	9.6	11.8	10.6	11.2	8.6	9.8	8.4	13.4
20	11	11.5	8.0	8.6	9.4	10.4	9.5	10.5	6.8	10.3	10.2	11.1	7.4	9.7	11.8	10.4	10.6	8.4	9.6	8.1	13.4
21	11	11.4	8.2	8.5	9.6	9.4	8.4	10.1	7.0	10.0	10.2	10.8	7.0	9.4	11.6	10.3	10.6	8.4	9.0	7.8	13.4
22	11	11.2	7.8	8.6	9.6	8.6	7.9	10.0	6.6	10.1	9.9	10.8	6.8	9.4	11.6	10.0	11.0	8.3	9.1	7.6	12.2
23	11	11.0	7.7	8.9	9.5	8.1	7.0	9.9	6.6	8.7	10.1	11.0	6.4	9.2	11.4	9.6	11.2	8.0	9.1	7.5	10.6
24	11	10.7	7.6	9.3	9.4	8.0	6.2	9.8	6.8	7.8	9.9	10.8	6.5	9.1	11.3	9.5	11.0	8.0	9.3	7.4	10.8
25	11	10.6	7.3	9.3	9.2	7.4	6.2	9.9	6.4	7.8	9.7	10.5	6.4	9.0	11.0	9.0	10.5	7.8	9.2	8.4	10.4
26	11	10.3	6.6	9.3	8.7	6.9	6.4	10.1	6.2	7.7	9.9	10.0	6.6	8.9	10.3	8.6	9.2	7.6	9.0	8.1	10.4
27	11	10.2	6.1	9.2	8.6	6.8	6.8	10.3	6.0	7.6	9.5	9.8	6.0	8.6	8.8	8.4	9.1	7.5	8.8	8.6	10.5
28	11	9.8	6.2	9.4	8.5	6.6	7.4	10.4	5.4	7.4	9.5	9.7	6.0	8.6	7.9	7.8	8.6	7.4	8.2	8.0	10.5
29	11	9.6	6.4	9.6	8.4	6.8	7.6	10.4	5.2	7.4	9.6	9.8	6.2	8.5	7.5	7.6	8.2	7.2	7.6	7.7	10.4
30	11	9.6	6.2	9.5	8.8	6.8	7.9	10.0	5.0	7.6	9.4	9.6	6.0	8.6	7.3	7.2	7.7	6.7	7.4	6.1	10.3
1	12	9.6	6.4	9.6	9.0	7.0	8.2	10.0	5.2	7.6	9.4	9.2	6.0	8.6	7.2	7.3	8.0	6.0	7.4	5.8	9.6
2	12	9.5	6.1	8.8	8.7	6.8	8.2	9.6	4.8	8.0	9.5	8.4	5.7	8.4	7.6	6.6	8.5	5.9	7.5	5.6	7.8
3	12	9.1	5.6	8.4	8.4	6.6	8.0	9.5	5.2	7.8	9.4	8.1	5.5	8.3	7.4	6.7	7.9	5.4	7.4	5.0	8.2
4	12	8.8	4.8	8.2	8.0	6.9	7.7	9.3	5.6	8.0	9.5	8.1	5.8	7.7	6.9	6.4	8.6	5.5	7.3	4.9	7.6
5	12	8.5	4.7	8.0	7.6	6.9	7.4	9.1	5.6	8.0	9.3	7.8	6.4	7.1	6.6	6.2	8.9	5.4	6.8	5.1	7.2
6	12	8.5	4.5	7.8	7.4	6.9	7.2	9.2	5.2	7.4	9.5	7.4	6.9	6.7	6.1	6.2	8.8	5.2	6.4	5.2	7.2
7	12	8.3	3.8	7.4	7.4	6.4	7.2	9.2	5.3	7.9	9.6	7.2	7.0	6.6	5.6	6.2	8.4	5.3	5.8	5.0	7.0
8	12	8.2	3.4	6.4	6.8	6.1	7.0	9.0	5.2	7.4	9.5	6.7	6.4	6.2	5.2	6.0	8.2	5.2	5.9	4.8	7.2
9	12	8.0	3.1	5.2	6.4	5.9	6.8	8.8	5.5	6.6	9.0	6.7	5.8	6.4	5.1	6.0	7.9	5.0	5.8	6.1	7.4
10	12	7.9	3.0	4.5	5.8	5.4	6.4	8.6	5.1	6.3	8.7	6.4	5.5	5.6	5.2	5.8	7.6	5.3	5.6	5.4	7.3
11	12	7.8	3.0	4.3	6.2	5.6	6.2	8.6	5.4	5.7	8.3	5.7	6.2	5.4	4.8	5.6	7.4	5.4	5.4	5.6	7.4
12	12	7.8	3.2	4.4	6.6	5.3	5.9	8.4	5.3	5.6	7.8	5.2	5.9	4.8	4.9	5.7	7.0	5.6	5.1	5.6	7.2
13	12	7.9	3.0	4.2	6.8	5.3	5.7	8.4	5.6	6.0	7.6	5.0	6.4	4.0	4.8	6.0	6.8	5.4	5.2	5.4	7.2
14	12	7.9	3.1	4.4	6.7	5.0	5.6	8.2	4.9	6.2	7.4	4.9	6.4	3.6	4.8	5.8	6.5	4.6	5.6	5.2	7.4
15	12	8.1	2.9	4.3	6.8	5.0	6.1	8.0	4.8	6.0	6.8	4.8	6.3	3.5	4.6	5.7	6.5	4.5	5.4	4.9	7.2
16	12	7.9	2.8	4.2	6.7	4.9	5.8	7.8	4.3	5.9	6.4	4.5	6.4	3.6	4.2	6.0	6.6	4.4	5.5	4.8	7.2
17	12	8.0	2.1	3.9	6.2	4.3	6.0	7.6	4.4	6.2	6.2	3.8	6.1	4.0	4.0	6.0	6.5	4.0	5.8	4.6	7.0
18	12	6.9	1.8	3.6	5.4	4.3	5.9	7.8	4.0	6.1	4.8	3.2	5.8	3.9	4.0	6.1	6.4	3.6	5.3	4.5	6.9
19	12	6.8	1.9	3.6	5.4	4.7	5.4	8.0	4.0	6.2	4.8	3.2	5.4	3.5	3.6	6.2	6.2	3.5	4.8	4.0	6.4
20	12	6.4	1.6	3.3	5.2	4.9	4.6	7.3	4.1	6.1	4.5	3.0	5.3	2.6	3.6	6.2	6.2	3.2	4.5	4.2	7.0
21	12	6.2	1.8	3.3	5.2	4.8	4.5	7.2	3.6	6.2	3.2	3.2	5.0	2.5	3.4	6.3	6.2	3.4	4.5	4.2	6.8
22	12	5.6	1.7	3.0	5.4	4.6	4.6	7.1	3.4	6.0	3.2	3.0	4.8	2.6	3.4	6.0	6.1	3.5	4.2	4.2	6.8
23	12	5.3	2.0	3.1	5.5	4.4	4.2	6.8	3.0	5.7	3.4	2.8	4.4	2.8	3.0	6.2	6.4	3.4	4.2	4.4	7.1
24	12	4.8	2.3	3.0	4.6	4.4	4.5	6.6	3.1	5.5	3.6	2.8	4.3	2.6	3.0	6.2	6.5	3.0	4.2	4.5	7.0
25	12	4.6	2.1	2.6	4.2	4.0	4.4	6.4	3.0	5.2	3.8	2.8	4.0	2.6	3.2	6.2	6.6	2.6	4.4	4.8	6.8
26	12	4.7	1.4	2.0	3.7	4.2	4.2	6.1	2.6	5.0	4.2	2.7	4.4	2.4	3.2	6.2	6.6	2.8	4.6	4.7	6.6
27	12	4.6	1.2	1.7	3.6	4.4	4.3	5.4	3.0	5.0	4.2	2.6	4.2	2.3	3.2	6.0	6.5	3.0	4.7	3.8	6.3
28	12	5.9	1.2	1.8	3.2	4.6	4.5	4.6	3.1	4.4	4.4	2.5	4.4	2.6	3.4	5.4	6.4	3.0	4.7	3.4	6.0
29	12	6.6	1.0	2.0	3.2	4.6	4.7	5.0	3.0	4.1	4.2	2.4	4.7	2.9	3.4	5.0	6.4	2.8	4.8	4.2	5.6
30	12	6.5	1.3	2.5	3.0	4.6	5.2	5.3	2.5	4.1	3.8	2.2	4.8	2.7	3.5	3.9	5.5	3.0	4.9	4.0	5.4
31	12	6.4	1.7	2.9	2.7	4.6	4.7	5.1	2.6	4.1	3.8	2.0	4.4	2.6	3.6	3.4	4.6	2.8	4.5	3.8	4.8