

Executive Agency "Exploration and Maintenance of the Danube river"

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

The water gauge is located at km 743.300 with a zero elevation of 22.65 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	2.3	4.8	1.5	1.9	2.6	4.0	3.5	4.6	1.6	3.1	3.9	1.3	3.4	2.6	3.3	3.8	3.5	1.5	4.3	3.4
2	1	1.9	4.8	0.5	1.5	2.5	4.0	3.7	4.8	1.0	3.0	4.3	1.4	3.1	2.8	3.4	3.7	3.5	1.3	4.5	3.3
3	1	1.8	4.8	0.7	1.7	2.8	3.9	3.8	5.0	0.9	2.5	4.6	1.6	3.2	2.9	3.4	3.7	3.2	1.6	4.7	3.1
4	1	1.8	4.8	0.5	1.9	2.7	3.4	4.2	5.0	0.9	2.2	4.2	1.4	3.5	3.2	3.5	3.5	2.2	1.7	4.6	3.1
5	1	1.8	4.8	0.3	2.0	2.7	3.8	4.2	4.4	0.3	1.7	4.4	1.1	3.9	3.2	3.6	3.3	1.8	1.8	4.3	2.5
6	1	1.9	4.8	0.3	2.2	2.0	3.9	3.6	4.4	0.0	1.4	4.2	0.9	4.0	3.1	3.7	3.0	2.2	1.4	4.3	2.7
7	1	1.8	4.8	0.3	2.5	1.5	4.3	3.6	4.2	0.3	1.5	4.2	0.8	3.8	3.0	3.8	2.4	2.8	0.2	4.3	2.5
8	1	1.5	4.7	0.5	2.6	0.8	4.3	3.4	4.3	0.5	1.4	4.2	0.9	3.3	2.5	3.8	2.1	2.9	0.0	4.3	1.8
9	1	1.3	4.7	0.5	2.3	0.7	4.4	3.3	4.4	0.5	1.1	4.0	0.9	3.4	2.2	3.9	1.9	3.5	0.0	4.4	2.2
10	1	1.2	4.5	0.5	2.3	0.7	4.5	3.3	4.4	0.3	0.7	4.1	0.9	3.2	2.6	4.1	2.4	3.6	0.0	4.5	2.4
11	1	1.2	4.3	0.7	2.5	0.9	4.6	3.2	4.3	0.2	0.7	4.4	0.9	3.0	2.9	4.2	2.6	3.5	0.0	4.5	2.3
12	1	1.1	4.4	0.7	2.2	0.8	4.6	3.0	4.5	0.3	0.5	4.5	1.1	3.0	3.0	4.3	2.6	3.4	0.0	4.9	2.0
13	1	1.1	4.4	0.7	1.9	0.9	4.4	2.7	4.5	0.0	0.2	4.4	1.3	3.0	2.6	4.2	2.4	3.3	0.0	4.9	2.0
14	1	1.1	4.3	0.7	1.8	1.1	4.3	2.6	4.5	0.0	0.2	4.4	1.7	3.2	2.7	4.0	2.0	3.1	0.1	4.5	2.2
15	1	1.2	4.4	0.7	1.6	1.6	4.0	2.3	5.0	0.1	0.4	4.4	2.1	2.6	2.7	4.1	2.0	2.7	0.1	3.8	2.1
16	1	1.1	4.3	0.7	1.6	1.8	4.1	2.2	5.0	0.0	1.1	4.3	2.2	2.2	2.8	4.5	2.2	2.6	0.0	3.9	1.7
17	1	1.1	4.4	0.3	1.7	1.4	4.1	2.0	4.5	0.0	0.9	4.1	2.5	2.0	3.0	4.9	2.4	2.3	0.0	4.1	2.2
18	1	1.2	4.4	0.4	1.4	1.3	3.5	1.8	4.7	0.1	0.6	3.7	2.6	2.6	3.2	5.1	2.4	2.0	0.0	3.9	2.4
19	1	1.2	4.3	0.4	1.5	1.5	3.4	2.0	5.6	0.7	0.9	3.6	2.6	2.4	2.8	5.4	2.6	2.1	0.0	3.6	2.5
20	1	1.0	4.3	0.3	1.6	1.8	3.4	1.9	5.7	1.4	1.1	3.4	2.6	3.0	2.9	5.7	2.8	2.2	0.0	3.7	2.4
21	1	1.0	3.9	0.5	2.0	1.8	3.5	1.9	5.7	1.9	1.1	2.8	2.8	3.2	3.1	5.8	3.1	2.0	0.0	3.5	2.0
22	1	0.9	3.8	0.7	2.0	1.6	3.7	2.0	6.0	4.6	1.4	2.6	2.8	2.7	3.3	5.7	3.1	1.9	0.0	3.6	2.2
23	1	0.8	3.3	1.0	2.2	0.9	3.7	1.4	7.4	2.5	1.2	2.3	2.6	2.9	3.1	5.8	3.7	1.7	0.0	3.9	1.9
24	1	0.8	3.0	1.0	2.3	0.9	3.6	1.0	6.0	2.6	1.4	2.3	2.7	3.2	3.2	5.8	4.0	1.3	0.0	4.2	2.0
25	1	0.8	2.7	1.1	2.1	0.8	3.4	0.6	6.0	2.6	1.4	1.9	2.8	3.0	3.9	5.0	4.6	1.1	0.0	4.1	2.1
26	1	0.5	2.6	0.9	2.4	0.8	3.6	0.2	5.9	2.3	1.5	1.3	2.6	2.3	3.6	3.5	4.7	1.2	0.0	3.8	1.6
27	1	0.5	2.6	1.0	2.5	0.6	3.6	0.2	5.6	3.3	1.5	1.2	2.6	1.8	3.3	3.5	4.8	1.7	0.0	3.6	1.5
28	1	0.5	2.6	1.3	2.5	0.8	2.7	0.2	4.6	3.7	2.0	1.1	2.5	1.8	3.3	3.9	5.0	2.0	0.0	3.7	2.0
29	1	0.5	2.7	1.7	2.8	0.7	2.3	0.2	4.5	3.4	2.6	1.2	2.5	1.7	3.6	3.6	5.0	2.6	0.0	3.9	2.1
30	1	0.7	2.8	1.8	3.0	0.7	2.0	0.2	4.7	3.4	2.9	1.1	2.5	1.2	3.7	3.7	5.1	3.2	0.0	3.9	2.6
31	1	0.8	3.2	2.2	3.0	0.7	1.8	0.5	5.2	3.5	3.0	1.1	2.2	0.9	3.8	2.8	5.1	3.2	0.0	3.3	2.6
1	2	1.0	2.8	2.3	2.8	0.6	1.9	1.0	5.3	3.7	3.2	1.1	2.1	0.5	3.7	2.7	5.1	3.4	0.0	3.8	2.9
2	2	1.8	2.5	2.4	2.8	1.2	2.1	1.4	5.5	3.7	3.3	0.4	1.8	0.2	3.8	2.6	4.9	4.0	0.0	3.9	2.9
3	2	1.8	2.3	2.4	2.4	1.8	1.9	1.6	5.3	3.7	3.4	0.5	1.3	0.2	3.6	2.5	4.7	3.7	0.0	4.0	2.8
4	2	1.7	2.0	2.7	2.0	2.2	1.9	1.5	5.2	3.8	3.4	1.0	0.9	0.1	3.2	2.3	4.6	4.1	0.0	4.6	2.9
5	2	1.5	2.7	3.3	2.1	2.7	2.0	1.7	5.1	3.9	3.6	0.9	0.9	0.0	3.0	2.3	4.4	3.8	0.0	4.4	3.1
6	2	1.5	3.2	3.7	2.1	3.2	1.8	1.5	5.0	4.0	3.7	0.7	1.2	0.0	3.2	2.4	4.6	3.4	0.1	4.3	2.9
7	2	1.9	3.6	3.6	2.0	3.1	1.4	0.6	4.8	4.3	3.7	0.4	1.6	0.0	3.4	1.9	4.1	3.3	0.1	4.5	2.9
8	2	2.1	4.0	3.7	1.8	3.7	1.6	0.2	4.9	4.3	3.8	0.2	1.7	0.0	3.4	1.9	4.0	3.4	0.3	4.9	3.2
9	2	2.6	4.6	4.2	1.8	3.5	1.3	0.2	5.0	4.2	3.8	0.6	1.8	0.0	3.4	1.3	3.9	3.6	0.3	4.9	3.6
10	2	2.9	4.5	4.4	1.7	2.2	0.3	0.4	5.2	4.0	3.7	0.8	1.7	0.0	3.7	1.8	3.6	4.2	0.0	4.9	3.7
11	2	3.2	4.7	4.4	1.6	2.0	0.2	0.3	5.8	3.8	4.3	0.3	1.8	0.0	3.5	2.3	3.6	4.5	0.1	4.8	4.1
12	2	3.4	4.9	4.7	1.6	1.8	0.0	0.6	6.1	3.8	4.2	0.9	2.0	0.0	3.5	2.3	3.3	4.9	0.2	4.7	4.3
13	2	3.5	4.0	5.1	1.4	1.0	0.0	0.9	6.2	3.7	3.9	0.9	2.0	0.0	3.5	2.5	3.3	5.0	0.7	4.8	3.9
14	2	3.6	4.5	5.2	1.0	0.9	1.2	1.4	6.0	3.8	4.0	0.7	2.3	0.0	3.6	2.7	3.2	4.7	1.2	4.9	3.9
15	2	3.8	4.9	5.0	1.0	0.9	1.0	1.5	6.3	4.0	3.8	1.0	2.1	0.0	3.7	3.2	3.2	4.8	1.4	4.6	4.3
16	2	3.8	5.6	5.8	1.0	1.6	1.0	1.5	6.5	3.6	4.0	0.9	1.8	0.0	3.6	3.9	3.2	5.3	1.8	4.8	4.3
17	2	4.0	5.4	5.1	1.1	2.1	1.3	1.7	6.3	3.8	3.8	1.3	1.7	0.0	3.7	4.1	3.0	5.7	2.0	4.8	4.5
18	2	4.3	5.4	5.2	1.1	2.5	1.5	1.9	6.1	2.8	3.8	1.6	2.0	0.0	3.7	4.7	2.9	5.9	2.0	5.0	4.7
19	2	4.4	5.3	5.2	1.3	2.7	1.0	2.2	5.6	3.0	3.4	1.8	2.3	0.0	3.7	5.2	2.8	6.0	2.3	5.0	4.7
20	2	4.6	5.2	5.2	1.2	3.3	0.7	2.4	5.8	3.6	3.0	2.1	2.0	0.0	3.8	5.6	3.0	6.3	2.2	4.4	4.7
21	2	4.6	5.1	5.4	1.2	3.0	1.2	2.5	5.9	3.9	2.7	2.2	2.5	0.0	4.0	6.0	3.2	6.6	2.3	4.0	5.0
22	2	4.6	5.2	5.6	1.4	2.5	1.1	2.9	6.5	4.1	3.2	2.2	2.2	0.0	4.1	6.8	3.5	7.0	3.1	3.9	5.1
23	2	4.4	5.0	5.2	1.3	1.9	1.3	3.2	6.5	4.4	3.1	2.2	1.8	0.0	4.1	6.4	3.6	7.2	3.5	3.9	4.4
24	2	4.4	5.3	5.5	1.6	2.1	1.5	2.9	6.1	4.9	2.8	2.7	1.9	0.1	4.2	6.3	3.8	7.4	3.8	3.8	3.9
25	2	4.0	5.0	5.8	1.5	2.7	1.9	2.4	5.8	4.8	2.7	3.6	1.9	0.3	4.3	6.2	4.2	7.1	4.5	3.8	4.2
26	2	4.0	4.6	6.0	2.0	2.3	2.2	3.0	5.2	4.8	2.3	4.0	2.1	0.9	4.4	6.1	4.5	7.1	3.7	2.7	4.2
27	2	4.2	4.3	6.4	3.2	2.9	2.4	3.5	4.9	5.0	2.7	4.4	2.1	0.6	4.3	6.4	4.8	7.3	3.4	1.8	4.5
28	2	4.2	3.6	6.4	3.5	3.4	2.2	3.9	5.0	5.3	3.2	4.9	2.1	1.4	4.2	6.5	4.9	7.3	3.9	1.7	4.8
29	2	4.2				3.4				5.3				0.5				7.1			
1	3	4.1	5.0	6.9	3.5	3.8	2.4	3.9	5.2	5.4	3.9	5.3	2.0	0.6	4.1	6.6	6.8	7.2	4.0	1.9	5.4
2	3	4.3	5.0	7.2	3.5	3.1	1.9	3.7	5.6	5.7	3.9	5.6	1.9	1.0	4.5	6.6	6.1	7.3	4.5	2.1	5.8
3	3	4.5	5.2	7.4	2.9	2.8	1.8	3.7	6.0	6.3	4.0	5.8	2.3	2.0	4.6	6.7	6.5	7.3	5.0	2.2	5.9
4	3	4.4	5.6	7.4	3.1	2.6	2.2	3.9	6.8	6.5	4.0	6.0	2.1	1.6	4.9	6.9	6.4	7.7	5.4	2.8	5.5
5	3	4.6	5.6	7.6	3.4	2.9	2.4	4.1	6.6	6.9	3.9	6.0	2.1	1.4	5.0	6.9	6.6	7.6	6.1	2.4	5.9
6	3	4.5	5.1	7.7	3.7	3.0	2.0	4.4	6.5	6.2	3.9	5.4	2.1	1.3	5.2	7.0	6.3	7.8	6.7	2.4	6.2
7	3	5.0	5.1	7.8	3.2	2.8	1.6	3.1	6.9	6.2	4.2	5.1	2.3	1.9	5.3	7.2					

6	4	10.0	9.7	9.8	7.1	9.9	9.8	10.8	10.3	9.6	9.6	11.0	9.4	11.6	6.9	12.5	9.6	11.3	12.0	9.4	10.8
7	4	9.8	10.3	9.6	7.8	10.0	10.1	10.8	10.7	9.3	10.3	11.0	10.6	11.8	7.2	12.3	9.4	12.1	11.3	9.8	11.0
8	4	10.0	10.4	8.0	6.8	10.2	10.3	10.3	11.0	10.0	10.5	11.2	10.9	12.0	7.0	12.9	9.4	12.8	11.3	10.3	11.2
9	4	10.0	11.4	8.4	6.6	10.2	10.6	10.1	11.6	10.4	10.9	11.4	11.5	10.4	7.0	13.6	9.8	12.8	11.8	11.0	11.7
10	4	10.2	11.4	9.6	9.4	10.5	10.8	10.4	11.7	10.6	11.4	12.0	11.1	10.6	7.0	12.8	10.2	13.5	12.5	11.4	11.3
11	4	10.2	11.4	10.0	9.7	10.3	11.1	10.7	11.8	10.6	11.7	11.6	11.2	11.0	7.4	12.8	10.0	13.1	12.9	11.8	12.1
12	4	10.3	11.4	9.6	9.9	10.6	11.3	10.8	12.6	10.7	11.7	11.8	11.4	11.7	7.8	12.5	10.3	13.3	13.1	12.2	12.2
13	4	10.5	11.4	9.8	10.5	10.9	11.7	10.8	12.9	11.0	11.7	11.8	12.0	12.0	8.4	13.0	10.2	13.9	13.4	12.6	12.2
14	4	11.0	10.9	10.0	10.6	11.3	11.8	10.8	13.2	11.4	11.6	12.0	11.1	12.3	9.0	13.3	10.8	14.7	13.7	13.0	12.1
15	4	11.1	10.7	10.2	10.6	11.3	11.9	10.6	13.5	11.0	11.9	12.0	10.8	12.5	9.6	13.4	10.4	14.3	13.4	14.0	12.3
16	4	11.5	10.6	10.2	10.5	11.4	12.2	11.0	13.6	11.6	12.2	11.7	11.4	12.2	10.1	12.9	10.8	14.5	14.2	13.9	13.0
17	4	11.9	11.0	10.0	10.6	11.6	12.5	11.0	13.6	11.8	12.4	11.9	12.0	12.5	10.2	12.5	11.4	14.8	14.3	13.9	13.1
18	4	12.4	11.2	10.9	11.0	11.5	12.3	11.2	13.8	12.0	12.6	12.1	12.1	12.3	10.9	12.6	12.0	15.2	13.5	14.1	13.2
19	4	12.5	11.2	11.2	10.6	11.0	12.1	11.1	13.7	12.2	13.1	12.3	12.3	11.8	12.2	12.6	11.8	15.9	13.2	14.3	13.3
20	4	12.7	11.4	11.2	10.7	10.7	11.8	11.0	13.6	12.4	13.4	12.3	13.2	12.3	13.0	12.4	11.6	15.3	12.2	14.4	13.6
21	4	12.9	11.4	11.5	10.5	10.9	11.7	11.4	13.8	12.9	13.7	12.0	13.2	12.3	13.7	12.8	12.0	14.5	11.7	15.0	13.5
22	4	14.0	11.4	12.7	11.2	11.4	11.6	11.5	14.3	13.4	14.0	12.3	13.6	12.3	12.8	13.6	12.4	14.9	11.7	15.2	13.7
23	4	14.2	11.3	13.1	11.2	11.9	11.5	12.1	14.6	13.3	13.8	12.5	13.5	12.5	13.9	14.3	12.5	15.6	12.5	15.5	13.6
24	4	14.3	11.5	13.2	11.3	12.2	11.5	12.6	14.9	13.7	13.5	12.8	13.4	12.8	14.1	14.3	12.9	16.1	12.1	15.9	13.4
25	4	14.6	11.2	13.2	11.6	12.6	11.8	12.8	15.3	13.6	13.6	12.9	13.4	13.0	15.0	14.2	13.4	15.0	12.5	16.3	13.9
26	4	15.0	11.4	14.2	12.3	12.6	12.0	12.8	15.6	13.6	14.3	13.2	13.7	12.5	15.2	14.2	13.4	14.2	13.4	16.7	14.5
27	4	15.3	11.8	14.1	12.6	13.0	12.3	13.0	15.9	13.7	14.0	13.2	14.0	13.2	15.4	14.0	14.0	14.2	13.8	17.1	15.0
28	4	15.7	12.2	15.0	12.6	13.5	12.7	13.1	16.0	13.8	14.2	13.3	13.9	13.6	15.9	14.0	14.6	15.2	14.1	17.4	14.6
29	4	15.9	12.4	14.5	13.3	13.9	12.7	13.2	16.4	14.0	14.2	13.6	13.8	14.0	16.5	14.1	14.4	15.9	14.2	17.8	15.0
30	4	16.8	12.4	15.8	14.2	14.4	13.0	13.5	16.6	14.2	14.3	14.0	14.3	14.4	17.1	14.4	13.9	16.3	13.3	18.0	15.3
1	5	16.8	12.9	15.6	14.4	14.9	13.2	13.7	16.9	14.4	14.5	14.3	14.7	14.8	17.3	14.4	14.8	15.8	13.0	18.2	14.2
2	5	17.2	13.3	15.0	15.3	14.8	13.7	14.0	17.2	14.6	14.5	14.7	14.5	15.0	18.0	14.7	15.7	15.7	13.0	18.6	14.5
3	5	17.2	14.2	15.2	15.8	15.0	14.0	14.2	17.2	14.5	14.5	15.2	14.6	15.3	18.1	14.9	15.0	14.9	13.9	18.8	15.0
4	5	16.2	14.5	16.5	15.6	15.9	14.8	14.2	17.0	14.7	14.9	15.8	14.3	16.1	18.1	15.0	16.0	14.2	14.4	19.2	15.5
5	5	16.2	15.1	16.8	15.7	15.9	14.8	14.6	17.0	15.1	15.1	16.2	14.3	16.1	18.4	15.0	16.2	13.7	14.6	19.3	16.3
6	5	16.7	15.3	16.6	16.4	16.0	15.0	14.8	17.3	15.2	15.6	16.7	13.6	16.9	19.0	14.9	16.8	14.6	14.5	19.7	16.2
7	5	17.0	15.5	16.4	16.7	16.0	15.0	14.9	17.6	15.5	15.4	16.4	13.4	17.3	18.8	15.0	17.4	15.2	14.8	20.1	15.1
8	5	17.0	15.8	17.2	17.0	16.0	14.7	15.3	17.8	15.6	15.3	16.7	14.2	17.6	19.0	15.2	17.3	15.2	15.0	19.8	14.5
9	5	17.2	16.7	17.5	17.2	15.9	14.3	15.3	18.1	15.9	15.6	16.9	14.3	17.6	19.0	15.1	17.7	15.1	15.3	19.8	15.2
10	5	17.3	16.8	17.2	18.1	16.4	14.9	15.8	18.3	15.7	16.5	17.1	14.9	18.2	18.7	15.5	18.1	15.2	15.2	20.1	15.3
11	5	18.0	16.8	17.0	18.8	16.2	14.8	15.8	18.5	15.8	17.0	17.7	15.8	18.7	19.1	15.8	18.3	15.2	14.9	20.1	15.4
12	5	19.0	16.8	17.9	19.0	16.4	15.3	15.6	19.1	15.7	17.3	17.7	15.8	19.4	19.6	16.0	18.4	15.5	15.4	20.5	15.6
13	5	18.5	17.3	18.1	19.3	16.7	15.7	15.9	19.7	16.3	17.6	18.4	15.7	20.0	19.2	15.5	18.5	15.4	15.5	20.5	15.8
14	5	18.9	17.5	18.3	19.9	16.5	15.7	15.9	20.0	16.7	17.6	18.1	16.6	18.7	18.9	15.7	18.6	15.8	15.7	20.8	15.7
15	5	19.5	17.3	18.1	19.9	16.4	15.7	16.1	20.5	16.8	17.9	18.5	17.0	17.8	18.5	15.4	19.0	15.8	16.2	20.2	15.1
16	5	19.8	17.5	19.0	19.7	16.0	15.7	16.3	20.8	17.3	18.8	18.0	17.7	17.7	18.4	14.9	18.7	16.0	16.3	20.2	15.2
17	5	19.8	18.1	19.3	19.7	15.8	15.7	16.7	20.8	17.7	19.0	17.8	17.0	17.6	18.7	15.5	18.7	15.4	16.4	20.2	15.3
18	5	20.2	18.7	19.0	20.0	15.7	16.1	17.1	20.8	18.2	19.5	17.0	16.7	17.3	18.6	15.6	19.0	15.9	16.7	21.2	15.5
19	5	20.5	18.5	20.0	20.5	16.2	16.2	17.3	20.7	18.7	19.6	15.9	17.7	17.2	18.8	15.6	19.5	16.1	17.1	20.6	15.7
20	5	20.4	18.2	20.9	20.8	16.0	16.0	17.6	20.6	19.0	20.0	16.1	18.0	18.0	19.2	15.5	19.4	16.6	17.7	20.3	15.6
21	5	20.5	18.3	20.2	20.9	16.6	15.9	17.8	20.4	19.3	20.2	16.5	18.7	18.2	19.4	15.2	19.7	16.7	18.3	20.5	15.2
22	5	20.7	18.5	19.0	19.7	17.1	16.0	17.9	20.1	19.3	20.6	16.2	19.3	18.2	19.5	15.1	20.2	17.0	18.6	20.2	15.5
23	5	20.7	19.0	19.3	19.6	17.5	16.9	18.5	20.2	18.8	21.0	15.7	19.5	17.3	19.3	15.4	20.1	17.4	19.0	20.2	15.5
24	5	20.3	18.5	20.8	19.2	17.2	17.6	19.0	20.4	19.1	20.9	15.2	19.7	17.0	19.1	15.9	19.9	17.8	19.2	20.8	15.5
25	5	20.2	18.7	21.0	19.3	15.6	17.7	19.5	20.7	19.5	21.0	15.3	19.7	17.4	19.2	16.5	19.6	17.4	19.1	21.1	15.3
26	5	20.2	18.7	20.6	19.7	15.8	17.7	19.8	20.9	20.3	21.1	15.4	20.4	17.6	19.2	17.0	19.8	17.6	19.0	21.5	15.7
27	5	20.5	19.6	21.1	19.4	16.3	18.0	20.1	21.4	20.7	21.2	15.7	22.0	17.2	18.8	17.5	19.9	18.0	19.2	21.8	16.3
28	5	20.6	19.1	21.7	19.7	16.7	18.7	20.5	21.6	21.2	21.2	16.0	20.2	16.9	18.7	18.0	19.1	18.4	19.2	22.0	16.2
29	5	20.6	19.3	21.1	19.7	17.3	18.7	20.7	21.7	21.1	20.3	16.4	20.5	17.3	18.7	18.3	18.8	18.8	19.7	21.9	16.6
30	5	20.7	20.2	21.0	19.9	17.5	19.2	20.8	22.2	20.6	19.6	16.7	20.5	17.3	18.1	18.4	18.8	19.0	20.3	21.9	17.2
31	5	21.0	20.6	20.8	20.1	17.6	19.7	20.6	22.2	21.2	19.1	17.1	21.0	17.6	18.5	18.0	19.0	19.3	20.8	21.9	17.6
1	6	20.6	19.6	21.0	20.5	17.9	19.7	20.2	21.9	21.4	20.0	17.1	21.3	18.1	18.2	18.0	18.8	19.6	21.2	22.2	17.4
2	6	20.5	19.3	21.2	20.6	17.9	19.5	19.8	21.9	21.9	20.3	17.2	21.7	18.4	18.2	18.3	18.5	18.3	21.4	22.9	18.0
3	6	20.6	19.8	20.0	21.5	17.9	19.9	19.2	22.1	21.2	19.5	17.5	22.0	18.4	18.0	18.5	18.6	20.0	21.7	23.2	17.9
4	6	20.9	20.6	20.6	21.8	18.1	19.8	19.2	22.4	21.0	19.3	17.9	21.8	18.8	18.0	17.0	18.7	20.3	21.7	23.1	18.0
5	6	21.1	19.3	21.3	22.0	18.0	20.0	18.5	22.6	21.6	19.8	18.0	22.0	19.3	18.1	19.0	19.0	20.8	22.1	23.1	18.1
6	6	21.3	19.3	21.2	22.0	17.4	20.5	18.5	22.6	21.2	20.3	18.1	22.2	18.9	18.1	19.0	19.0	21.2	22.6	23.7	18.0
7	6	21.7	19.4	21.3	22.7	17.7	20.4	18.3	22.8	21.1	20.5	18.2	22.8	18.							

18	7	22.9	24.6	26.8	23.6	22.3	23.5	24.6	25.9	24.1	23.4	24.8	24.4	24.6	23.5	24.3	25.0	23.2	25.1	23.2	24.6
19	7	22.5	24.4	26.2	23.5	23.4	23.9	24.2	26.1	24.7	23.6	25.2	25.1	25.0	23.5	24.5	25.4	23.6	25.8	22.4	24.8
20	7	22.7	24.5	26.0	23.7	23.7	23.0	24.4	26.4	24.5	22.8	25.2	26.8	25.7	23.3	24.7	25.8	24.0	26.2	23.0	25.2
21	7	22.9	25.2	26.0	23.7	23.8	23.2	24.4	26.3	25.0	23.0	25.8	25.3	26.4	23.6	25.0	26.2	23.7	26.4	23.6	25.5
22	7	23.0	24.0	26.4	23.9	24.2	23.0	25.1	26.3	25.0	23.3	26.1	24.3	26.9	23.6	25.2	26.2	24.1	26.8	24.2	25.7
23	7	23.2	23.8	25.9	24.3	24.2	23.2	25.2	26.5	22.5	23.6	26.4	24.3	26.3	24.0	24.5	26.5	24.4	27.2	24.6	26.8
24	7	23.0	23.8	26.0	24.2	24.2	22.9	25.4	26.5	22.3	24.1	27.0	24.6	26.3	24.3	24.7	26.5	24.6	27.5	24.3	25.2
25	7	23.2	24.2	26.3	24.3	24.3	22.8	25.8	26.1	22.7	24.5	26.7	24.6	25.8	24.6	24.7	26.5	24.8	27.2	24.5	25.6
26	7	23.5	24.8	26.1	24.4	24.2	22.8	25.9	25.0	22.9	23.6	24.7	24.6	26.2	24.8	24.9	26.7	24.8	25.8	24.2	25.6
27	7	23.6	24.5	26.0	24.4	24.4	22.9	26.1	24.6	23.4	23.5	24.1	25.1	26.3	24.9	25.7	26.2	24.4	25.4	24.3	25.9
28	7	23.5	24.5	26.0	24.5	22.9	23.1	26.8	24.7	24.1	23.7	24.2	25.3	25.6	25.2	25.3	26.2	24.3	24.1	25.4	24.7
29	7	23.5	24.6	25.5	24.4	22.1	23.6	27.0	25.1	23.6	24.2	24.4	25.5	26.1	25.4	25.0	26.4	24.4	24.3	24.8	25.3
30	7	23.1	24.8	25.7	24.5	21.5	23.8	27.1	25.3	23.8	24.5	25.1	24.7	26.2	25.7	25.4	26.7	24.2	24.9	25.3	25.2
31	7	22.8	24.1	26.2	24.5	22.1	23.8	26.1	25.4	23.8	24.9	25.4	24.2	26.0	25.1	25.5	26.8	24.6	25.7	25.4	25.7
1	8	22.3	24.4	25.5	24.5	22.5	24.1	26.6	24.4	24.0	24.9	25.2	24.2	25.6	25.2	25.3	26.0	24.8	26.0	25.2	26.3
2	8	22.7	24.8	25.9	24.5	22.5	24.5	27.4	24.1	23.3	25.0	25.0	23.9	25.3	25.3	24.7	26.2	24.4	26.0	25.5	26.4
3	8	22.8	24.8	26.2	24.7	23.1	24.6	27.7	23.9	23.3	25.2	25.4	23.8	25.3	25.5	24.7	26.2	23.9	26.4	25.5	26.5
4	8	23.2	24.4	25.9	24.9	23.3	24.8	27.8	24.4	23.5	25.1	25.7	24.1	25.3	25.6	24.9	26.3	24.2	26.5	25.6	25.0
5	8	23.5	24.1	25.8	25.2	23.2	24.4	27.6	23.3	23.6	25.0	25.5	23.7	25.5	25.5	25.4	26.5	24.8	26.8	25.6	24.9
6	8	23.5	25.2	26.2	25.8	23.0	24.0	26.2	22.8	23.8	24.0	27.5	23.2	25.7	26.2	25.1	26.9	24.9	27.1	25.8	25.4
7	8	24.0	25.0	25.8	25.7	22.6	22.9	26.5	22.9	23.5	23.8	24.4	23.0	26.0	25.6	25.4	27.0	26.1	27.4	26.2	25.7
8	8	23.8	25.2	25.5	25.7	22.5	22.8	26.2	22.9	23.7	24.0	24.5	23.6	25.5	25.8	24.6	27.0	25.5	26.9	26.2	26.0
9	8	23.8	25.4	25.8	25.7	22.7	22.8	25.0	23.0	23.5	24.2	24.5	23.4	25.2	26.4	24.6	26.7	25.1	26.7	26.3	26.7
10	8	24.0	25.5	25.3	24.9	22.8	23.1	25.3	23.4	23.0	24.3	23.8	22.5	26.6	26.6	24.9	26.7	24.9	27.0	26.2	27.0
11	8	23.7	26.1	25.4	25.3	22.4	23.4	25.1	24.2	22.8	24.3	24.0	21.5	24.9	26.4	25.2	26.5	25.2	27.0	26.0	27.3
12	8	23.8	25.0	25.3	25.0	22.9	24.1	25.0	24.1	22.6	24.2	24.4	21.6	24.6	26.6	25.3	26.4	23.4	26.8	25.8	27.0
13	8	24.0	24.1	25.4	25.2	23.1	24.1	25.2	24.0	23.8	24.1	24.3	22.2	23.3	26.8	25.0	26.4	23.4	26.3	26.1	26.9
14	8	23.9	24.2	24.9	25.5	23.8	24.0	25.2	24.0	24.1	24.3	24.6	22.8	23.2	27.2	25.3	26.4	23.5	24.5	26.1	26.8
15	8	24.0	24.6	24.0	25.9	22.8	23.7	25.1	24.5	24.5	24.7	24.6	23.2	23.6	26.8	24.6	26.8	23.7	24.9	26.2	25.5
16	8	24.0	25.1	24.0	26.2	21.8	23.3	25.1	24.7	24.6	24.6	24.8	23.6	23.4	26.2	24.2	26.8	24.0	25.6	26.3	24.7
17	8	24.3	25.2	24.3	26.0	22.6	22.8	25.0	24.8	24.1	24.8	24.8	23.6	23.9	26.4	23.7	26.6	24.4	25.7	26.6	24.4
18	8	24.5	25.3	24.7	26.2	22.7	21.7	24.7	24.9	24.3	24.7	25.1	23.5	24.3	26.2	23.3	26.0	24.4	25.9	26.6	25.2
19	8	24.6	25.4	24.5	26.3	22.9	21.3	25.0	25.2	23.0	24.8	24.5	23.8	24.5	26.0	23.4	25.8	24.2	26.0	26.9	25.6
20	8	24.8	25.3	24.1	26.0	24.2	21.6	25.4	25.5	23.6	24.8	24.2	23.9	24.8	26.2	23.7	25.2	24.0	26.0	26.8	25.9
21	8	24.8	25.4	23.4	26.0	24.6	21.5	25.1	25.7	23.8	24.8	24.2	24.0	25.0	26.2	23.7	24.2	24.3	25.5	26.8	26.2
22	8	24.9	25.5	23.4	26.2	24.2	21.6	25.2	26.0	24.4	24.7	23.8	24.2	25.3	26.3	24.2	24.0	24.6	23.2	26.8	26.3
23	8	25.2	25.5	23.2	26.0	23.6	21.5	24.9	26.0	24.8	24.6	23.5	24.4	25.5	26.4	24.2	24.0	23.4	23.2	26.8	27.6
24	8	26.2	25.0	23.2	26.1	23.3	20.8	23.4	26.3	24.9	24.5	23.2	24.7	25.7	26.2	24.0	24.0	22.8	23.1	26.6	26.6
25	8	24.7	25.1	23.0	26.3	22.8	20.8	23.1	26.6	23.5	23.7	23.7	24.9	25.8	25.8	23.7	24.5	23.4	23.6	26.2	26.3
26	8	23.8	25.5	22.8	26.4	23.7	20.4	22.9	27.0	23.6	23.9	23.7	25.1	25.6	25.8	23.3	25.1	23.4	23.8	26.2	26.4
27	8	22.0	25.7	22.8	26.4	23.5	20.2	22.4	26.7	24.1	24.4	23.7	24.2	24.5	26.0	23.2	25.5	22.9	24.2	26.3	26.3
28	8	21.8	25.7	22.2	26.0	22.6	20.4	22.0	25.7	24.3	24.4	24.0	23.6	22.5	25.3	23.1	25.5	23.0	24.5	24.7	26.1
29	8	21.8	25.4	22.0	26.2	22.3	20.4	22.2	25.5	24.1	24.6	23.2	23.6	22.5	25.2	22.5	25.5	23.0	23.9	25.0	25.9
30	8	22.2	25.2	22.2	26.0	22.8	20.8	22.1	25.8	24.0	24.3	22.4	23.5	23.0	24.2	22.2	25.6	23.3	23.2	25.6	25.9
31	8	22.5	23.5	21.8	26.3	23.3	21.0	21.9	25.8	17.9	23.3	22.1	23.5	23.6	24.0	22.2	25.7	23.2	23.2	26.2	26.1
1	9	22.9	23.9	21.8	25.5	23.8	20.8	21.4	25.9	22.5	22.8	20.7	24.0	23.3	24.0	22.1	25.6	23.2	23.3	26.3	25.9
2	9	22.0	23.8	22.0	25.0	23.9	21.2	21.0	24.9	22.5	23.0	19.3	24.2	23.0	23.7	22.2	25.6	23.0	23.7	26.0	25.5
3	9	22.2	23.4	22.0	22.4	24.0	21.0	20.4	23.7	22.4	23.5	20.0	24.1	23.0	23.6	22.1	25.6	22.8	24.1	26.0	25.4
4	9	21.9	23.0	21.5	22.3	23.3	20.9	20.7	24.0	22.7	23.7	21.1	24.3	23.2	21.0	21.5	25.7	22.9	22.5	25.1	24.8
5	9	21.6	23.0	21.4	22.1	22.9	20.6	21.2	24.0	22.8	24.1	20.9	24.2	23.5	20.4	21.1	25.5	23.2	21.6	25.2	24.6
6	9	21.1	22.5	21.5	21.4	22.4	20.5	21.3	22.0	22.8	22.6	20.7	24.5	23.5	20.9	20.9	25.2	22.7	21.4	24.6	24.7
7	9	20.8	21.8	21.2	21.2	22.2	20.3	21.6	21.7	23.0	22.0	21.0	23.8	23.1	20.7	20.6	24.5	22.1	21.7	24.3	24.5
8	9	20.2	21.2	21.8	21.2	21.9	20.0	21.0	21.4	23.0	21.8	21.0	23.8	22.3	21.0	20.5	23.4	22.6	22.3	24.4	24.3
9	9	20.1	21.8	21.6	22.4	21.6	19.7	21.0	20.8	23.1	21.5	20.8	23.2	22.4	22.3	20.6	22.8	22.9	22.7	24.1	23.9
10	9	20.0	21.3	22.0	21.6	20.4	19.6	20.8	20.6	22.2	22.0	20.9	23.2	22.6	22.0	20.6	22.7	22.9	23.1	23.8	23.6
11	9	20.0	21.1	21.8	21.6	20.2	19.5	20.6	20.9	22.3	22.5	19.3	23.0	22.5	22.0	20.5	22.4	22.8	22.5	23.3	23.8
12	9	19.8	20.0	21.8	21.4	20.0	19.4	20.1	20.0	22.2	22.2	19.0	23.6	21.9	21.8	20.3	22.0	23.2	22.7	22.9	24.0
13	9	20.8	20.2	21.4	21.4	20.4	19.5	19.9	19.3	22.4	22.1	19.2	23.8	21.5	21.7	20.0	22.4	23.3	22.6	23.1	23.5
14	9	21.8	19.9	21.2	20.8	20.7	19.3	19.4	19.5	21.4	22.1	19.3	23.8	21.9	20.9	19.8	22.6	22.9	22.1	23.2	23.6
15	9	21.5	19.3	20.8	20.3	20.9	19.1	19.1	19.6	19.7	22.1	19.3	23.9	22.2	20.5	19.2	23.0	23.0	22.1	23.4	23.4
16	9	21.2	19.4	20.8	20.1	21.4	19.4	19.0	19.2	18.8	22.3	19.1	24.2	21.1	20.1	18.8	23.0	23.1	22.2	22.9	23.3
17	9	21.2	18.4	20.6	20.0	21.0	20.4	19.2	18.6	19.0	22.1	18.9	23.9	21.2	20.5	18.3	23.0	23.1	22.3	23.0	23.1
18	9	21.3	18.6	20.3	20.2	20.2	20.5	19.0	18.4												

29	10	12.4	14.2	11.8	9.0	12.7	12.9	15.9	12.4	13.7	12.8	10.0	11.3	14.5	14.3	13.6	12.5	10.7	13.2	14.5	15.6
30	10	12.2	14.5	11.6	8.8	13.0	12.7	15.5	12.2	13.6	12.8	10.0	11.2	13.5	14.5	13.3	11.8	11.0	12.5	14.8	15.4
31	10	12.4	14.6	11.8	9.2	13.2	10.8	15.2	11.9	13.8	11.7	10.0	11.0	12.2	14.0	13.0	11.8	11.0	11.9	14.9	14.7
1	11	12.4	14.6	11.6	9.5	13.3	10.4	14.3	11.9	14.0	11.3	9.8	10.7	12.2	14.3	12.4	11.0	10.8	11.9	15.2	13.7
2	11	12.4	14.0	11.5	9.8	13.3	10.6	13.6	11.5	14.0	10.7	10.0	10.7	12.7	14.6	11.7	10.6	10.9	12.0	15.4	13.2
3	11	12.5	13.2	11.8	10.2	13.4	10.5	12.6	10.9	14.2	9.8	9.9	10.6	12.9	14.5	11.3	10.7	11.6	12.2	15.2	13.7
4	11	12.4	12.0	11.5	10.6	13.0	10.5	12.1	10.6	14.3	9.4	9.7	10.0	13.1	14.6	11.2	10.6	10.7	12.4	14.2	14.0
5	11	12.4	11.3	11.2	10.6	12.2	10.4	11.8	10.3	14.2	9.9	10.0	9.6	13.0	14.6	11.0	10.4	10.5	12.2	14.4	13.9
6	11	12.4	11.6	11.0	10.4	12.0	10.4	10.6	9.8	14.3	10.0	10.2	9.5	12.6	14.5	10.7	10.2	10.6	11.9	14.0	14.4
7	11	12.4	11.6	8.2	10.5	11.8	10.3	10.9	9.5	13.9	10.3	10.0	9.5	12.0	13.9	10.6	10.0	11.0	11.6	14.0	14.7
8	11	12.4	12.0	9.9	9.9	12.0	9.9	10.7	9.1	13.1	10.8	10.1	9.6	10.8	13.9	10.4	9.8	11.1	11.2	13.9	14.7
9	11	12.4	11.9	9.5	9.2	12.3	9.8	11.4	9.1	12.6	11.0	10.4	9.6	10.6	12.7	10.4	10.4	11.1	11.2	13.8	14.6
10	11	12.4	11.9	9.2	8.8	12.7	9.8	11.6	9.3	12.3	10.9	10.2	9.7	10.6	12.8	10.4	11.0	10.1	11.0	13.4	14.5
11	11	12.4	11.8	9.0	8.4	12.8	9.7	11.2	8.2	11.9	10.2	10.3	9.2	10.4	12.8	10.3	11.1	10.0	10.8	13.2	14.1
12	11	12.3	11.6	9.6	8.2	12.8	9.7	11.0	8.5	11.9	9.2	10.5	8.4	10.4	12.8	10.3	11.3	10.1	10.8	13.0	13.9
13	11	12.0	11.5	9.3	8.1	12.9	9.4	10.1	7.9	11.9	8.7	10.3	8.3	10.4	13.0	10.5	11.4	9.5	10.7	12.9	13.7
14	11	11.6	11.2	9.4	7.9	12.4	9.9	9.9	7.7	11.8	8.8	10.0	8.5	10.5	13.2	10.8	11.1	8.6	10.7	12.9	13.2
15	11	11.3	10.6	9.1	7.9	12.1	9.9	9.9	8.2	11.5	9.0	10.0	8.2	9.9	13.0	10.7	10.6	8.8	10.3	12.5	13.2
16	11	11.3	10.3	8.9	7.7	11.3	9.7	10.1	7.8	11.4	9.0	9.5	8.0	9.5	12.7	10.6	10.5	8.5	9.7	12.4	13.4
17	11	11.2	9.8	8.5	7.9	10.3	9.7	10.1	7.7	10.9	9.2	10.3	7.9	9.2	12.5	10.5	10.6	8.5	9.5	11.2	13.2
18	11	11.0	9.4	8.8	7.8	9.8	9.5	9.6	7.4	10.6	9.4	10.5	7.7	9.1	12.4	10.5	10.3	8.3	9.5	10.0	13.2
19	11	11.0	9.0	8.5	7.7	9.7	9.4	9.4	6.9	10.1	9.4	10.5	7.5	9.1	12.1	10.4	10.2	8.0	9.6	9.2	13.2
20	11	10.5	8.6	8.3	8.0	9.4	9.1	9.7	6.8	9.8	9.0	10.4	7.4	9.0	11.8	10.2	10.1	7.9	9.4	9.6	13.1
21	11	10.5	8.4	8.5	8.4	8.7	7.7	9.6	6.6	9.8	9.0	10.4	7.1	8.8	11.1	9.7	10.3	8.0	8.7	9.4	13.0
22	11	10.5	7.9	8.3	8.0	8.3	7.4	9.3	6.4	10.0	8.8	10.3	6.7	8.4	10.9	9.2	10.3	7.8	8.9	9.3	12.4
23	11	10.4	7.7	8.5	7.8	7.7	7.2	9.1	6.2	7.9	8.6	10.1	6.5	8.4	10.8	9.6	10.2	7.6	8.9	9.4	11.1
24	11	10.4	7.4	8.4	7.7	7.4	6.5	9.2	5.9	7.7	8.7	9.9	6.4	8.5	9.9	9.7	9.8	7.5	9.0	9.5	10.8
25	11	10.2	7.2	8.6	8.0	6.4	6.7	9.5	5.7	7.9	8.7	9.1	6.5	8.5	9.6	9.4	9.5	7.4	8.7	9.6	10.6
26	11	9.7	6.9	8.5	8.0	6.0	7.2	9.8	5.6	8.3	8.6	9.2	6.6	8.5	8.5	9.2	8.9	7.3	8.4	9.4	10.5
27	11	9.7	6.5	8.5	7.8	6.0	7.2	10.0	5.0	6.9	8.5	9.2	5.9	8.3	7.2	8.9	9.1	7.2	8.0	9.5	10.5
28	11	9.0	6.4	8.8	8.0	6.1	6.7	9.5	4.7	6.8	8.5	9.0	6.0	8.1	7.0	8.7	8.3	7.2	7.3	8.7	10.1
29	11	8.8	6.2	9.0	8.2	6.0	7.1	9.5	4.6	7.1	8.7	9.0	6.2	8.0	6.7	8.6	8.9	6.3	6.9	7.4	9.5
30	11	8.6	6.3	9.0	8.2	6.1	7.3	9.5	4.7	7.5	8.5	8.9	5.9	7.9	6.3	8.0	8.3	5.8	7.0	6.8	9.2
1	12	8.6	5.8	9.2	8.3	6.3	7.4	9.5	4.8	7.4	8.4	8.6	5.7	7.9	6.8	7.4	8.3	5.8	7.1	6.1	7.8
2	12	8.5	5.5	8.8	8.2	6.1	7.5	9.2	4.8	7.3	8.3	7.9	5.6	7.9	7.0	6.8	8.7	5.8	7.2	5.9	7.9
3	12	8.2	5.2	8.2	8.1	6.0	6.9	9.1	4.7	7.0	8.7	7.6	5.6	7.7	5.7	6.3	8.5	5.5	7.0	5.9	8.0
4	12	8.1	5.0	8.0	7.7	6.1	6.6	8.5	4.8	6.8	8.7	7.5	5.7	6.5	5.6	6.3	8.4	5.2	6.6	5.7	7.6
5	12	8.2	4.9	8.0	7.5	6.5	6.0	8.3	4.8	6.5	8.7	7.1	6.3	6.8	5.2	6.2	8.2	5.1	5.9	6.1	7.4
6	12	8.1	4.8	7.7	7.3	6.1	6.3	8.6	4.8	6.4	8.6	6.3	6.8	6.3	5.2	6.0	7.9	4.9	5.8	6.1	7.3
7	12	7.9	4.2	7.3	7.4	5.8	6.3	8.7	4.8	6.3	8.4	6.2	6.1	6.3	4.8	6.0	7.4	5.2	5.7	6.1	7.6
8	12	7.8	4.0	7.0	7.3	5.2	6.3	8.7	4.7	5.7	8.4	6.2	5.2	6.0	4.6	6.0	7.4	4.8	5.6	5.9	7.5
9	12	7.8	4.0	6.5	6.4	5.0	6.2	8.6	4.8	5.3	8.0	6.2	4.7	6.3	4.9	6.0	7.1	4.8	5.6	5.8	7.1
10	12	7.8	3.8	6.0	6.2	4.9	6.0	8.5	4.8	5.3	7.8	5.6	4.7	5.0	5.1	6.0	7.0	5.0	5.2	5.7	7.0
11	12	7.4	3.5	4.0	6.2	4.4	5.8	8.2	4.6	5.5	7.7	5.0	5.0	4.9	4.7	5.8	6.8	5.4	4.9	5.3	7.2
12	12	7.4	3.4	4.5	6.0	4.4	5.7	8.3	4.6	5.8	7.3	4.9	5.2	4.4	4.3	5.8	6.4	5.3	4.7	5.0	7.0
13	12	7.2	3.6	4.3	6.0	4.5	5.6	8.0	4.6	5.9	6.6	5.1	5.1	3.7	4.3	6.0	6.1	4.9	4.9	5.1	7.1
14	12	7.1	3.3	4.0	6.2	4.1	5.4	7.5	4.4	5.8	6.7	4.7	5.1	3.8	4.0	6.0	6.2	4.0	5.2	5.1	7.0
15	12	6.7	2.6	4.0	6.6	4.4	5.4	7.3	4.2	5.6	6.2	4.2	4.9	3.7	3.7	6.1	6.0	4.1	5.0	4.8	6.8
16	12	6.6	2.6	3.8	6.2	4.4	5.0	7.2	4.0	5.5	6.2	3.9	4.8	3.6	3.4	6.0	5.6	4.1	4.8	4.6	6.7
17	12	6.5	2.5	3.5	5.2	4.0	5.3	7.1	4.0	5.4	5.5	3.4	4.9	3.9	3.6	6.0	5.6	3.5	4.7	4.2	6.5
18	12	6.4	2.1	3.2	4.8	3.6	5.1	7.2	4.0	5.5	5.0	3.2	4.7	3.8	3.5	6.0	5.5	3.5	4.6	4.3	6.4
19	12	6.0	1.9	3.3	4.8	4.2	4.7	7.2	3.7	4.4	4.7	3.1	4.5	3.1	3.4	5.9	5.5	3.3	4.5	4.3	6.2
20	12	6.0	2.6	3.2	5.0	4.7	4.2	7.1	3.6	5.3	3.8	2.6	4.6	2.9	3.1	6.1	5.6	2.8	4.4	4.0	6.2
21	12	5.8	2.6	2.5	4.9	4.6	4.2	7.0	3.5	5.2	2.6	2.5	3.7	2.5	2.8	6.1	5.4	3.0	4.5	3.9	6.8
22	12	5.8	2.0	2.8	4.7	4.2	3.8	7.2	3.0	5.0	3.0	2.2	3.8	2.2	3.2	5.8	5.7	2.3	4.2	3.9	6.1
23	12	5.2	2.3	2.8	4.2	4.0	3.8	7.1	3.0	5.1	3.2	2.2	4.0	1.9	3.1	5.8	6.0	2.8	4.2	4.3	6.1
24	12	5.0	2.0	2.7	3.8	3.6	3.7	7.0	2.8	4.9	3.1	2.0	4.1	1.9	3.0	6.0	6.1	2.2	4.4	4.2	6.2
25	12	4.7	2.0	2.7	3.6	3.7	3.8	6.3	2.8	4.8	3.4	2.1	3.9	2.0	3.0	6.0	6.0	2.6	4.5	4.0	6.0
26	12	4.5	1.7	2.4	3.7	3.7	4.1	5.9	2.8	4.4	3.3	2.1	4.4	2.0	3.0	6.0	6.0	2.6	4.4	3.2	5.8
27	12	4.5	1.5	2.1	3.6	3.6	4.2	5.6	2.4	4.3	3.3	2.0	4.0	2.3	2.8	6.0	5.9	2.7	4.5	3.4	5.5
28	12	4.5	1.6	2.2	3.4	3.9	4.2	5.0	2.6	4.4	3.1	2.1	3.7	2.5	3.1	5.3	5.8	2.5	4.4	3.3	5.4
29	12	4.6	1.4	2.2	2.7	3.8	3.9	5.0	2.4	4.3	2.7	2.1	3.6	2.8	3.3	5.1	5.8	2.3	4.4	3.6	5.3
30	12	4.9	1.4	2.3	2.8	3.8	3.9	4.9	2.2	3.9	2.7	1.9	3.6	2.2	3.3	4.4	5.3	1.9	4.4	3.2	5.4
31	12	4.8	1.2	2.3	2.7	4.0	3.6	4.7	1.9	3.4	3.3	1.6	3.7	2.2	3.2	4.2	4.4	1.7	4.2	3.3	5.1