

Table 1: SCIP Solver no symmetry PB instances

Name	original	$(\ell = 5)$	$(\ell = 4)$	$(\ell = 3)$	$(\ell = 2)$
	time	time	time	time	time
0	92.78	34.26	49.16	27.68	295.77
0	83.56	34.39	56.3	28.5	108.16
0	81.3	34.15	52.44	24.25	99.31
0	86.43	44.34	45.46	27.51	92.06
0	81.82	31.87	45.77	25.99	340.94
1	39.83	41.33	31.96	102.27	67.61
1	31.83	66.21	31.47	114.63	83.94
1	33.78	49.92	40.07	389.13	68.96
1	25.61	46.8	31.85	466.05	76.22
1	31.23	50.36	32.63	128.01	69.76
2	31.56	30.83	97.93	123.91	120.59
2	37.01	32.24	72.1	203.56	87.44
2	32.05	31.26	97.16	220.82	101.29
2	30.53	37.09	78.5	121.93	87.52
2	36.51	35.01	71.52	165.06	128.07
3	48.79	44.35	71.74	33.21	26.55
3	67.35	41.16	41.94	46.35	26.53
3	192.74	46.54	39.13	41.5	23.21
3	43.49	33.15	45.55	26.18	24.63
3	43.13	35.91	37.65	41.62	26.13
4	38.95	37.44	116.17	131.2	64.77
4	41.84	39.24	120.89	140.2	97.76
4	45.2	121.47	140.57	112.61	56.69
4	53.2	35.84	135.52	122.35	66.62
4	49.75	34.74	145.76	121.34	69.55
5	0.92	0.44	0.77	1.06	0.39
5	0.97	1.16	0.76	0.83	0.34
5	0.91	2.07	0.88	0.76	0.34
5	0.41	0.45	0.62	0.73	0.35
5	0.84	2.07	1.0	1.19	0.36
6	0.23	0.25	0.34	0.16	0.1
6	0.22	0.94	0.38	0.18	0.06
6	0.22	0.33	0.34	0.16	0.06
6	0.22	0.24	0.37	0.17	0.06
6	0.21	0.22	0.35	0.55	0.14
7	3600.0	3600.0	3600.0	3600.0	3600.0
7	3600.0	3600.0	3600.0	3600.0	3600.0
7	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
7	3600.0	3600.0	3600.0	3600.0	3600.0
7	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
8	3600.0	3600.0	3600.0	3600.0	3600.0
9	3600.0	3600.0	3600.0	3600.0	3600.0
9	3600.0	3600.0	3600.0	3600.0	3600.0
9	3600.0	3600.0	3600.0	3600.0	3600.0
9	3600.0	3600.0	3600.0	3600.0	3600.0
9	3600.0	3600.0	3600.0	3600.0	3600.0
10	3600.0	2806.8	1071.83	3600.0	1903.45
10	3600.0	3600.0	1104.45	968.64	1681.76
10	3600.0	2723.64	2556.03	3600.0	349.56
10	3600.0	3600.0	1025.95	3600.0	3600.0
10	3600.0	3600.0	2288.13	3600.0	796.09
11	3600.0	3600.0	3600.0	3600.0	3600.0
11	3600.0	3600.0	3600.0	3600.0	3600.0
11	3600.0	3600.0	3600.0	3600.0	3600.0
11	3600.0	3600.0	3600.0	3600.0	3600.0
11	3600.0	3600.0	3600.0	3600.0	3600.0
11	3600.0	3600.0	3600.0	3600.0	3600.0
12	3600.0	3600.0	3600.0	3339.13	3600.0
12	3600.0	3600.0	2771.29	2809.18	3600.0
12	3600.0	2647.33	3427.15	3600.0	3600.0
12	3464.76	3600.0	2477.26	3003.23	3457.69
12	3580.06	3174.94	3600.0	2868.82	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
13	3600.0	3600.0	3600.0	3600.0	3600.0
14	3600.0	3600.0	3600.0	3600.0	3600.0
14	3600.0	3600.0	3600.0	3600.0	3600.0
14	3600.0	3600.0	3600.0	3600.0	3600.0
14	3600.0	3600.0	3600.0	3600.0	3600.0
14	3600.0	3600.0	3600.0	3600.0	3600.0
15	2036.55	3600.0	2867.02	2160.91	1893.42
15	2968.15	3474.82	2734.07	3161.12	1795.13
15	3600.0	1901.63	2911.23	2705.7	2409.94

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
15	2428.0	3065.84	3232.03	3138.85	2214.94
15	3600.0	3600.0	3076.5	2802.81	1458.83
16	14.69	9.02	32.18	21.53	6.03
16	50.71	11.13	43.23	41.4	6.57
16	13.68	7.13	50.81	19.91	6.64
16	13.48	11.97	27.88	18.34	5.47
16	15.4	10.75	40.86	20.06	6.55
17	59.07	49.62	40.74	43.0	45.78
17	46.39	47.41	59.05	57.39	50.31
17	257.46	55.93	46.53	60.06	54.14
17	56.79	54.27	49.39	41.68	57.14
17	63.73	66.82	55.46	54.15	48.55
18	1227.03	352.29	469.64	256.97	124.93
18	459.7	1048.02	436.91	212.9	160.22
18	269.03	298.03	518.9	584.26	201.83
18	387.13	557.51	339.22	146.49	180.92
18	457.57	300.37	483.13	152.43	280.0
19	14.32	13.41	21.19	34.54	15.88
19	13.94	13.66	14.62	24.32	14.27
19	68.59	11.73	14.56	32.48	13.55
19	26.25	19.89	13.36	21.01	16.08
19	10.8	12.85	10.21	42.11	15.96
20	193.25	437.65	38.67	215.42	137.66
20	221.3	225.98	6.66	871.14	56.1
20	109.04	256.6	31.29	176.03	124.23
20	186.32	123.38	91.59	493.28	115.98
20	260.05	297.61	53.34	292.34	121.04
21	0.29	0.32	0.32	0.32	0.36
21	0.31	0.33	0.34	0.31	0.38
21	0.31	0.34	1.18	0.31	0.41
21	1.1	0.34	0.34	0.34	0.35
21	0.31	0.29	0.3	0.34	0.32
22	0.87	0.85	0.95	0.98	0.91
22	0.83	0.89	0.87	2.68	1.03
22	0.87	0.83	1.0	0.78	0.85
22	0.89	0.6	0.93	2.95	0.91
22	0.78	0.92	0.86	2.72	0.89
23	3600.0	3600.0	3600.0	2512.84	3109.52
23	3600.0	3600.0	3600.0	3395.48	1879.47
23	3600.0	3600.0	3600.0	2925.16	3070.7

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
23	3600.0	3600.0	3600.0	3600.0	1878.59
23	3600.0	3600.0	3600.0	2386.06	1795.88
24	3600.0	3600.0	3600.0	3600.0	3600.0
24	3600.0	3600.0	3600.0	3600.0	3600.0
24	3600.0	3600.0	3600.0	3600.0	3600.0
24	3600.0	3600.0	3600.0	3600.0	3600.0
24	3600.0	3600.0	3600.0	3600.0	3600.0
25	3087.44	2692.88	2671.43	3600.0	2920.32
25	3600.0	3600.0	3600.0	3600.0	3600.0
25	3600.0	3600.0	3600.0	3600.0	3600.0
25	3600.0	3600.0	3600.0	3600.0	3600.0
25	3600.0	3600.0	3600.0	3600.0	3600.0
26	0.61	0.57	0.55	0.57	1.56
26	0.64	0.57	0.52	0.55	0.46
26	0.64	0.59	0.52	0.66	0.48
26	2.1	0.64	0.53	1.77	0.53
26	0.6	0.61	0.54	0.53	0.45
27	139.13	58.42	203.95	238.41	59.06
27	327.19	133.32	62.65	201.6	57.55
27	53.27	171.01	210.75	91.25	52.65
27	59.28	67.93	51.44	255.2	221.83
27	58.79	68.35	61.8	65.96	230.6
28	60.8	70.44	69.12	64.33	49.86
28	62.96	52.9	50.5	80.73	50.92
28	59.37	59.79	50.27	66.02	41.53
28	52.31	47.47	53.47	242.51	157.27
28	64.65	66.77	56.83	66.46	178.92
29	325.2	328.51	422.36	455.35	718.13
29	124.15	121.15	1536.88	140.57	383.92
29	496.77	533.28	473.21	522.7	440.35
29	485.73	1613.91	374.68	166.8	505.85
29	466.37	475.24	484.77	425.12	352.97
30	79.77	131.13	238.18	145.64	103.47
30	123.99	111.66	118.26	160.98	36.02
30	102.27	168.43	196.8	169.51	31.95
30	131.23	139.82	127.43	55.0	160.9
30	123.65	171.17	145.58	26.21	134.9
31	408.44	473.39	410.95	449.22	323.54
31	538.58	465.74	456.98	276.23	370.7
31	444.15	468.04	495.36	356.15	401.61

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
31	580.41	457.34	428.21	527.87	433.85
31	404.62	428.3	516.09	490.33	290.86
32	3600.0	3600.0	3600.0	3600.0	3600.0
32	2984.36	3600.0	3600.0	3600.0	3600.0
32	3600.0	3600.0	3600.0	3600.0	3600.0
32	3600.0	3600.0	2279.5	3600.0	3600.0
32	3600.0	2722.13	3600.0	3437.29	3600.0
33	1737.49	1012.12	928.78	3096.25	3600.0
33	3600.0	886.79	789.78	904.68	3600.0
33	2693.68	1031.36	786.56	1153.21	3600.0
33	3600.0	2522.1	755.57	1070.47	3600.0
33	3600.0	3492.56	2236.91	962.79	3600.0
34	355.63	207.17	205.49	207.11	209.75
34	608.47	189.43	185.43	187.0	205.67
34	52.4	177.88	671.54	197.2	196.08
34	52.66	312.57	320.03	343.63	316.19
34	138.13	495.02	487.95	497.88	495.6
35	3600.0	3600.0	3600.0	3600.0	3600.0
35	3600.0	3600.0	3600.0	3600.0	3600.0
35	3600.0	3600.0	3600.0	3600.0	3600.0
35	3600.0	3600.0	3600.0	3600.0	3600.0
35	3600.0	3600.0	3600.0	3600.0	3600.0
36	3600.0	3600.0	3600.0	3600.0	3600.0
36	3600.0	3600.0	3600.0	3600.0	3600.0
36	3600.0	3600.0	1233.87	3600.0	3600.0
36	3600.0	3600.0	3600.0	3600.0	3600.0
36	3600.0	3600.0	3600.0	3600.0	3600.0
37	3600.0	3600.0	3600.0	3600.0	3600.0
37	3600.0	3600.0	3600.0	3600.0	3600.0
37	3600.0	3600.0	3600.0	3600.0	3600.0
37	3600.0	3600.0	3600.0	3600.0	3600.0
37	3600.0	3600.0	3600.0	3600.0	3600.0
38	3600.0	3600.0	3600.0	3600.0	3600.0
38	3600.0	3600.0	3600.0	3600.0	3600.0
38	3600.0	3600.0	3600.0	3600.0	3600.0
38	3600.0	3600.0	3600.0	3600.0	3600.0
38	3600.0	3600.0	3600.0	3600.0	3600.0
39	3600.0	3600.0	3600.0	3600.0	3600.0
39	3600.0	3600.0	3600.0	3600.0	3600.0
39	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
39	3600.0	3600.0	3600.0	3600.0	3600.0
39	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
40	3600.0	3600.0	3600.0	3600.0	3600.0
41	3600.0	3600.0	3600.0	3600.0	3600.0
41	3600.0	3600.0	3600.0	3600.0	2148.85
41	3600.0	3600.0	3600.0	3600.0	3600.0
41	3600.0	3600.0	3600.0	3600.0	2233.39
41	3600.0	3600.0	3600.0	3600.0	3600.0
42	3600.0	2819.3	2790.41	3600.0	2860.5
42	3600.0	3392.78	1649.62	1951.38	2414.57
42	1530.07	3600.0	1829.04	3232.84	2869.8
42	2880.01	3600.0	3600.0	3600.0	1802.71
42	3600.0	3600.0	1324.89	3600.0	3600.0
43	3600.0	3600.0	3600.0	3600.0	3600.0
43	3600.0	3600.0	3600.0	3600.0	3600.0
43	3600.0	3600.0	3600.0	3600.0	3600.0
43	3600.0	3600.0	3600.0	3600.0	3600.0
43	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
44	3600.0	3600.0	3600.0	3600.0	3600.0
45	3600.0	3600.0	3600.0	3600.0	3600.0
45	3600.0	3600.0	3600.0	3600.0	3600.0
45	3600.0	3600.0	3600.0	3600.0	3600.0
45	3600.0	3600.0	3600.0	3600.0	3600.0
45	3600.0	3600.0	3600.0	3600.0	3600.0
46	3600.0	3600.0	3600.0	3600.0	3600.0
46	3600.0	3600.0	3600.0	3600.0	3600.0
46	3600.0	3600.0	3600.0	3600.0	3600.0
46	3600.0	3600.0	3600.0	3600.0	3600.0
46	3600.0	3600.0	3600.0	3600.0	3600.0
47	3600.0	3600.0	3600.0	3600.0	3600.0
47	3600.0	3600.0	3600.0	3600.0	3600.0
47	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
47	3600.0	3600.0	3600.0	3600.0	3600.0
47	3600.0	3600.0	3600.0	3600.0	3600.0
48	3600.0	3600.0	3600.0	1195.44	312.7
48	3600.0	3600.0	3600.0	1267.88	362.25
48	3600.0	3600.0	3600.0	1675.09	541.4
48	3600.0	3600.0	3600.0	1806.62	1454.16
48	3600.0	3600.0	3600.0	848.88	496.62
49	3600.0	1706.02	2361.79	1151.96	1159.02
49	3600.0	2107.83	2110.37	1180.85	1875.54
49	3600.0	2120.92	1879.24	856.48	1126.06
49	3600.0	1623.26	3545.96	898.26	1026.61
49	3600.0	2224.11	2501.39	675.69	1599.95
50	3600.0	3600.0	3600.0	3600.0	3600.0
50	3600.0	3600.0	3600.0	3600.0	3600.0
50	3600.0	3600.0	3600.0	3600.0	3600.0
50	3600.0	3600.0	3600.0	3600.0	3600.0
50	3600.0	3600.0	3600.0	3600.0	3600.0
51	3600.0	3600.0	3600.0	3600.0	3600.0
51	3600.0	3600.0	3600.0	3600.0	3600.0
51	3600.0	3600.0	3600.0	3600.0	3600.0
51	3600.0	3600.0	3600.0	3600.0	3600.0
51	3600.0	3600.0	3600.0	3600.0	3600.0
52	3600.0	3600.0	3600.0	3600.0	3600.0
52	3600.0	3600.0	3600.0	3600.0	3600.0
52	3600.0	3600.0	3600.0	3600.0	3600.0
52	3600.0	3600.0	3600.0	3600.0	3600.0
52	3600.0	3600.0	3600.0	3600.0	3600.0
53	1079.75	1666.67	3130.07	3586.73	3600.0
53	1592.06	1001.95	3128.81	2402.43	3600.0
53	1590.06	837.38	1180.71	3440.4	3600.0
53	1106.21	906.87	1330.55	2576.53	3600.0
53	955.67	634.38	1905.53	2858.54	3600.0
54	149.34	105.03	342.48	93.97	85.41
54	352.89	100.43	112.82	95.78	82.9
54	294.35	360.83	98.97	94.39	78.01
54	98.55	111.64	117.06	94.66	82.65
54	131.74	126.62	94.28	88.98	72.92
55	3600.0	3600.0	3600.0	3600.0	3600.0
55	3600.0	3600.0	3600.0	3600.0	3600.0
55	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
55	3600.0	3600.0	3600.0	3600.0	3600.0
55	3600.0	3600.0	3600.0	3600.0	3600.0
56	574.45	538.65	665.16	1004.43	1086.31
56	658.17	1507.14	828.86	787.95	389.9
56	570.46	543.84	735.13	822.8	291.48
56	536.21	407.32	674.99	699.85	365.52
56	575.39	499.64	781.23	881.88	296.48
57	3600.0	3600.0	3600.0	3600.0	3600.0
57	3600.0	3600.0	3600.0	3600.0	3600.0
57	3600.0	3600.0	3600.0	3600.0	3600.0
57	3600.0	3600.0	3600.0	3600.0	3600.0
57	3600.0	3600.0	3600.0	3600.0	3600.0
58	3600.0	2970.87	1471.56	220.84	262.57
58	3600.0	3600.0	1137.46	319.05	336.68
58	3600.0	3222.69	1232.19	255.91	277.25
58	3600.0	3600.0	811.49	428.45	229.02
58	3600.0	3600.0	972.06	347.78	244.73
59	3600.0	3600.0	3600.0	3600.0	3600.0
59	3600.0	3600.0	3600.0	3600.0	3600.0
59	3600.0	3600.0	3600.0	3600.0	3600.0
59	3600.0	3600.0	3600.0	3600.0	3600.0
59	3600.0	3600.0	3600.0	3600.0	3600.0
60	3600.0	3600.0	3600.0	3600.0	3600.0
60	3600.0	3600.0	3600.0	3600.0	3600.0
60	3600.0	3600.0	3600.0	3600.0	3600.0
60	3600.0	3600.0	3600.0	3600.0	3600.0
60	3600.0	3600.0	3600.0	3600.0	3134.42
61	1233.96	1200.05	1273.0	1145.07	1292.82
61	1498.46	1665.56	1608.65	1581.58	1531.08
61	2451.39	2013.8	2256.68	2206.5	2535.13
61	2043.04	1841.29	3600.0	1765.8	1845.69
61	3517.22	1075.83	1047.03	1068.65	1128.94
62	436.78	146.2	96.68	30.34	89.96
62	60.21	275.74	93.8	93.98	15.86
62	75.93	104.26	185.77	33.02	27.69
62	96.49	198.2	241.7	102.98	14.18
62	96.0	242.43	227.86	131.19	27.01
63	3600.0	3600.0	3600.0	3600.0	3600.0
63	3600.0	3600.0	3600.0	3600.0	3600.0
63	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
63	3600.0	3600.0	3600.0	3600.0	3600.0
63	3600.0	3600.0	3600.0	3600.0	3600.0
64	1972.65	3399.45	3580.59	3463.03	3331.98
64	3600.0	2317.67	2341.17	2571.23	3600.0
64	1506.06	649.2	669.42	703.78	3600.0
64	1029.24	966.68	1052.95	1042.17	1733.12
64	3600.0	1489.16	1401.1	1465.24	1845.27
65	3600.0	3600.0	3600.0	3600.0	3600.0
65	3600.0	3600.0	3600.0	3600.0	3600.0
65	3600.0	3600.0	3600.0	3600.0	3600.0
65	3600.0	3600.0	3600.0	3600.0	3600.0
65	3600.0	3600.0	3600.0	3600.0	3600.0
65	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
66	3600.0	3600.0	3600.0	3600.0	3600.0
67	293.71	326.71	229.85	355.16	318.06
67	309.01	225.76	293.15	1106.97	350.18
67	318.08	826.23	233.64	326.43	266.87
67	242.66	307.34	290.54	239.13	573.5
67	451.49	345.42	262.38	295.62	296.23
68	3600.0	3600.0	3600.0	3600.0	3600.0
68	3600.0	3600.0	3600.0	3600.0	3600.0
68	3600.0	3600.0	3600.0	3600.0	3600.0
68	3600.0	3600.0	3600.0	3600.0	3600.0
68	3600.0	3600.0	3600.0	3600.0	3600.0
68	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
69	3600.0	3600.0	3600.0	3600.0	3600.0
70	1445.24	1541.03	1296.52	1180.43	905.02
70	3600.0	2480.67	1526.47	1515.56	1210.53
70	1289.21	1496.34	1577.55	1671.2	1240.02
70	1258.27	1477.16	1381.56	1223.42	1184.61
70	879.33	1539.92	1525.47	3600.0	1091.31
71	3189.55	877.33	1285.89	176.71	120.53
71	2037.01	1627.85	533.61	287.96	91.24
71	2240.46	879.25	408.19	213.57	117.14

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
71	2758.9	1313.24	475.47	282.53	83.31
71	1988.47	857.51	485.63	232.97	300.98
72	0.02	0.02	0.02	0.01	0.01
72	0.01	0.02	0.01	0.01	0.02
72	0.01	0.01	0.01	0.01	0.01
72	0.03	0.02	0.01	0.02	0.01
72	0.03	0.03	0.01	0.01	0.01
73	0.03	0.03	0.03	0.02	0.1
73	0.03	0.03	0.03	0.02	0.11
73	0.03	0.03	0.02	0.02	0.08
73	0.09	0.03	0.03	0.02	0.02
73	0.11	0.03	0.02	0.03	0.04
74	7.32	2.05	2.27	2.24	2.46
74	2.72	2.58	3.02	2.88	2.87
74	2.64	2.68	3.02	3.14	2.69
74	2.21	2.15	2.77	2.35	2.72
74	2.26	2.07	2.1	2.25	2.54
75	0.01	0.01	0.01	0.0	0.0
75	0.01	0.01	0.0	0.01	0.0
75	0.01	0.01	0.0	0.0	0.01
75	0.01	0.01	0.01	0.0	0.01
75	0.01	0.0	0.0	0.01	0.01
76	0.01	0.02	0.01	0.01	0.02
76	0.01	0.01	0.01	0.01	0.02
76	0.01	0.02	0.01	0.01	0.01
76	0.01	0.01	0.01	0.01	0.01
76	0.02	0.01	0.01	0.01	0.01
77	0.05	0.02	0.03	0.09	0.01
77	0.05	0.02	0.02	0.04	0.01
77	0.06	0.02	0.06	0.04	0.02
77	0.05	0.03	0.06	0.02	0.02
77	0.2	0.02	0.03	0.04	0.01
78	3600.0	3600.0	3600.0	3600.0	3600.0
78	3600.0	3600.0	3600.0	3600.0	3600.0
78	3600.0	3600.0	3600.0	3600.0	3600.0
78	3600.0	3600.0	3600.0	3600.0	3600.0
78	3600.0	3600.0	3600.0	3600.0	3600.0
79	265.77	198.53	749.8	120.8	199.54
79	263.5	376.78	620.98	860.51	280.02
79	195.06	293.23	314.39	437.49	210.53

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
79	280.01	169.54	563.54	265.14	99.75
79	122.88	129.31	140.7	124.41	119.5
80	47.72	70.36	86.09	68.03	146.07
80	76.79	76.52	74.29	94.1	57.74
80	68.22	72.39	235.13	67.59	102.85
80	45.31	72.19	86.59	64.3	112.2
80	84.36	79.16	80.5	64.78	95.35
81	72.91	90.49	96.35	86.94	58.68
81	73.19	79.67	114.23	87.39	63.56
81	272.99	90.4	81.59	92.9	52.57
81	251.59	277.86	74.69	85.13	61.45
81	83.23	90.92	104.49	81.62	62.12
82	3600.0	3600.0	3600.0	3600.0	3600.0
82	3600.0	3600.0	3600.0	3600.0	3600.0
82	3600.0	3600.0	3600.0	3600.0	3600.0
82	3600.0	3600.0	3600.0	3600.0	3600.0
82	3600.0	3600.0	3600.0	3600.0	3600.0
83	3600.0	3600.0	3600.0	3600.0	3600.0
83	3600.0	3600.0	3600.0	3600.0	3600.0
83	3600.0	3600.0	3600.0	3600.0	3600.0
83	3600.0	3600.0	3600.0	3600.0	3600.0
83	3600.0	3600.0	3600.0	3600.0	3600.0
84	3600.0	3600.0	3600.0	3600.0	3600.0
84	3600.0	3600.0	3600.0	3600.0	3600.0
84	3600.0	3600.0	3600.0	3600.0	3600.0
84	3600.0	3600.0	3600.0	3600.0	3600.0
84	3600.0	3600.0	3600.0	3600.0	3600.0
85	805.35	1148.58	1200.6	1225.86	1243.54
85	1052.52	548.29	963.71	799.07	955.48
85	427.13	658.01	696.21	395.98	1784.75
85	484.92	1211.58	1086.28	460.15	703.99
85	385.5	787.08	865.25	587.61	1577.97
86	0.13	0.18	0.19	0.12	0.12
86	0.13	0.22	0.19	0.11	0.12
86	0.13	0.18	0.18	0.11	0.12
86	0.13	0.17	0.17	0.12	0.12
86	0.13	0.18	0.18	0.12	0.12
87	0.19	0.2	0.19	0.66	0.19
87	0.21	0.18	0.18	0.19	0.2
87	0.16	0.16	0.15	0.17	0.55

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
87	0.18	0.19	0.19	0.19	0.2
87	0.19	0.19	0.18	0.2	0.19
88	0.43	0.36	0.36	0.37	0.38
88	0.38	0.36	0.36	0.38	0.39
88	0.39	0.36	0.37	1.32	0.37
88	0.37	1.35	0.38	0.39	0.38
88	0.38	0.44	0.36	0.37	0.38
89	1.09	1.04	1.02	1.04	1.07
89	1.4	1.34	1.31	1.44	4.55
89	1.12	3.79	3.82	1.08	1.07
89	3.8	1.21	3.78	1.05	1.11
89	3.74	1.01	1.14	1.04	1.03
90	0.07	0.08	0.09	0.08	0.08
90	0.07	0.07	0.07	0.07	0.08
90	0.08	0.08	0.08	0.31	0.09
90	0.07	0.02	0.09	0.07	0.07
90	0.07	0.07	0.07	0.07	0.07
91	0.67	0.5	0.53	0.5	1.63
91	1.84	0.65	0.54	0.52	0.5
91	1.79	0.61	0.51	0.54	0.56
91	0.61	0.53	0.59	0.63	0.55
91	0.51	0.59	0.63	0.61	0.56
92	6.18	5.07	4.47	5.05	4.93
92	5.39	4.74	4.53	5.4	5.0
92	6.2	5.12	4.47	4.86	5.45
92	5.14	4.85	4.58	5.04	5.17
92	5.24	5.3	4.65	4.65	5.08
93	0.03	0.04	0.04	0.11	0.04
93	0.11	0.03	0.03	0.04	0.04
93	0.11	0.03	0.03	0.03	0.03
93	0.03	0.03	0.03	0.09	0.05
93	0.05	0.03	0.05	0.09	0.17
94	40.46	35.34	38.82	37.34	39.76
94	40.0	39.48	35.91	39.29	40.52
94	39.95	35.93	37.3	42.71	38.2
94	39.26	39.77	34.07	36.51	42.11
94	35.34	38.72	33.59	35.72	43.28
95	3600.0	3600.0	3600.0	3600.0	3600.0
95	3600.0	3600.0	3600.0	3600.0	3600.0
95	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
95	3600.0	3600.0	3600.0	3600.0	3600.0
95	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
96	3600.0	3600.0	3600.0	3600.0	3600.0
97	3600.0	3600.0	3600.0	3600.0	3600.0
97	3600.0	3600.0	3600.0	3600.0	3600.0
97	3600.0	3600.0	3600.0	3600.0	3600.0
97	3600.0	3600.0	3600.0	3600.0	3600.0
97	3600.0	3600.0	3600.0	3600.0	3600.0
98	3600.0	3600.0	3600.0	3600.0	3600.0
98	3600.0	3600.0	3600.0	3600.0	3600.0
98	3600.0	3600.0	3600.0	3600.0	3600.0
98	3600.0	3600.0	3600.0	3600.0	3600.0
98	3600.0	3600.0	3600.0	3600.0	3600.0
99	0.02	0.02	0.02	0.02	0.01
99	0.01	0.02	0.02	0.01	0.01
99	0.01	0.01	0.01	0.01	0.01
99	0.01	0.01	0.01	0.01	0.01
99	0.01	0.03	0.01	0.01	0.01
100	0.03	0.02	0.02	0.08	0.03
100	0.03	0.03	0.03	0.03	0.03
100	0.02	0.03	0.03	0.03	0.03
100	0.03	0.02	0.03	0.03	0.03
100	0.03	0.03	0.03	0.02	0.04
101	0.05	0.05	0.04	0.05	0.05
101	0.05	0.05	0.05	0.05	0.05
101	0.06	0.05	0.05	0.05	0.05
101	0.05	0.17	0.05	0.16	0.07
101	0.05	0.05	0.05	0.05	0.05
102	0.07	0.06	0.06	0.06	0.06
102	0.08	0.06	0.07	0.07	0.07
102	0.08	0.06	0.06	0.07	0.23
102	0.07	0.07	0.07	0.06	0.06
102	0.07	0.06	0.06	0.06	0.07
103	0.04	0.04	0.04	0.04	0.04
103	0.04	0.04	0.04	0.04	0.04
103	0.04	0.04	0.04	0.13	0.04

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
103	0.04	0.04	0.05	0.05	0.05
103	0.04	0.04	0.14	0.06	0.04
104	0.23	0.19	0.19	0.19	0.22
104	0.2	0.21	0.2	0.18	0.24
104	0.2	0.21	0.22	0.23	0.22
104	0.18	0.19	0.18	0.22	0.22
104	0.21	0.22	0.21	0.21	0.22
105	0.19	0.14	0.2	0.17	0.19
105	0.18	0.14	0.17	0.16	0.2
105	0.18	0.15	0.18	0.15	0.2
105	0.18	0.13	0.17	0.16	0.62
105	0.19	0.14	0.19	0.53	0.2
106	2.25	1.99	2.04	1.63	2.08
106	2.23	6.25	1.97	1.86	1.99
106	2.18	1.98	1.91	1.93	2.17
106	2.08	1.86	1.71	1.76	1.83
106	1.99	2.04	2.01	1.71	1.75
107	16.45	16.8	11.25	11.07	2.22
107	17.78	13.6	11.8	10.59	8.46
107	22.11	68.0	18.81	11.22	2.19
107	14.99	13.96	9.68	9.11	2.16
107	22.85	17.31	9.46	15.09	2.2
108	23.25	54.93	14.95	5.39	2.42
108	20.74	17.38	14.72	20.99	2.55
108	25.77	18.35	15.24	9.55	2.5
108	26.92	15.15	15.18	7.62	2.63
108	26.63	15.43	10.82	16.38	2.29
109	35.44	38.68	33.83	44.58	35.02
109	33.17	96.1	30.06	37.9	33.88
109	38.56	32.1	30.8	35.26	32.64
109	38.06	32.42	32.28	98.89	32.49
109	35.28	33.02	35.15	39.17	36.36
110	0.28	0.2	0.19	0.22	0.1
110	0.19	0.47	0.37	0.12	0.16
110	0.09	0.1	0.22	0.16	0.11
110	0.14	0.1	0.12	0.11	0.14
110	0.1	0.09	0.1	0.12	0.09
111	0.01	0.01	0.01	0.0	0.0
111	0.0	0.01	0.01	0.01	0.0
111	0.01	0.0	0.01	0.01	0.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
111	0.0	0.0	0.0	0.01	0.0
111	0.01	0.01	0.01	0.01	0.01
112	1.07	1.07	1.1	4.03	4.17
112	1.03	1.22	1.29	5.35	15.38
112	1.09	1.18	1.27	4.09	4.37
112	1.04	1.15	1.15	5.23	4.8
112	1.16	1.13	1.17	3.9	15.5
113	0.12	0.13	0.13	0.14	0.12
113	0.14	0.13	0.14	0.13	0.14
113	0.14	0.14	0.13	0.13	0.4
113	0.13	0.13	0.13	0.13	0.14
113	0.13	0.13	0.14	0.13	0.13
114	0.08	0.56	0.48	0.33	0.25
114	0.37	0.54	0.51	0.34	0.25
114	0.37	0.49	0.49	0.32	0.23
114	0.4	0.48	0.46	0.38	0.23
114	0.37	0.55	0.51	0.48	0.23
115	43.44	50.56	45.46	126.1	44.51
115	39.51	34.97	110.94	40.54	37.54
115	40.43	33.58	37.85	39.11	39.24
115	44.04	42.2	37.02	43.05	39.26
115	43.19	44.5	36.48	43.29	42.62
116	35.81	36.77	35.21	33.85	34.79
116	32.41	28.83	28.23	32.34	39.78
116	33.75	32.36	34.56	32.89	44.21
116	35.08	33.01	97.36	34.09	34.69
116	34.85	94.14	29.16	44.21	33.08
117	35.58	34.34	32.25	35.99	39.92
117	39.95	31.23	33.38	31.09	32.58
117	37.76	32.39	35.2	37.81	36.01
117	32.65	34.19	34.59	30.96	38.16
117	36.85	66.41	35.84	39.38	41.49
118	40.82	66.33	33.8	38.97	34.45
118	38.98	34.62	31.95	38.21	36.52
118	33.43	36.41	30.83	34.82	34.46
118	34.46	34.67	36.36	30.86	31.82
118	36.79	35.15	33.93	36.36	37.37
119	3600.0	3600.0	3600.0	3600.0	3600.0
119	3600.0	3600.0	3600.0	3600.0	3600.0
119	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
119	3600.0	3600.0	3600.0	3600.0	3600.0
119	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
120	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
121	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
122	3600.0	3600.0	3600.0	3600.0	3600.0
123	3600.0	3600.0	3600.0	3600.0	3600.0
123	3600.0	3600.0	3600.0	3600.0	3600.0
123	3600.0	3600.0	3600.0	3600.0	3600.0
123	3600.0	3600.0	3600.0	3600.0	3600.0
123	3600.0	3600.0	3600.0	3600.0	3600.0
124	3600.0	3600.0	3600.0	3600.0	3600.0
124	3600.0	3600.0	3600.0	3600.0	3600.0
124	3600.0	3600.0	3600.0	3600.0	3600.0
124	3600.0	3600.0	3600.0	3600.0	3600.0
124	3600.0	3600.0	3600.0	3600.0	3600.0
125	26.58	16.81	26.4	22.31	11.86
125	20.35	25.0	9.5	20.61	12.54
125	67.72	22.81	22.86	19.89	20.79
125	18.34	20.71	10.17	19.88	18.53
125	19.49	14.98	21.71	21.02	15.04
126	30.8	29.33	41.51	26.32	12.12
126	43.71	13.07	45.44	67.03	11.17
126	51.73	36.21	34.16	56.85	28.31
126	43.34	37.13	62.15	20.15	26.72
126	44.29	44.28	35.88	25.77	22.35
127	20.58	12.74	6.21	16.97	20.18
127	11.04	6.47	11.8	10.46	10.26
127	16.76	4.94	12.47	5.61	11.04

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
127	17.01	10.78	7.02	20.99	11.71
127	10.08	15.93	15.75	15.56	11.65
128	1437.02	468.46	310.47	365.94	356.25
128	983.07	661.99	306.15	423.29	379.37
128	394.68	550.81	295.08	925.96	373.78
128	412.73	889.57	263.39	413.79	462.36
128	278.81	344.9	299.73	419.52	333.71
129	685.82	1056.35	1646.41	3600.0	1050.88
129	2157.05	820.19	764.44	771.26	816.06
129	703.84	869.31	535.06	1790.68	631.04
129	717.45	855.29	1154.68	623.34	1985.27
129	1362.53	2641.05	559.17	1169.74	1142.01
130	3600.0	3600.0	3600.0	3600.0	3600.0
130	3600.0	3600.0	3600.0	3194.96	3600.0
130	3600.0	3600.0	3600.0	3600.0	3161.48
130	3600.0	3600.0	3600.0	3600.0	3600.0
130	3600.0	3600.0	3600.0	1754.03	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
131	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
132	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
133	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
134	3600.0	3600.0	3600.0	3600.0	3600.0
135	527.27	241.55	199.6	1127.74	332.61
135	425.32	215.83	257.08	1851.43	374.53
135	502.79	245.93	311.79	1462.71	407.24

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
135	528.79	380.8	423.51	369.06	504.68
135	277.55	322.38	378.46	366.63	482.31
136	527.48	973.36	696.18	2766.58	477.47
136	176.45	261.89	375.97	401.03	352.3
136	238.78	324.8	414.29	577.6	471.54
136	344.38	574.8	526.44	495.7	589.94
136	550.08	209.17	502.13	333.05	491.9
137	3600.0	3600.0	3600.0	3600.0	3600.0
137	3600.0	3600.0	3600.0	3600.0	3600.0
137	3600.0	3600.0	3600.0	3600.0	3600.0
137	3600.0	3600.0	3600.0	3600.0	3600.0
137	3600.0	3600.0	3600.0	3600.0	3600.0
138	3600.0	3600.0	3600.0	3600.0	3600.0
138	3600.0	3600.0	3600.0	3600.0	3600.0
138	3600.0	3600.0	3600.0	3600.0	3600.0
138	3600.0	3600.0	3600.0	3600.0	3600.0
138	3600.0	3600.0	3600.0	3600.0	3600.0
139	3600.0	3600.0	3600.0	3600.0	3600.0
139	3600.0	3600.0	3600.0	3600.0	3600.0
139	3600.0	3600.0	3600.0	3600.0	3600.0
139	3600.0	3600.0	3600.0	3600.0	3600.0
139	3600.0	3600.0	3600.0	3600.0	3600.0
140	3600.0	3600.0	3600.0	3600.0	3600.0
140	3600.0	3600.0	3600.0	3600.0	3600.0
140	3600.0	3600.0	3600.0	3600.0	3600.0
140	3600.0	3600.0	3600.0	3600.0	3600.0
140	3600.0	3600.0	3600.0	3600.0	3600.0
141	3600.0	3600.0	3600.0	3600.0	3600.0
141	3600.0	3600.0	3600.0	3600.0	3600.0
141	3600.0	3600.0	3600.0	3600.0	3600.0
141	3600.0	3600.0	3600.0	3600.0	3600.0
141	3600.0	3600.0	3600.0	3600.0	3600.0
142	3600.0	3600.0	3600.0	3600.0	3600.0
142	3600.0	3600.0	3600.0	3600.0	3600.0
142	3600.0	3600.0	3600.0	3600.0	3600.0
142	3600.0	3600.0	3600.0	3600.0	3600.0
142	3600.0	3600.0	3600.0	3600.0	3600.0
143	3600.0	3600.0	3600.0	3600.0	3600.0
143	3600.0	3600.0	3600.0	3600.0	3600.0
143	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
143	3600.0	3600.0	3600.0	3600.0	3600.0
143	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
144	3600.0	3600.0	3600.0	3600.0	3600.0
145	3600.0	3600.0	3600.0	3600.0	3600.0
145	3600.0	3600.0	3600.0	3600.0	3600.0
145	3600.0	3600.0	3600.0	3600.0	3600.0
145	3600.0	3600.0	3600.0	3600.0	3600.0
145	3600.0	3600.0	3600.0	3600.0	3600.0
146	815.29	1223.33	754.3	536.87	1683.42
146	1858.4	1305.45	1784.93	925.93	1359.51
146	1236.55	819.38	1265.39	877.39	1686.49
146	1127.55	579.41	1185.44	812.16	687.14
146	1005.49	728.73	1232.15	879.86	1018.54
147	1565.78	735.75	3200.79	3600.0	1003.96
147	1001.54	925.73	2858.38	955.09	1061.48
147	706.19	559.91	974.41	861.7	879.16
147	936.97	1227.45	721.38	865.18	867.71
147	1243.59	825.45	931.85	1047.04	598.75
148	1065.98	868.11	1813.53	967.45	1429.87
148	1490.82	1029.71	3600.0	1375.68	1496.81
148	918.68	2250.89	921.98	822.37	661.72
148	1650.84	1334.92	1166.08	1733.29	892.78
148	1697.67	1259.04	757.02	1856.79	812.44
149	3600.0	3600.0	2962.73	3600.0	3053.09
149	3102.56	3600.0	3252.97	3600.0	2597.52
149	3600.0	3600.0	3600.0	3600.0	3600.0
149	3600.0	3600.0	3600.0	3600.0	3600.0
149	3600.0	3600.0	3600.0	3600.0	3600.0
149	3600.0	3600.0	3600.0	2402.98	3600.0
150	3600.0	3600.0	3600.0	3590.66	3600.0
150	3600.0	3600.0	3600.0	3600.0	3600.0
150	3600.0	3600.0	3600.0	3600.0	3600.0
150	3600.0	3600.0	3600.0	3600.0	3600.0
150	3600.0	3600.0	3600.0	3600.0	3600.0
150	3505.69	3600.0	3600.0	3600.0	3600.0
151	3600.0	3600.0	3600.0	3600.0	3600.0
151	3600.0	3600.0	3600.0	3600.0	3600.0
151	3600.0	3600.0	3600.0	3600.0	3600.0

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
151	3600.0	3600.0	3600.0	3600.0	3600.0
151	3600.0	3600.0	3600.0	3600.0	3600.0
152	35.59	52.58	41.79	39.79	53.16
152	33.22	27.62	38.87	38.89	64.45
152	32.11	35.85	36.14	25.28	41.98
152	32.4	47.25	49.84	126.1	56.05
152	25.67	39.42	51.03	33.98	60.43
153	0.12	0.23	0.1	0.35	0.24
153	0.12	0.19	0.09	0.29	0.29
153	0.12	0.21	0.09	0.39	1.03
153	0.13	0.21	0.29	0.35	0.34
153	0.13	0.21	0.09	0.38	0.27
154	3600.0	3600.0	3600.0	3600.0	3600.0
154	3600.0	3600.0	3600.0	3600.0	3600.0
154	3600.0	3600.0	3600.0	3600.0	3600.0
154	3600.0	3600.0	3600.0	3600.0	3600.0
154	3600.0	3600.0	3600.0	3600.0	3600.0
155	3600.0	3600.0	3600.0	3600.0	3600.0
155	3600.0	3600.0	3600.0	3600.0	3600.0
155	3600.0	3600.0	3600.0	3600.0	3600.0
155	3600.0	3600.0	3600.0	3600.0	3600.0
155	3600.0	3600.0	3600.0	3600.0	3600.0
156	3600.0	299.37	227.76	125.82	91.92
156	3600.0	591.7	147.93	124.55	123.24
156	3600.0	242.76	117.23	139.23	349.78
156	3600.0	284.42	110.16	150.91	123.43
156	1269.14	233.23	205.92	143.04	62.59
157	35.15	38.2	37.23	34.52	40.97
157	34.61	33.8	35.93	35.69	37.27
157	44.12	56.73	35.08	35.8	38.44
157	35.9	38.21	33.34	42.94	38.49
157	39.86	52.35	40.99	38.56	39.33
158	0.2	0.22	0.23	0.24	0.24
158	0.21	0.21	0.23	0.22	0.22
158	0.25	0.22	0.22	0.19	0.23
158	0.2	0.26	0.22	0.21	0.22
158	0.21	0.23	0.22	0.22	0.24
159	0.21	0.24	0.23	0.2	0.22
159	0.21	0.24	0.23	0.2	0.24
159	0.21	0.28	0.2	0.2	0.21

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Table 1 – *Continued from previous page*

Name	original	( $\ell = 5$ )	( $\ell = 4$ )	( $\ell = 3$ )	( $\ell = 2$ )
	time	time	time	time	time
159	0.22	0.26	0.24	0.22	0.24
159	0.24	0.26	0.23	0.26	0.23
160	0.23	0.23	0.28	0.25	0.3
160	0.26	0.22	0.28	0.27	0.24
160	0.24	0.27	0.26	0.24	0.26
160	0.26	0.23	0.25	0.23	0.25
160	0.25	0.28	0.26	0.25	0.27
161	2.8	2.34	2.22	1.75	1.97
161	1.82	2.32	2.06	1.74	2.38
161	6.32	2.44	2.09	2.33	2.25
161	6.68	2.19	2.08	1.75	2.08
161	1.82	2.39	2.02	2.19	1.97
162	3600.0	3600.0	3600.0	3600.0	3600.0
162	3600.0	3600.0	3600.0	3600.0	3600.0
162	3600.0	3600.0	3600.0	3600.0	3600.0
162	3600.0	3600.0	3600.0	3600.0	3600.0
162	3600.0	3600.0	3600.0	3600.0	3600.0
163	0.04	0.04	0.04	0.03	0.04
163	0.04	0.03	0.05	0.12	0.04
163	0.05	0.05	0.05	0.05	0.07
163	0.03	0.03	0.03	0.03	0.03
163	0.05	0.05	0.04	0.04	0.05
164	0.16	0.05	0.05	0.05	0.05
164	0.05	0.16	0.05	0.04	0.05
164	0.05	0.05	0.05	0.05	0.05
164	0.05	0.05	0.04	0.06	0.05
164	0.04	0.04	0.04	0.04	0.06
165	0.61	0.58	0.63	0.6	1.98
165	0.62	0.56	0.57	0.59	0.66
165	0.53	0.55	0.56	0.52	2.02
165	0.75	0.63	0.63	0.68	0.61
165	0.57	2.25	0.65	0.64	0.6
166	2.19	2.26	2.19	2.2	2.04
166	1.81	2.13	1.77	3.03	2.74
166	2.06	2.81	2.01	2.02	1.81
166	2.01	3.6	2.22	2.48	1.89
166	1.96	1.98	2.0	1.98	2.14
167	0.1	0.13	0.14	0.13	0.13
167	0.11	0.37	0.16	0.17	0.12
167	0.13	0.17	0.15	0.17	0.14

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Table 1 – *Continued from previous page*

Name	original	$(\ell = 5)$	$(\ell = 4)$	$(\ell = 3)$	$(\ell = 2)$
	time	time	time	time	time
167	0.1	0.11	0.15	0.13	0.15
167	0.1	0.16	0.13	0.12	0.16
168	3600.0	3600.0	3600.0	3600.0	3600.0
168	3600.0	3600.0	3600.0	3600.0	3600.0
168	3600.0	3600.0	3600.0	3600.0	3600.0
168	3600.0	3600.0	3600.0	3600.0	3600.0
168	3600.0	3600.0	3600.0	3600.0	3600.0
169	354.59	375.62	182.02	243.55	59.72
169	89.91	144.88	165.63	240.1	486.83
169	625.17	168.58	525.63	79.52	257.18
169	161.06	172.61	156.23	142.27	267.81
169	537.73	430.01	191.35	114.4	197.28