

Table 1: OR-Tools CP-SAT no symmetry CFLP instances

Name	original	$(\ell = 5)$	$(\ell = 4)$	$(\ell = 3)$	$(\ell = 2)$
	time	time	time	time	time
200	16.18	33.06	32.89	40.2	73.98
200	18.75	29.49	41.5	90.03	68.85
200	20.47	30.18	36.11	84.12	71.59
200	20.33	30.61	49.22	81.22	27.12
200	18.19	42.27	53.87	29.45	24.56
201	3600.0	3600.0	3600.0	3600.0	77.46
201	3600.0	3600.0	3600.0	3600.0	64.72
201	3600.0	3600.0	3600.0	3600.0	110.7
201	3600.0	3600.0	3600.0	3600.0	45.53
201	3600.0	3600.0	3600.0	3600.0	45.95
202	3600.0	3600.0	3600.0	3600.0	52.45
202	3600.0	3600.0	3600.0	3600.0	72.04
202	3600.0	3600.0	3600.0	3600.0	45.96
202	3600.0	3600.0	3600.0	3600.0	92.89
202	3600.0	3600.0	3600.0	3600.0	104.43
203	3600.0	3600.0	3600.0	3600.0	25.43
203	3600.0	3600.0	3600.0	3600.0	23.01
203	3600.0	3600.0	3600.0	3600.0	26.9
203	3600.0	3600.0	3600.0	3600.0	18.28
203	3600.0	3600.0	3600.0	3600.0	26.78
204	3600.0	3600.0	3600.0	2283.36	142.9
204	3600.0	3600.0	3600.0	3600.0	395.53
204	3600.0	3600.0	3600.0	3600.0	173.18
204	3600.0	3600.0	3600.0	2719.86	318.88
204	3600.0	3600.0	3600.0	3600.0	205.68
205	1201.6	3600.0	342.8	173.67	17.87
205	2050.41	2151.26	2723.1	175.69	52.67
205	1950.41	3600.0	177.37	377.65	75.06
205	3600.0	1770.18	385.97	214.2	47.23
205	3266.23	2012.93	364.36	208.6	14.01
206	3600.0	3600.0	3600.0	1717.08	58.39
206	3600.0	3600.0	3600.0	3600.0	55.14
206	3600.0	3600.0	3600.0	463.34	37.03
206	3600.0	3600.0	3600.0	3600.0	27.37
206	3600.0	3600.0	3600.0	910.91	25.89
207	3600.0	3600.0	3600.0	3600.0	1.66
207	3600.0	3600.0	3600.0	3600.0	2.03
207	3600.0	3600.0	3600.0	3600.0	1.7

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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
207	3600.0	3600.0	3600.0	3600.0	2.03
207	3600.0	3600.0	3600.0	3600.0	4.98
208	51.06	66.62	133.19	76.38	140.58
208	51.5	117.31	99.48	81.0	51.78
208	43.58	99.69	308.25	81.56	55.13
208	85.7	81.35	133.18	77.25	51.34
208	90.41	81.35	169.92	85.49	52.35
209	136.63	108.81	148.2	114.82	75.99
209	150.06	242.72	568.78	54.48	61.93
209	145.25	146.84	123.7	65.39	66.11
209	121.66	131.66	571.44	93.77	86.48
209	126.2	143.3	408.36	97.12	70.31
210	3600.0	119.62	96.35	79.35	78.92
210	3600.0	90.98	79.8	78.69	100.59
210	3600.0	114.72	116.2	217.06	98.72
210	3600.0	100.71	206.01	64.46	117.38
210	3600.0	314.11	2235.75	85.87	72.66
211	3600.0	3600.0	3600.0	3600.0	56.41
211	3600.0	3600.0	3600.0	3600.0	58.47
211	3600.0	3600.0	3600.0	3600.0	49.96
211	3600.0	3600.0	3600.0	3600.0	57.28
211	3600.0	3600.0	3600.0	3600.0	93.4
212	167.19	1144.42	385.03	1347.16	3298.12
212	198.21	1992.3	537.42	1127.22	3334.03
212	178.69	1242.87	489.35	803.76	967.67
212	165.09	357.14	415.5	1860.17	1421.73
212	224.93	545.36	1438.33	1397.14	2648.48
213	89.04	546.38	703.14	1906.59	2154.26
213	77.88	586.83	633.27	1211.16	3157.15
213	78.56	663.1	1728.68	1472.08	1817.54
213	94.19	678.54	1319.54	2128.1	2002.66
213	99.52	665.79	1031.53	1699.86	2025.9
214	3600.0	3600.0	3600.0	3600.0	103.21
214	3600.0	3600.0	3600.0	3600.0	134.65
214	3600.0	3600.0	3600.0	3600.0	157.2
214	3600.0	3600.0	3600.0	3600.0	207.34
214	3600.0	3600.0	3600.0	3600.0	216.1
215	3600.0	3600.0	3600.0	3600.0	3600.0
215	3600.0	3600.0	3600.0	3600.0	3600.0
215	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
215	3600.0	3600.0	3600.0	3600.0	3600.0
215	3600.0	3600.0	3600.0	3600.0	3600.0
216	3600.0	3600.0	3600.0	3600.0	21.22
216	3600.0	3600.0	3600.0	581.6	11.52
216	3600.0	3600.0	3600.0	178.44	20.89
216	3600.0	3600.0	3600.0	173.01	30.17
216	3600.0	3600.0	3600.0	3600.0	17.08
217	3600.0	3600.0	3600.0	3600.0	3600.0
217	3600.0	3600.0	3600.0	3600.0	3600.0
217	3600.0	3600.0	3600.0	3600.0	3600.0
217	3600.0	3600.0	3600.0	3600.0	3600.0
217	3600.0	3600.0	3600.0	3600.0	3600.0
218	3600.0	3600.0	3600.0	3600.0	3600.0
218	3600.0	3600.0	3600.0	3600.0	3600.0
218	3600.0	3600.0	3600.0	3600.0	3600.0
218	3600.0	3600.0	3600.0	3600.0	3600.0
218	3600.0	3600.0	3600.0	3600.0	3600.0
219	3600.0	3600.0	3600.0	3600.0	9.11
219	3600.0	3600.0	3600.0	3600.0	9.88
219	3600.0	3600.0	3600.0	3600.0	8.63
219	3600.0	3600.0	3600.0	3600.0	8.55
219	3600.0	3600.0	3600.0	3600.0	11.54
220	4.28	1.46	3.74	0.83	0.39
220	5.16	1.86	2.14	0.61	0.54
220	4.57	1.6	1.28	0.75	0.37
220	3.79	1.71	3.49	0.75	0.41
220	4.46	1.5	3.24	0.66	0.48
221	4.48	1.78	1.37	0.96	0.75
221	4.66	1.33	1.65	0.7	0.48
221	3.77	1.41	4.09	0.87	0.56
221	3.96	1.85	2.21	1.16	0.69
221	4.23	1.6	3.69	0.93	0.66
222	1.26	1.75	2.16	3.55	0.8
222	1.64	1.19	1.25	3.51	0.78
222	1.54	1.69	2.49	2.62	0.94
222	1.72	1.4	2.2	3.14	0.78
222	1.23	1.36	2.18	4.37	0.63
223	1.62	1.47	1.24	2.81	0.65
223	1.5	1.49	2.12	4.47	2.06
223	3.67	1.35	3.56	1.2	0.6

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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
223	3.91	1.88	1.64	0.96	0.57
223	3.89	1.76	2.24	0.85	1.32
224	0.37	0.12	0.15	0.11	0.13
224	0.42	0.16	0.18	0.18	0.14
224	0.37	0.13	0.25	0.13	0.17
224	0.36	0.2	0.27	0.12	0.16
224	0.35	0.15	0.16	0.12	0.11
225	0.5	0.14	0.15	0.18	0.16
225	0.42	0.16	0.12	0.16	0.13
225	0.35	0.14	0.22	0.13	0.14
225	0.16	0.18	0.22	0.16	0.22
225	0.2	0.13	0.14	0.18	0.15
226	690.48	528.69	459.77	253.31	351.76
226	683.12	579.68	357.23	329.21	280.6
226	554.7	552.12	0.38	327.86	458.22
226	667.58	607.22	584.93	258.94	300.03
226	519.7	347.04	348.63	264.04	261.29
227	3600.0	1917.95	1944.37	576.46	0.24
227	3600.0	1444.14	2094.17	1822.99	0.35
227	3600.0	1518.65	2279.17	1065.07	0.86
227	3600.0	2226.13	1215.3	622.32	0.24
227	3600.0	1155.22	1546.63	498.14	0.45
228	11.25	4.12	3.84	3.29	1.34
228	14.14	5.31	5.09	2.3	1.63
228	14.31	3.84	4.7	2.15	2.08
228	12.9	5.14	5.65	7.78	1.25
228	13.26	4.31	4.42	7.39	1.79
229	16.31	6.37	7.06	3.71	2.29
229	7.53	6.19	5.78	4.34	2.09
229	6.6	5.68	6.06	4.87	2.2
229	18.49	4.16	7.22	5.08	2.13
229	16.51	5.71	6.75	8.94	2.0
230	19.17	6.23	5.37	12.41	4.37
230	15.69	4.86	5.81	3.2	3.43
230	16.63	4.86	5.56	11.12	2.67
230	17.93	5.62	7.75	3.15	3.74
230	6.97	6.27	4.65	9.87	4.24
231	7.55	8.04	7.14	10.89	4.14
231	16.63	5.2	8.03	3.76	1.96
231	19.0	6.25	6.13	4.73	1.83

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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
231	18.85	5.17	3.68	9.81	4.02
231	18.53	8.32	6.59	3.59	2.07
232	22.83	9.2	12.38	7.79	4.38
232	27.38	9.04	10.13	13.58	3.03
232	9.17	11.02	9.95	15.3	2.9
232	8.66	8.82	8.03	17.87	3.67
232	9.12	8.96	10.52	15.63	10.03
233	10.15	9.83	13.14	22.6	7.14
233	27.51	9.87	11.37	19.9	5.67
233	28.77	9.79	11.08	20.05	4.72
233	30.17	10.16	10.6	18.63	5.36
233	26.21	8.55	9.03	6.62	5.46
234	29.08	9.64	10.4	9.49	7.29
234	26.1	9.41	10.0	10.95	7.78
234	9.12	9.81	10.28	6.18	5.63
234	10.41	12.27	22.24	6.68	8.23
234	26.48	10.15	12.02	7.64	7.45
235	24.76	9.33	9.23	21.59	5.47
235	27.94	11.26	9.61	7.34	5.65
235	25.85	8.18	10.84	6.37	7.16
235	26.88	9.79	10.44	6.99	8.99
235	27.84	8.24	8.29	8.41	5.46
236	0.44	0.37	0.43	0.35	0.37
236	0.45	0.38	0.51	0.33	0.39
236	0.45	0.44	0.34	0.39	0.57
236	0.41	0.39	0.45	0.37	0.61
236	0.42	0.47	0.4	0.39	0.57
237	0.38	0.39	0.42	0.4	0.94
237	0.39	0.38	0.55	0.47	0.38
237	0.33	0.53	0.38	0.39	0.48
237	0.42	0.45	0.53	0.41	0.45
237	0.36	0.42	0.43	1.31	0.45
238	3600.0	3600.0	3600.0	3600.0	0.79
238	3600.0	3600.0	3600.0	3600.0	3600.0
238	3600.0	3600.0	3600.0	3600.0	2.02
238	3600.0	3600.0	3600.0	3600.0	3600.0
238	3600.0	3600.0	3600.0	3600.0	1.32
239	3600.0	3600.0	3600.0	3600.0	3600.0
239	3600.0	3600.0	3600.0	3600.0	3600.0
239	3600.0	3600.0	3600.0	3600.0	1.35

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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
239	3600.0	3600.0	3600.0	3600.0	3600.0
239	3600.0	3600.0	3600.0	3600.0	3600.0
240	188.45	42.3	70.45	74.2	77.71
240	507.11	45.99	71.38	78.81	158.79
240	219.07	37.85	338.11	39.16	70.82
240	274.98	39.49	59.09	120.92	71.65
240	93.1	35.74	60.95	44.14	153.31
241	3600.0	90.9	330.78	111.52	59.7
241	3600.0	45.55	147.15	36.88	71.49
241	3600.0	109.82	116.98	338.0	58.82
241	3600.0	538.82	195.85	126.19	80.63
241	3600.0	63.05	119.85	104.58	39.84
242	3600.0	3600.0	3600.0	3600.0	184.6
242	3600.0	3600.0	3600.0	3600.0	112.52
242	3600.0	3600.0	3600.0	3600.0	81.11
242	3600.0	3600.0	3600.0	3600.0	95.07
242	3600.0	3600.0	3600.0	3600.0	202.47
243	3600.0	3600.0	3600.0	3600.0	76.48
243	3600.0	3600.0	3600.0	3600.0	25.33
243	3600.0	3600.0	3600.0	3600.0	29.08
243	3600.0	3600.0	3600.0	3600.0	44.26
243	3600.0	3600.0	3600.0	3600.0	25.57
244	795.58	327.74	125.69	87.67	19.62
244	1480.06	195.04	302.29	46.94	17.32
244	1011.83	281.77	90.68	27.7	6.99
244	812.08	473.33	288.59	87.39	5.07
244	873.35	320.56	93.01	42.25	12.22
245	2089.58	62.18	109.48	49.6	30.22
245	1140.58	46.42	62.56	25.34	22.28
245	747.37	71.5	101.75	196.56	67.89
245	1276.51	69.54	103.45	71.79	89.11
245	406.03	91.86	91.72	90.43	9.56
246	644.27	875.34	3600.0	19.77	4.07
246	570.96	835.75	3600.0	21.18	3.97
246	610.97	832.92	3600.0	31.34	4.56
246	668.68	935.55	3600.0	32.63	3.84
246	763.86	969.61	3600.0	38.56	8.15
247	259.42	208.85	77.5	35.02	14.42
247	1014.77	161.12	75.83	53.2	6.44
247	794.11	103.34	89.12	90.24	11.53

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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
247	344.32	178.31	123.22	11.27	11.51
247	770.95	106.08	67.3	37.42	7.79
248	759.07	435.21	214.05	153.24	142.99
248	664.0	172.39	296.23	138.92	161.69
248	1263.46	573.45	901.71	69.13	61.32
248	600.12	210.35	382.71	89.21	42.58
248	681.35	254.27	203.13	66.43	54.59
249	3600.0	3600.0	3600.0	3600.0	179.06
249	3600.0	3600.0	3600.0	3600.0	419.75
249	3600.0	3600.0	3600.0	3600.0	90.77
249	3600.0	3600.0	3600.0	3600.0	230.72
249	3600.0	3600.0	3600.0	3600.0	207.28
250	54.36	133.82	126.56	109.0	229.62
250	52.89	238.85	129.79	142.68	214.07
250	51.16	3600.0	229.71	148.59	240.27
250	51.11	184.31	163.03	153.97	105.15
250	71.44	3600.0	3600.0	333.36	77.22
251	3600.0	3600.0	3600.0	3600.0	266.95
251	3600.0	3600.0	3600.0	3600.0	896.67
251	3600.0	3600.0	3600.0	3600.0	2512.58
251	3600.0	3600.0	3600.0	3600.0	759.85
251	3600.0	3600.0	3600.0	3600.0	3600.0
252	348.85	1473.28	443.85	1534.96	41.89
252	842.0	977.06	643.96	989.81	59.74
252	2078.73	844.97	907.05	80.94	71.91
252	3600.0	1680.82	3600.0	94.33	47.65
252	661.07	650.18	553.51	440.53	56.47
253	3600.0	1206.93	540.56	283.32	193.42
253	3600.0	2694.0	990.23	996.32	178.91
253	3600.0	758.48	741.76	391.68	252.04
253	3600.0	1922.86	3595.19	199.7	139.05
253	3600.0	1435.92	2596.06	1938.68	208.66
254	1187.21	1801.68	1979.62	620.67	3600.0
254	2957.55	1287.09	1573.26	917.82	1461.8
254	1172.09	1006.65	1198.59	582.68	3600.0
254	1621.95	2939.78	461.52	2670.89	3600.0
254	1763.21	3600.0	366.3	1116.53	3600.0
255	3600.0	924.65	3600.0	154.74	3012.89
255	3600.0	2011.72	194.4	417.0	1206.11
255	3600.0	1944.32	2680.65	166.84	3191.86

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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
255	3600.0	1320.37	432.79	141.52	3600.0
255	3600.0	1442.29	864.16	147.14	3600.0
256	9.85	48.16	12.75	53.28	15.06
256	13.25	15.23	17.8	71.54	16.51
256	10.65	18.55	22.45	18.32	15.32
256	12.5	35.57	20.85	53.26	18.4
256	8.84	17.1	17.27	20.07	23.59
257	3600.0	3600.0	3600.0	3600.0	3600.0
257	3600.0	3600.0	3600.0	3600.0	3600.0
257	3600.0	3600.0	3600.0	3600.0	3600.0
257	3600.0	3600.0	3600.0	3600.0	3600.0
257	3600.0	3600.0	3600.0	3600.0	3600.0
258	3600.0	3600.0	3600.0	3600.0	17.57
258	3600.0	3600.0	3600.0	3600.0	15.94
258	3600.0	3600.0	3600.0	3600.0	22.29
258	3600.0	3600.0	3600.0	3600.0	25.99
258	3600.0	3600.0	3600.0	3600.0	18.91
259	3600.0	3600.0	3600.0	694.75	1394.79
259	3600.0	3600.0	3600.0	214.58	449.48
259	3600.0	3600.0	3600.0	348.5	267.65
259	3600.0	3600.0	3600.0	3600.0	681.9
259	3600.0	3600.0	3600.0	197.34	103.27
260	3600.0	3600.0	3600.0	3600.0	34.23
260	3600.0	3600.0	3600.0	3600.0	49.84
260	3600.0	3600.0	3600.0	3600.0	100.38
260	3600.0	3600.0	3600.0	3600.0	119.55
260	3600.0	3600.0	3600.0	3600.0	83.96
261	3600.0	3600.0	3600.0	3600.0	377.5
261	3600.0	3600.0	3600.0	3600.0	233.27
261	3600.0	3600.0	3600.0	3600.0	804.64
261	3600.0	3600.0	3600.0	3600.0	179.33
261	3600.0	3600.0	3600.0	3600.0	323.89
262	3600.0	3600.0	3600.0	3600.0	117.02
262	3600.0	3600.0	3600.0	3600.0	301.86
262	3600.0	3600.0	3600.0	3600.0	126.68
262	3600.0	3600.0	3600.0	3600.0	281.4
262	3600.0	3600.0	3600.0	3600.0	323.36
263	3600.0	3600.0	3600.0	3600.0	208.46
263	3600.0	3600.0	3600.0	3600.0	145.02
263	3600.0	3600.0	3600.0	3600.0	189.29

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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
263	3600.0	3600.0	3600.0	3600.0	433.19
263	3600.0	3600.0	3600.0	3600.0	270.95
264	120.82	40.7	23.89	9.08	5.4
264	70.46	24.68	14.93	11.3	4.89
264	162.57	110.14	25.11	38.65	14.83
264	195.67	116.41	63.84	22.87	14.12
264	45.57	165.08	32.41	22.61	7.26
265	3600.0	3600.0	3600.0	782.12	322.78
265	2726.44	3600.0	3600.0	834.95	630.37
265	3600.0	3600.0	3600.0	3600.0	505.61
265	2800.28	3600.0	3600.0	3600.0	993.54
265	3600.0	3600.0	3600.0	3600.0	863.3
266	2144.64	427.18	92.9	78.4	96.92
266	509.46	414.18	183.94	256.55	84.55
266	774.43	406.74	180.23	285.57	102.6
266	1909.18	531.55	174.94	305.93	28.78
266	2287.37	412.89	135.78	183.84	83.12
267	865.84	1761.25	2224.14	342.29	158.56
267	730.19	3600.0	1910.92	272.98	278.98
267	678.98	3600.0	3527.27	355.6	191.48
267	563.73	3600.0	3522.49	100.16	35.31
267	671.5	3600.0	3498.46	305.89	42.5
268	1078.88	523.79	599.49	123.74	56.01
268	1315.09	1708.49	1270.2	274.91	80.22
268	966.49	809.23	1594.6	237.06	66.91
268	1004.06	1001.95	288.73	82.89	50.18
268	462.81	690.7	227.1	90.27	58.04
269	3600.0	3600.0	3600.0	903.65	235.87
269	3600.0	3600.0	3600.0	2439.8	136.89
269	3600.0	3600.0	3600.0	690.25	205.2
269	3600.0	3600.0	3600.0	2158.61	273.9
269	3600.0	3600.0	3600.0	1370.34	145.06
270	3600.0	3600.0	3600.0	1037.47	286.52
270	3600.0	3600.0	3600.0	818.62	118.77
270	3600.0	3600.0	3600.0	595.43	586.82
270	3600.0	3600.0	3600.0	1743.36	292.13
270	3600.0	3600.0	3600.0	3600.0	335.34
271	3600.0	3600.0	3600.0	2268.45	282.25
271	3600.0	3600.0	3600.0	701.76	522.61
271	3600.0	3600.0	3600.0	1347.52	364.67

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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
271	3600.0	3600.0	3600.0	1381.04	620.54
271	3600.0	3600.0	3600.0	919.72	452.31
272	2011.3	617.81	610.8	122.56	88.94
272	933.5	732.79	850.6	174.11	69.59
272	1355.98	1608.74	1150.55	134.65	100.56
272	480.55	498.68	551.33	161.94	164.3
272	1081.04	912.87	1042.34	118.34	114.53
273	3600.0	3600.0	3600.0	3600.0	349.24
273	3600.0	3600.0	3600.0	3600.0	509.3
273	3600.0	3600.0	3600.0	3600.0	398.73
273	3600.0	3600.0	3600.0	3600.0	223.72
273	3600.0	3600.0	3600.0	3600.0	344.64
274	3600.0	3600.0	3600.0	3600.0	2572.56
274	3600.0	3600.0	3600.0	3600.0	2329.69
274	3600.0	3600.0	3600.0	3600.0	798.12
274	3600.0	3600.0	3600.0	3600.0	757.96
274	3600.0	3600.0	3600.0	3600.0	2608.0
275	3600.0	3600.0	3600.0	3600.0	436.31
275	3600.0	3600.0	3600.0	3600.0	228.43
275	3600.0	3600.0	3600.0	3600.0	3600.0
275	3600.0	3600.0	3600.0	3600.0	342.52
275	3600.0	3600.0	3600.0	3600.0	242.94
276	3600.0	3600.0	3600.0	3600.0	13.99
276	2223.22	3600.0	3600.0	3600.0	11.36
276	3600.0	3600.0	1971.52	3600.0	10.48
276	3600.0	3600.0	3600.0	3600.0	10.78
276	3600.0	3600.0	3600.0	3600.0	11.44
277	3600.0	3600.0	3600.0	3600.0	179.62
277	3600.0	3600.0	3600.0	3600.0	2905.55
277	3600.0	3600.0	3600.0	3600.0	63.13
277	3600.0	3600.0	3600.0	3600.0	49.88
277	3600.0	3600.0	3600.0	3600.0	42.37
278	3600.0	3600.0	3600.0	162.46	98.87
278	3600.0	3600.0	3600.0	167.36	52.83
278	3600.0	3600.0	3600.0	460.54	563.47
278	3600.0	3600.0	3600.0	140.89	156.82
278	3600.0	3600.0	3600.0	146.06	263.76
279	3600.0	3600.0	3600.0	3600.0	3600.0
279	3600.0	3600.0	3600.0	3600.0	3600.0
279	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
279	3600.0	3600.0	3600.0	3600.0	3600.0
279	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
280	3600.0	3600.0	3600.0	3600.0	3600.0
281	3600.0	3600.0	3600.0	3600.0	22.78
281	3600.0	3600.0	3600.0	3600.0	16.47
281	3600.0	3600.0	3600.0	3600.0	13.98
281	3600.0	3600.0	3600.0	3600.0	18.73
281	3600.0	3600.0	3600.0	3600.0	13.57
282	3600.0	3600.0	3600.0	3600.0	33.77
282	3600.0	3600.0	3600.0	3600.0	73.46
282	3600.0	3600.0	3600.0	3600.0	21.08
282	3600.0	3600.0	3600.0	3600.0	27.8
282	3600.0	3600.0	3600.0	3600.0	13.3
283	3600.0	3600.0	3600.0	3600.0	13.92
283	3600.0	3600.0	3600.0	3600.0	9.7
283	3600.0	3600.0	3600.0	3600.0	13.02
283	3600.0	3600.0	3600.0	3600.0	8.69
283	3600.0	3600.0	3600.0	3600.0	12.96
284	1.33	1.03	1.83	1.09	0.96
284	3.51	0.97	28.04	0.83	1.52
284	2.91	0.79	3.13	7.39	0.71
284	10.1	6.86	10.63	9.09	0.67
284	3.22	1.07	3.19	1.11	0.6
285	623.75	598.34	4.69	216.05	3.53
285	945.92	478.98	1859.46	259.05	2.55
285	921.67	463.79	753.83	120.62	1.62
285	267.96	1615.7	599.08	2.61	2.26
285	348.57	467.51	1540.57	98.19	4.9
286	3600.0	3600.0	3600.0	3600.0	466.4
286	3600.0	3600.0	3600.0	3600.0	433.21
286	3600.0	3600.0	3600.0	3600.0	721.42
286	3600.0	3600.0	3600.0	2887.19	324.75
286	3600.0	3600.0	3600.0	3600.0	607.43
287	2005.25	161.38	115.33	2.72	1.92
287	3600.0	346.83	119.53	2.38	1.75
287	1925.39	189.76	136.03	10.01	1.22

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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
287	1963.57	430.15	83.66	2.26	2.85
287	2182.85	283.29	111.07	3.23	1.75
288	21.79	50.72	44.08	41.4	140.68
288	21.08	47.05	47.76	83.28	86.83
288	19.9	33.19	53.9	32.29	44.7
288	22.71	50.56	40.8	41.62	104.83
288	27.56	51.29	48.68	39.23	61.91
289	25.09	57.76	56.11	141.72	26.61
289	23.63	22.31	41.24	79.35	24.48
289	18.66	38.74	53.29	99.92	28.39
289	23.49	45.41	57.98	51.68	27.48
289	23.24	32.71	62.85	30.36	54.91
290	3600.0	3600.0	3600.0	3600.0	55.36
290	3600.0	3600.0	3600.0	3600.0	47.14
290	3600.0	3600.0	3600.0	3600.0	57.35
290	3600.0	3600.0	3600.0	3600.0	59.68
290	3600.0	3600.0	3600.0	3600.0	22.98
291	3600.0	3600.0	3600.0	3600.0	83.9
291	3600.0	3600.0	3600.0	3600.0	77.48
291	3600.0	3600.0	3600.0	3600.0	76.02
291	3600.0	3600.0	3600.0	3600.0	51.12
291	3600.0	3600.0	3600.0	3600.0	80.2
292	76.61	89.58	56.67	17.83	35.16
292	58.33	51.47	77.93	12.14	32.65
292	113.97	55.24	82.92	19.97	11.89
292	114.31	53.66	76.62	12.42	15.23
292	80.92	59.33	58.46	26.03	13.52
293	55.42	51.9	58.17	64.35	25.63
293	47.92	81.89	55.45	31.53	109.61
293	33.55	127.57	75.61	50.8	93.21
293	99.92	71.31	61.23	40.83	26.47
293	104.51	74.91	57.32	42.58	36.02
294	28.75	112.89	64.96	39.98	31.62
294	31.51	99.07	61.46	148.8	39.38
294	30.44	113.11	168.82	46.0	36.15
294	42.81	73.64	72.58	31.51	47.26
294	96.06	109.93	59.38	40.43	86.9
295	95.34	127.28	65.76	43.31	39.63
295	92.94	76.44	66.66	59.68	31.97
295	92.18	66.84	54.31	58.85	31.9

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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
295	31.92	71.81	58.42	30.68	35.76
295	30.15	68.03	64.35	42.46	32.46
296	2.86	2.61	2.65	3.4	2.72
296	3.21	3.74	3.14	5.41	2.83
296	3.35	2.99	6.91	4.63	2.41
296	3.48	2.76	1.99	4.3	2.76
296	4.57	4.01	2.45	5.03	2.86
297	3600.0	3600.0	3600.0	3600.0	4.37
297	3600.0	3600.0	3600.0	3600.0	4.31
297	3600.0	3600.0	3600.0	3600.0	5.11
297	3600.0	3600.0	3600.0	3600.0	5.43
297	3600.0	3600.0	3600.0	3600.0	4.2
298	3600.0	3600.0	3600.0	3600.0	3600.0
298	3600.0	3600.0	3600.0	3600.0	3600.0
298	3600.0	3600.0	3600.0	3600.0	3600.0
298	3600.0	3600.0	3600.0	3600.0	3600.0
298	3600.0	3600.0	3600.0	3600.0	3600.0
299	3600.0	3600.0	3600.0	3600.0	6.4
299	3600.0	3600.0	3600.0	3600.0	7.71
299	3600.0	3600.0	3600.0	3600.0	6.13
299	3600.0	3600.0	3600.0	3600.0	8.15
299	3600.0	3600.0	3600.0	3600.0	8.76