

FreeProductsGroupLattice

August 5, 2018

Group : $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 527

Total Time in s : 789.2

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13	48	[8]
14	54	[7]
15	60	[1]
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17	72	[7, 8]
18	78	[4]
19	78	[4]
20	96	[8]
21	96	[9]

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23	114	[4]
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26	126	[7, 11]
27	144	[12, 16]
28	144	[13, 17]
29	150	[4]
30	150	[5]
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32	162	[14]
33	168	[1]
34	168	[8, 11]
35	168	[8, 10]
36	180	[3, 15]
37	186	[4]
38	186	[4]
39	192	[13, 20]
40	192	[12, 21]
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42	216	[14, 16]
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44	222	[4]
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56	294	[11]
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66	342	[7, 22]
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72	378	[14, 26]
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88	456	[8, 23]
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113	576	[50]
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117	600	[9, 30]
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144	720	[47, 68]
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148	744	[8, 37]
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162	774	[7, 49]
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175	882	[26, 56]
176	888	[8, 44]
177	888	[8, 43]
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181	912	[13, 88]
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183	936	[16, 46]
184	936	[17, 45, 57]
185	936	[17, 46, 58]
186	942	[4]
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191	1008	[2, 96]
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193	1008	[27, 99]
194	1008	[28, 63, 101]
195	1008	[28, 64, 100]
196	1008	[4, 62, 102]
197	1008	[5, 62]
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199	1008	[4, 60]
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201	1008	[4, 61]
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209	1032	[8, 48]
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212	1080	[7, 67, 68]
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222	1134	[31, 72]
223	1134	[32, 71]
224	1134	[32, 72]
225	1152	[109, 110, 113]
226	1152	[50, 52]
227	1152	[50, 51]
228	1152	[51, 74]
229	1152	[52, 73]
230	1152	[75, 112]
231	1152	[76, 111]
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236	1176	[34, 35, 55]
237	1176	[35, 54]
238	1194	[4]
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245	1206	[7, 78]
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247	1248	[20, 58]
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257	1296	[82, 127]
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262	1302	[11, 37]
263	1302	[11, 38]
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276	1344	[39, 63, 133]
277	1350	[14, 85]
278	1350	[14, 86]
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280	1368	[16, 65]
281	1368	[17, 66, 87]
282	1368	[17, 65, 88]
283	1374	[4]
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286	1422	[7, 89]
287	1440	[8, 68, 142]

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308	1488	[13, 148]
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315	1512	[42, 72, 99]
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324	1536	[75, 155]
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335	1554	[11, 44]
336	1608	[8, 77]
337	1608	[8, 78]
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355	1728	[82, 110, 171]
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389	1944	[16, 123]
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392	1944	[92, 124]
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431	2064	[13, 209]
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484	2304	[110, 112, 226]
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487	2304	[111, 158, 228]
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489	2304	[111, 159]
490	2304	[112, 155]
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205	96	[56, 83]
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Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 318.5

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595	436	[5, 268]
596	436	[7]
597	436	[7]
598	438	[8, 169]
599	440	[42, 92]
600	440	[41, 92]
601	440	[39, 91, 269]
602	440	[40, 92, 269]
603	440	[43, 93, 269]
604	442	[27, 35]
605	444	[13, 170, 270]
606	446	[4]
607	448	[66, 273, 274, 275]
608	448	[62, 271]

609	448	[63, 271]
610	448	[64, 271, 272, 274]
611	448	[65, 273]
612	448	[67, 273]
613	448	[68, 274]
614	450	[94, 173]
615	452	[5, 276]
616	452	[7]
617	452	[7]
618	454	[4]
619	456	[23, 123]
620	456	[24, 175, 277]
621	456	[25, 174, 277]
622	456	[26, 176, 277]
623	458	[4]
624	460	[21, 95, 278]
625	462	[44, 69, 177]
626	464	[15, 279]
627	464	[16, 282]
628	464	[16, 279, 280, 283]
629	464	[16, 281]
630	464	[17, 279]
631	466	[4]
632	468	[36, 54]
633	468	[36, 53]
634	468	[37, 178, 284]
635	470	[12, 96]
636	472	[9, 285]
637	472	[10, 285]
638	472	[11, 285]
639	474	[8, 179]
640	476	[28, 70, 286]
641	478	[4]
642	480	[97, 130]
643	480	[97, 131]
644	480	[29, 180]
645	480	[101, 185, 291]
646	480	[102, 187, 291]

647	480	[103, 189, 290]
648	480	[100, 190, 290, 291, 292]
649	480	[104, 191, 290]
650	480	[98, 134, 287]
651	480	[97, 133, 287]
652	480	[99, 135, 287]
653	480	[100, 181, 288]
654	480	[100, 182, 289]
655	480	[101, 184, 288]
656	480	[101, 183, 289]
657	480	[102, 188, 288]
658	480	[102, 186, 289]
659	480	[10, 293]
660	480	[9, 293]
661	480	[11, 293]
662	480	[9, 295]
663	480	[10, 294, 295, 296]
664	480	[11, 295]
665	480	[296]
666	480	[296]
667	482	[4]
668	484	[7]
669	484	[45, 297]
670	486	[192]
671	488	[9, 298]
672	488	[10, 300]
673	488	[10, 298]
674	488	[10, 299]
675	488	[11, 298]
676	490	[73, 105]
677	492	[13, 193, 301]
678	494	[27, 38]
679	496	[15, 302]
680	496	[16, 302, 303, 304]
681	496	[17, 302]
682	498	[8, 196]
683	500	[106, 107]
684	500	[106, 108]

685	500	[106]
686	500	[107]
687	500	[108]
688	500	[109, 305]

Group : $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 205

Total Time in s : 830.3

Number	Index	Supergroups
1	1	[]
2	2	[1]
3	5	[1]
4	10	[2]
5	10	[2, 3]
6	50	[4, 5]
7	60	[1]
8	60	[1]
9	80	[3]
10	110	[5]
11	110	[5]
12	110	[5]
13	110	[5]
14	120	[2]
15	120	[2]
16	120	[2, 7]
17	120	[2, 8]
18	160	[5, 9]
19	160	[4]
20	160	[9]
21	160	[9]
22	240	[14]
23	240	[15]
24	240	[16]
25	240	[17]

26	250	[6]
27	300	[3, 7]
28	300	[3, 8]
29	310	[5]
30	310	[5]
31	310	[5]
32	310	[5]
33	320	[18]
34	320	[18]
35	320	[18, 20, 21]
36	320	[19]
37	320	[19]
38	320	[19]
39	360	[1]
40	360	[1]
41	410	[5]
42	410	[5]
43	410	[5]
44	410	[5]
45	550	[6, 11]
46	550	[6, 12]
47	550	[6, 13]
48	550	[6, 10]
49	600	[4, 16]
50	600	[5, 16, 27]
51	600	[4, 17]
52	600	[5, 17, 28]
53	600	[5, 14]
54	600	[4, 14]
55	600	[5, 15]
56	600	[4, 15]
57	610	[5]
58	610	[5]
59	610	[5]
60	610	[5]
61	640	[33, 34, 35]
62	640	[36, 37, 38]
63	660	[1]

64	660	[1]
65	660	[1]
66	660	[1]
67	660	[1]
68	660	[1]
69	710	[5]
70	710	[5]
71	710	[5]
72	710	[5]
73	720	[2]
74	720	[2]
75	720	[2, 39]
76	720	[2]
77	720	[2]
78	720	[2, 40]
79	800	[6, 18]
80	800	[6, 19]
81	810	[4]
82	810	[5]
83	960	[7]
84	960	[8]
85	960	[8]
86	960	[7]
87	960	[8]
88	960	[7]
89	1010	[5]
90	1010	[5]
91	1010	[5]
92	1010	[5]
93	1080	[39]
94	1080	[40]
95	1200	[22, 54]
96	1200	[22, 53]
97	1200	[23, 56]
98	1200	[23, 55]
99	1200	[24, 50]
100	1200	[24, 49]
101	1200	[25, 52]

102	1200	[25, 51]
103	1210	[4]
104	1210	[4]
105	1210	[10, 11]
106	1210	[10, 12]
107	1210	[10]
108	1210	[10, 13]
109	1210	[11, 13]
110	1210	[11]
111	1210	[11, 12]
112	1210	[12, 13]
113	1210	[12]
114	1210	[13]
115	1250	[26]
116	1250	[26]
117	1280	[9]
118	1310	[5]
119	1310	[5]
120	1310	[5]
121	1310	[5]
122	1320	[2]
123	1320	[2]
124	1320	[2]
125	1320	[2]
126	1320	[2]
127	1320	[2]
128	1320	[2]
129	1320	[2]
130	1320	[2, 63]
131	1320	[2, 64]
132	1320	[2, 65]
133	1320	[2, 66]
134	1320	[2, 67]
135	1320	[2, 68]
136	1440	[73]
137	1440	[74]
138	1440	[75]
139	1440	[76]

140	1440	[77]
141	1440	[78]
142	1510	[5]
143	1510	[5]
144	1510	[5]
145	1510	[5]
146	1550	[6, 31]
147	1550	[6, 29]
148	1550	[6, 32]
149	1550	[6, 30]
150	1600	[35, 79]
151	1600	[33, 79]
152	1600	[34, 79]
153	1600	[36, 80]
154	1600	[37, 80]
155	1600	[38, 80]
156	1760	[10, 18]
157	1760	[11, 18]
158	1760	[12, 18]
159	1760	[13, 18]
160	1800	[3, 39]
161	1800	[3, 40]
162	1810	[5]
163	1810	[5]
164	1810	[5]
165	1810	[5]
166	1910	[5]
167	1910	[5]
168	1910	[5]
169	1910	[5]
170	1920	[14]
171	1920	[14]
172	1920	[15]
173	1920	[15]
174	1920	[14]
175	1920	[15]
176	1920	[14]
177	1920	[14]

178	1920	[14]
179	1920	[15]
180	1920	[15]
181	1920	[14]
182	1920	[15]
183	1920	[15]
184	1920	[16, 88]
185	1920	[16, 83]
186	1920	[16, 86]
187	1920	[17, 84]
188	1920	[17, 85]
189	1920	[17, 87]
190	1920	[14]
191	1920	[15]
192	1920	[16]
193	1920	[17]
194	1920	[83]
195	1920	[83]
196	1920	[84]
197	1920	[84]
198	1920	[85]
199	1920	[85]
200	1920	[86]
201	1920	[86]
202	1920	[87]
203	1920	[87]
204	1920	[88]
205	1920	[88]

Group : $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 578.9

Number	Index	Supergroups
1	1	[]

2	2	[1]
3	2	[1]
4	2	[1]
5	3	[1]
6	4	[2, 3, 4]
7	6	[2, 5]
8	6	[4]
9	6	[3, 5]
10	6	[4, 5]
11	6	[3]
12	8	[6]
13	10	[4]
14	12	[6, 8]
15	12	[5]
16	12	[6, 11]
17	12	[6, 7, 9, 10]
18	14	[4]
19	16	[12]
20	18	[9, 11]
21	18	[8, 10]
22	18	[8]
23	20	[6, 13]
24	22	[4]
25	24	[9, 15]
26	24	[10, 15]
27	24	[11]
28	24	[7, 15]
29	24	[12, 14]
30	24	[12, 17]
31	24	[12, 16]
32	26	[4]
33	28	[6, 18]
34	30	[8, 13]
35	30	[10, 13]
36	32	[19]
37	34	[4]
38	36	[14, 16]
39	36	[14, 17, 21]

40	36	[16, 17, 20]
41	36	[14, 22]
42	38	[4]
43	40	[12, 23]
44	42	[10]
45	42	[9]
46	42	[9]
47	42	[10]
48	42	[8, 18]
49	42	[10, 18]
50	44	[6, 24]
51	46	[4]
52	48	[16, 27]
53	48	[27]
54	48	[27]
55	48	[17, 25, 26, 28]
56	48	[19, 29]
57	48	[19, 30]
58	48	[19, 31]
59	48	[25]
60	48	[25]
61	50	[13]
62	52	[6, 32]
63	54	[20]
64	54	[21]
65	54	[21, 22]
66	54	[21]
67	54	[21]
68	54	[22]
69	56	[12, 33]
70	58	[4]
71	60	[1]
72	60	[17, 23, 35]
73	60	[16, 23]
74	60	[14, 23, 34]
75	62	[4]
76	64	[36]
77	66	[8, 24]

78	66	[10, 24]
79	68	[6, 37]
80	70	[13, 18]
81	72	[12]
82	72	[21, 26]
83	72	[20, 25]
84	72	[20, 27]
85	72	[30, 31, 40]
86	72	[29, 30, 39]
87	72	[29, 41]
88	72	[29, 31, 38]
89	74	[4]
90	76	[6, 42]
91	78	[8, 32]
92	78	[9]
93	78	[9]
94	78	[10, 32]
95	78	[10]
96	78	[10]
97	80	[19, 43]
98	82	[4]
99	84	[14, 33, 48]
100	84	[16, 33]
101	84	[17, 46]
102	84	[17, 33, 49]
103	84	[17, 47]
104	84	[17, 44]
105	84	[17, 45]
106	86	[4]
107	88	[12, 50]
108	90	[21, 34, 35]
109	90	[22, 34]
110	92	[6, 51]
111	94	[4]
112	96	[28]
113	96	[30, 55]
114	96	[25]
115	96	[26]

116	96	[27]
117	96	[31, 52]
118	96	[36, 56]
119	96	[36, 58]
120	96	[36, 57]
121	96	[52]
122	96	[52, 53, 54]
123	96	[55]
124	96	[55, 59, 60]
125	98	[18]
126	100	[23, 61]
127	102	[8, 37]
128	102	[10, 37]
129	104	[12, 62]
130	106	[4]
131	108	[38, 39, 40]
132	108	[39, 41, 65]
133	108	[38, 41]
134	108	[38]
135	108	[39, 64]
136	108	[39, 66]
137	108	[39, 67]
138	108	[40, 63]
139	108	[41, 68]
140	110	[13, 24]
141	112	[19, 69]
142	114	[8, 42]
143	114	[9]
144	114	[9]
145	114	[10, 42]
146	114	[10]
147	114	[10]
148	116	[6, 70]
149	118	[4]
150	120	[4]
151	120	[2]
152	120	[2]
153	120	[26, 35]

154	120	[29, 43, 74]
155	120	[30, 43, 72]
156	120	[31, 43, 73]
157	120	[2, 71]
158	120	[3, 71]
159	120	[4, 71]
160	122	[4]
161	124	[6, 75]
162	126	[20, 45]
163	126	[20, 46]
164	126	[21, 44]
165	126	[21, 48, 49]
166	126	[21, 47]
167	126	[22, 48]
168	128	[76]
169	130	[13, 32]
170	132	[14, 50, 77]
171	132	[16, 50]
172	132	[17, 50, 78]
173	134	[4]
174	136	[12, 79]
175	138	[8, 51]
176	138	[10, 51]
177	140	[23, 33, 80]
178	142	[4]
179	144	[39, 55, 82]
180	144	[40, 55, 83]
181	144	[19, 81]
182	144	[57, 58, 85]
183	144	[56, 57, 86]
184	144	[56, 87]
185	144	[40, 52, 84]
186	144	[38, 52]
187	144	[56, 58, 88]
188	144	[53, 84]
189	144	[54, 84]
190	144	[59, 83]
191	144	[60, 83]

192	146	[4]
193	148	[6, 89]
194	150	[9]
195	150	[10]
196	150	[11]
197	150	[34, 61]
198	150	[35, 61]
199	152	[12, 90]
200	154	[18, 24]
201	156	[14, 62, 91]
202	156	[16, 62]
203	156	[17, 95]
204	156	[17, 62, 94]
205	156	[17, 92]
206	156	[17, 93]
207	156	[17, 96]
208	158	[4]
209	160	[36, 97]
210	162	[63]
211	162	[63]
212	162	[64, 65, 66, 67]
213	162	[65]
214	162	[65, 68]
215	162	[65]
216	162	[67]
217	162	[67]
218	162	[67]
219	162	[67]
220	162	[68]
221	164	[6, 98]
222	166	[4]
223	168	[1]
224	168	[26, 49]
225	168	[25, 45]
226	168	[25, 46]
227	168	[26, 44]
228	168	[26, 47]
229	168	[29, 69, 99]

230	168	[30, 104]
231	168	[30, 103]
232	168	[30, 69, 102]
233	168	[30, 105]
234	168	[30, 101]
235	168	[31, 69, 100]
236	170	[13, 37]
237	172	[6, 106]
238	174	[8, 70]
239	174	[10, 70]
240	176	[19, 107]
241	178	[4]
242	180	[40, 72, 73]
243	180	[39, 72, 74, 108]
244	180	[41, 74, 109]
245	180	[38, 73, 74]
246	180	[5, 71]
247	182	[18, 32]
248	184	[12, 110]
249	186	[8, 75]
250	186	[9]
251	186	[9]
252	186	[10, 75]
253	186	[10]
254	186	[10]
255	188	[6, 111]
256	190	[13, 42]
257	192	[52]
258	192	[112]
259	192	[112]
260	192	[57, 113]
261	192	[58, 117]
262	192	[52]
263	192	[52, 116]
264	192	[53, 116]
265	192	[117, 121, 122]
266	192	[54, 116]
267	192	[55]

268	192	[55, 114]
269	192	[55, 115]
270	192	[55, 112]
271	192	[55]
272	192	[59, 114]
273	192	[113, 123, 124]
274	192	[60, 114]
275	192	[76, 119]
276	192	[76, 120]
277	192	[76, 118]
278	192	[113]
279	192	[117]
280	194	[4]
281	196	[33, 125]
282	198	[21, 77, 78]
283	198	[22, 77]
284	200	[43, 126]
285	202	[4]
286	204	[14, 79, 127]
287	204	[16, 79]
288	204	[17, 79, 128]
289	206	[4]
290	208	[19, 129]
291	210	[34, 48, 80]
292	210	[35, 49, 80]
293	210	[35, 47]
294	210	[35, 44]
295	212	[6, 130]
296	214	[4]
297	216	[65, 82]
298	216	[29, 81]
299	216	[85, 86, 88, 131]
300	216	[30, 81]
301	216	[86, 87, 132]
302	216	[31, 81]
303	216	[87, 88, 133]
304	216	[63, 84]
305	216	[63, 83]

306	216	[85, 138]
307	216	[64, 82]
308	216	[86, 135]
309	216	[66, 82]
310	216	[86, 136]
311	216	[67, 82]
312	216	[86, 137]
313	216	[87, 139]
314	216	[81]
315	216	[81]
316	216	[81]
317	216	[88, 134]
318	218	[4]
319	220	[23, 50, 140]
320	222	[8, 89]
321	222	[9]
322	222	[9]
323	222	[10, 89]
324	222	[10]
325	222	[10]
326	224	[36, 141]
327	226	[4]
328	228	[14, 90, 142]
329	228	[16, 90]
330	228	[17, 146]
331	228	[17, 143]
332	228	[17, 144]
333	228	[17, 90, 145]
334	228	[17, 147]
335	230	[13, 51]
336	232	[12, 148]
337	234	[20, 93]
338	234	[20, 92]
339	234	[21, 96]
340	234	[21, 91, 94]
341	234	[21, 95]
342	234	[22, 91]
343	236	[6, 149]

344	238	[18, 37]
345	240	[55, 72, 153]
346	240	[52, 73]
347	240	[56, 97, 154]
348	240	[57, 97, 155]
349	240	[58, 97, 156]
350	240	[6, 157, 158, 159]
351	240	[6, 150]
352	240	[150]
353	240	[150]
354	240	[6, 151]
355	240	[6, 152]
356	240	[158]
357	240	[158]
358	242	[24]
359	244	[6, 160]
360	246	[8, 98]
361	246	[10, 98]
362	248	[12, 161]
363	250	[61]
364	252	[40, 100, 102]
365	252	[39, 99, 102, 165]
366	252	[41, 99, 167]
367	252	[38, 99, 100]
368	252	[39, 105]
369	252	[39, 103, 166]
370	252	[39, 101]
371	252	[39, 104, 164]
372	252	[40, 101, 163]
373	252	[40, 105, 162]
374	252	[40, 103]
375	252	[40, 104]
376	254	[4]
377	256	[168]
378	258	[8, 106]
379	258	[9]
380	258	[9]
381	258	[10]

382	258	[10]
383	258	[10, 106]
384	260	[23, 62, 169]
385	262	[4]
386	264	[26, 78]
387	264	[29, 107, 170]
388	264	[30, 107, 172]
389	264	[31, 107, 171]
390	266	[18, 42]
391	268	[6, 173]
392	270	[65, 108, 109]
393	270	[64, 108]
394	270	[66, 108]
395	270	[67, 108]
396	270	[68, 109]
397	272	[19, 174]
398	274	[4]
399	276	[14, 110, 175]
400	276	[16, 110]
401	276	[17, 110, 176]
402	278	[4]
403	280	[43, 69, 177]
404	282	[8, 111]
405	282	[10, 111]
406	284	[6, 178]
407	286	[24, 32]
408	288	[20]
409	288	[21]
410	288	[83, 84]
411	288	[86, 113, 179]
412	288	[88, 117, 186]
413	288	[85, 117, 185]
414	288	[85, 113, 180]
415	288	[36, 181]
416	288	[119, 120, 182]
417	288	[118, 120, 183]
418	288	[118, 184]
419	288	[118, 119, 187]

420	288	[122, 185, 188, 189]
421	288	[122, 186]
422	288	[124, 179]
423	288	[124, 180, 190, 191]
424	288	[82, 115]
425	288	[83, 114]
426	288	[84, 116]
427	288	[121, 186]
428	288	[121, 185]
429	288	[123, 180]
430	288	[123, 179]
431	290	[13, 70]
432	292	[6, 192]
433	294	[11]
434	294	[44]
435	294	[44, 47]
436	294	[44, 49]
437	294	[45, 46]
438	294	[45]
439	294	[46]
440	294	[47, 49]
441	294	[47]
442	294	[48, 125]
443	294	[49, 125]
444	296	[12, 193]
445	298	[4]
446	300	[16]
447	300	[16, 196]
448	300	[17, 194]
449	300	[17, 195]
450	300	[72, 126, 198]
451	300	[73, 126]
452	300	[74, 126, 197]
453	302	[4]
454	304	[19, 199]
455	306	[21, 127, 128]
456	306	[22, 127]
457	308	[33, 50, 200]

458	310	[13, 75]
459	312	[25, 92]
460	312	[25, 93]
461	312	[26, 95]
462	312	[26, 96]
463	312	[26, 94]
464	312	[29, 129, 201]
465	312	[30, 206]
466	312	[30, 207]
467	312	[30, 205]
468	312	[30, 129, 204]
469	312	[30, 203]
470	312	[31, 129, 202]
471	314	[4]
472	316	[6, 208]
473	318	[8, 130]
474	318	[10, 130]
475	320	[76, 209]
476	322	[18, 51]
477	324	[15]
478	324	[131, 132, 133]
479	324	[131, 138]
480	324	[131, 135]
481	324	[132, 135, 136, 137, 212]
482	324	[131, 136]
483	324	[131, 137]
484	324	[132, 139, 214]
485	324	[133, 139]
486	324	[131, 134]
487	324	[132, 213]
488	324	[132, 215]
489	324	[133, 134]
490	324	[134]
491	324	[134]
492	324	[134]
493	324	[134]
494	324	[137, 216]
495	324	[137, 218]

496	324	[137, 217]
497	324	[137, 219]
498	324	[138, 210]
499	324	[138, 211]
500	324	[139, 220]
501	326	[4]
502	328	[12, 221]
503	330	[34, 77, 140]
504	330	[35, 78, 140]
505	332	[6, 222]
506	334	[4]
507	336	[3]
508	336	[4]
509	336	[3]
510	336	[4]
511	336	[2]
512	336	[2]
513	336	[2]
514	336	[55, 102, 224]
515	336	[52, 100]
516	336	[57, 230]
517	336	[55, 104, 227]
518	336	[57, 233]
519	336	[55, 105, 225]
520	336	[57, 234]
521	336	[55, 101, 226]
522	336	[57, 231]
523	336	[55, 103, 228]
524	336	[56, 141, 229]
525	336	[57, 141, 232]
526	336	[58, 141, 235]
527	336	[59, 226]
528	336	[59, 225]
529	336	[60, 225]
530	336	[60, 226]
531	336	[2, 223]
532	336	[3, 223]
533	336	[4, 223]

534	338	[32]
535	340	[23, 79, 236]
536	342	[20, 143]
537	342	[20, 144]
538	342	[21, 147]
539	342	[21, 146]
540	342	[21, 142, 145]
541	342	[22, 142]
542	344	[12, 237]
543	346	[4]
544	348	[14, 148, 238]
545	348	[16, 148]
546	348	[17, 148, 239]
547	350	[61, 80]
548	352	[36, 240]
549	354	[8, 149]
550	354	[10, 149]
551	356	[6, 241]
552	358	[4]
553	360	[82, 108, 153]
554	360	[86, 154, 155, 243]
555	360	[88, 154, 156, 245]
556	360	[85, 155, 156, 242]
557	360	[43, 81]
558	360	[87, 154, 244]
559	360	[7, 157, 246]
560	360	[8, 159]
561	360	[9, 158, 246]
562	360	[10, 159, 246]
563	360	[11, 158]
564	360	[10, 150]
565	360	[8, 150]
566	360	[7, 151]
567	360	[7, 152]
568	362	[4]
569	364	[33, 62, 247]
570	366	[8, 160]
571	366	[9]

572	366	[9]
573	366	[10]
574	366	[10]
575	366	[10, 160]
576	368	[19, 248]
577	370	[13, 89]
578	372	[14, 161, 249]
579	372	[16, 161]
580	372	[17, 161, 252]
581	372	[17, 254]
582	372	[17, 253]
583	372	[17, 250]
584	372	[17, 251]
585	374	[24, 37]
586	376	[12, 255]
587	378	[65, 164]
588	378	[65, 166]
589	378	[65, 165, 167]
590	378	[63, 163]
591	378	[63, 162]
592	378	[64, 166]
593	378	[64, 164]
594	378	[64, 165]
595	378	[66, 165]
596	378	[66, 166]
597	378	[66, 164]
598	378	[67, 166]
599	378	[67, 164]
600	378	[67, 165]
601	378	[68, 167]
602	380	[23, 90, 256]
603	382	[4]
604	384	[257]
605	384	[257]
606	384	[120, 260]
607	384	[119, 261]
608	384	[261, 265, 279]
609	384	[260, 273, 278]

610	384	[112]
611	384	[113, 270]
612	384	[124, 270]
613	384	[113, 268]
614	384	[113, 267]
615	384	[113, 269]
616	384	[113, 271]
617	384	[114]
618	384	[115]
619	384	[124, 269]
620	384	[116]
621	384	[117, 263]
622	384	[117]
623	384	[117]
624	384	[117, 262]
625	384	[117]
626	384	[117, 257]
627	384	[117]
628	384	[121, 263]
629	384	[121, 257]
630	384	[121, 262]
631	384	[122, 257]
632	384	[122, 263, 264, 266]
633	384	[122, 262]
634	384	[123, 271]
635	384	[123, 268]
636	384	[123, 270]
637	384	[123, 267]
638	384	[123, 269]
639	384	[124, 271]
640	384	[124, 268, 272, 274]
641	384	[124, 267]
642	384	[168, 275]
643	384	[168, 276]
644	384	[168, 277]
645	384	[257]
646	384	[257]
647	384	[258]

648	384	[258, 259, 270]
649	384	[258]
650	384	[259]
651	384	[259]
652	384	[260]
653	384	[261]
654	384	[264]
655	384	[264]
656	384	[270]
657	384	[270]
658	384	[270]
659	384	[272]
660	384	[272]
661	386	[4]
662	388	[6, 280]
663	390	[34, 91, 169]
664	390	[35, 94, 169]
665	390	[35, 95]
666	390	[35, 96]
667	392	[69, 281]
668	394	[4]
669	396	[40, 171, 172]
670	396	[38, 170, 171]
671	396	[39, 170, 172, 282]
672	396	[41, 170, 283]
673	398	[4]
674	400	[97, 284]
675	402	[8, 173]
676	402	[9]
677	402	[9]
678	402	[10]
679	402	[10, 173]
680	402	[10]
681	404	[6, 285]
682	406	[18, 70]
683	408	[26, 128]
684	408	[29, 174, 286]
685	408	[30, 174, 288]

686	408	[31, 174, 287]
687	410	[13, 98]
688	412	[6, 289]
689	414	[21, 175, 176]
690	414	[22, 175]
691	416	[36, 290]
692	418	[24, 42]
693	420	[74, 99, 177, 291]
694	420	[72, 102, 177, 292]
695	420	[72, 104, 294]
696	420	[72, 105]
697	420	[72, 101]
698	420	[72, 103, 293]
699	420	[73, 100, 177]
700	422	[4]
701	424	[12, 295]
702	426	[8, 178]
703	426	[10, 178]
704	428	[6, 296]
705	430	[13, 106]
706	432	[132, 179, 297]
707	432	[131, 185, 186]
708	432	[133, 186]
709	432	[131, 179, 180]
710	432	[53]
711	432	[53]
712	432	[54]
713	432	[54]
714	432	[56, 181, 298]
715	432	[182, 183, 187, 299]
716	432	[57, 181, 300]
717	432	[183, 184, 301]
718	432	[58, 181, 302]
719	432	[184, 187, 303]
720	432	[182, 306]
721	432	[138, 180, 305]
722	432	[138, 185, 304]
723	432	[188, 304]

724	432	[189, 304]
725	432	[190, 305]
726	432	[191, 305]
727	432	[183, 308]
728	432	[135, 179, 307]
729	432	[183, 310]
730	432	[136, 179, 309]
731	432	[183, 312]
732	432	[137, 179, 311]
733	432	[184, 313]
734	432	[134, 186]
735	432	[187, 317]
736	432	[181, 316]
737	432	[181, 315]
738	432	[181, 314]
739	434	[18, 75]
740	436	[6, 318]
741	438	[8, 192]
742	438	[9]
743	438	[9]
744	438	[10]
745	438	[10]
746	438	[10, 192]
747	440	[43, 107, 319]
748	442	[32, 37]
749	444	[14, 193, 320]
750	444	[16, 193]
751	444	[17, 324]
752	444	[17, 322]
753	444	[17, 193, 323]
754	444	[17, 325]
755	444	[17, 321]
756	446	[4]
757	448	[76, 326]
758	450	[20, 194]
759	450	[20, 196]
760	450	[21, 195]
761	450	[108, 197, 198]

762	450	[109, 197]
763	452	[6, 327]
764	454	[4]
765	456	[25, 144]
766	456	[25, 143]
767	456	[26, 145]
768	456	[26, 146]
769	456	[26, 147]
770	456	[29, 199, 328]
771	456	[30, 331]
772	456	[30, 334]
773	456	[30, 330]
774	456	[30, 199, 333]
775	456	[30, 332]
776	456	[31, 199, 329]
777	458	[4]
778	460	[23, 110, 335]
779	462	[44, 78]
780	462	[47, 78]
781	462	[48, 77, 200]
782	462	[49, 78, 200]
783	464	[19, 336]
784	466	[4]
785	468	[40, 202, 204]
786	468	[38, 201, 202]
787	468	[39, 203, 341]
788	468	[39, 201, 204, 340]
789	468	[39, 207, 339]
790	468	[39, 206]
791	468	[39, 205]
792	468	[40, 203]
793	468	[40, 207]
794	468	[40, 206, 337]
795	468	[40, 205, 338]
796	468	[41, 201, 342]
797	470	[13, 111]
798	472	[12, 343]
799	474	[8, 208]

800	474	[9]
801	474	[9]
802	474	[10]
803	474	[10, 208]
804	474	[10]
805	476	[33, 79, 344]
806	478	[4]
807	480	[35]
808	480	[35]
809	480	[118, 209, 347]
810	480	[120, 209, 348]
811	480	[113, 155, 345]
812	480	[117, 156, 346]
813	480	[122, 346]
814	480	[124, 345]
815	480	[12, 350]
816	480	[119, 209, 349]
817	480	[115, 153]
818	480	[121, 346]
819	480	[123, 345]
820	480	[12, 351]
821	480	[12, 354]
822	480	[12, 355]
823	480	[350]
824	480	[350, 356, 357]
825	480	[351]
826	480	[351, 352, 353]
827	480	[354]
828	480	[354]
829	480	[355]
830	480	[355]
831	482	[4]
832	484	[50, 358]
833	486	[212, 213, 214, 215]
834	486	[210]
835	486	[210, 211]
836	486	[211]
837	486	[211]

838	486	[211]
839	486	[212]
840	486	[212]
841	486	[212, 216, 217, 218]
842	486	[212, 219]
843	486	[214, 220]
844	486	[214]
845	486	[214]
846	486	[216, 219]
847	486	[217, 219]
848	486	[218]
849	486	[218]
850	486	[218]
851	486	[218, 219]
852	486	[220]
853	488	[12, 359]
854	490	[80, 125]
855	492	[14, 221, 360]
856	492	[16, 221]
857	492	[17, 221, 361]
858	494	[32, 42]
859	496	[19, 362]
860	498	[8, 222]
861	498	[10, 222]
862	500	[126, 363]

Group : $C_2 * C_7$

Searching up to index : 1000

How many normal groups are found : 63

Total Time in s : 27.6

Number	Index	Supergroups
1	1	[]
2	2	[1]
3	7	[1]
4	14	[2]

5	14	[2, 3]
6	56	[3]
7	56	[3]
8	98	[4, 5]
9	112	[5, 6]
10	112	[5, 7]
11	168	[1]
12	168	[1]
13	168	[1]
14	336	[2]
15	336	[2]
16	336	[2]
17	336	[2, 11]
18	336	[2, 12]
19	336	[2, 13]
20	406	[5]
21	406	[5]
22	406	[5]
23	406	[5]
24	406	[5]
25	406	[5]
26	448	[6, 7]
27	504	[1]
28	504	[1]
29	504	[1]
30	504	[1]
31	504	[1]
32	504	[1]
33	602	[5]
34	602	[5]
35	602	[5]
36	602	[5]
37	602	[5]
38	602	[5]
39	672	[14]
40	672	[15]
41	672	[16]
42	672	[17]

43	672	[18]
44	672	[19]
45	686	[8]
46	784	[8, 9]
47	784	[8, 10]
48	896	[4]
49	896	[9]
50	896	[9, 10, 26]
51	896	[10]
52	896	[26]
53	896	[26]
54	896	[26]
55	896	[26]
56	896	[26]
57	896	[26]
58	994	[5]
59	994	[5]
60	994	[5]
61	994	[5]
62	994	[5]
63	994	[5]

Group : $C_2 * C_8$

Searching up to index : 500

How many normal groups are found : 1187

Total Time in s : 1677.0

Number	Index	Supergroups
1	1	[]
2	2	[1]
3	2	[1]
4	2	[1]
5	4	[2, 3, 4]
6	4	[2]
7	4	[2]
8	6	[4]

9	8	[6]
10	8	[5]
11	8	[5, 6, 7]
12	8	[5]
13	8	[6]
14	10	[4]
15	12	[5, 8]
16	14	[4]
17	16	[10]
18	16	[10, 11, 12]
19	16	[10]
20	16	[12]
21	16	[11]
22	16	[12]
23	16	[9, 11, 13]
24	18	[8]
25	20	[7]
26	20	[7]
27	20	[5, 14]
28	22	[4]
29	24	[8]
30	24	[11, 15]
31	24	[10, 15]
32	24	[12, 15]
33	26	[4]
34	28	[5, 16]
35	30	[8, 14]
36	32	[18]
37	32	[18]
38	32	[18]
39	32	[18]
40	32	[18, 21, 23]
41	32	[17]
42	32	[17, 18, 19]
43	32	[17]
44	32	[18, 20, 22]
45	34	[4]
46	36	[7]

47	36	[15, 24]
48	38	[4]
49	40	[10, 27]
50	40	[11, 25]
51	40	[11, 26]
52	40	[11, 27]
53	40	[12, 27]
54	42	[8, 16]
55	44	[5, 28]
56	46	[4]
57	48	[15, 29]
58	48	[29]
59	48	[29]
60	48	[23, 30]
61	48	[17, 31]
62	48	[18, 30, 31, 32]
63	48	[19, 31]
64	48	[20, 32]
65	48	[21, 30]
66	48	[22, 32]
67	50	[14]
68	52	[5, 33]
69	52	[7]
70	52	[7]
71	54	[24]
72	56	[10, 34]
73	56	[11, 34]
74	56	[12, 34]
75	58	[4]
76	60	[15, 27, 35]
77	62	[4]
78	64	[36]
79	64	[36]
80	64	[36]
81	64	[39, 40, 42]
82	64	[38, 40, 44]
83	64	[37, 42, 44]
84	64	[36, 37, 40]

85	64	[36, 39, 44]
86	64	[36, 38, 42]
87	64	[36]
88	64	[37, 38, 39]
89	64	[41]
90	64	[41, 42, 43]
91	64	[41]
92	64	[42]
93	64	[42]
94	64	[42]
95	66	[8, 28]
96	68	[5, 45]
97	68	[7]
98	68	[7]
99	70	[14, 16]
100	72	[12]
101	72	[11, 46]
102	72	[13]
103	72	[13]
104	72	[24, 29]
105	72	[30, 47]
106	72	[31, 47]
107	72	[32, 47]
108	74	[4]
109	76	[5, 48]
110	78	[8, 33]
111	80	[23, 52]
112	80	[17, 49]
113	80	[18, 49, 52, 53]
114	80	[18, 50]
115	80	[18, 51]
116	80	[19, 49]
117	80	[20, 53]
118	80	[21, 51]
119	80	[21, 50]
120	80	[21, 52]
121	80	[22, 53]
122	80	[23, 51]

123	80	[23, 50]
124	82	[4]
125	84	[15, 34, 54]
126	86	[4]
127	88	[10, 55]
128	88	[11, 55]
129	88	[12, 55]
130	90	[24, 35]
131	92	[5, 56]
132	94	[4]
133	96	[29]
134	96	[30, 57]
135	96	[31, 57]
136	96	[32, 57]
137	96	[42, 61, 62, 63]
138	96	[44, 62, 64, 66]
139	96	[40, 60, 62, 65]
140	96	[36, 62]
141	96	[37, 62]
142	96	[38, 62]
143	96	[39, 62]
144	96	[41, 61]
145	96	[43, 61]
146	96	[57]
147	96	[57]
148	96	[57]
149	96	[57, 58, 59]
150	98	[16]
151	100	[25]
152	100	[25, 26]
153	100	[26]
154	100	[27, 67]
155	102	[8, 45]
156	104	[10, 68]
157	104	[11, 68]
158	104	[11, 69]
159	104	[11, 70]
160	104	[12, 68]

161	106	[4]
162	108	[46]
163	108	[47, 71]
164	110	[14, 28]
165	112	[23, 73]
166	112	[17, 72]
167	112	[18, 72, 73, 74]
168	112	[19, 72]
169	112	[20, 74]
170	112	[21, 73]
171	112	[22, 74]
172	114	[8, 48]
173	116	[5, 75]
174	116	[7]
175	116	[7]
176	118	[4]
177	120	[4]
178	120	[2]
179	120	[30, 50]
180	120	[30, 51]
181	120	[29, 35]
182	120	[30, 52, 76]
183	120	[31, 49, 76]
184	120	[32, 53, 76]
185	122	[4]
186	124	[5, 77]
187	126	[24, 54]
188	128	[81, 90, 94]
189	128	[83, 90, 93]
190	128	[86, 90, 92]
191	128	[78, 85, 87]
192	128	[78]
193	128	[78]
194	128	[78]
195	128	[78]
196	128	[78, 79, 86]
197	128	[78, 80, 84]
198	128	[79, 80, 85]

199	128	[79]
200	128	[79]
201	128	[79]
202	128	[79]
203	128	[79, 84, 87]
204	128	[80]
205	128	[80]
206	128	[80, 86, 87]
207	128	[80]
208	128	[80]
209	128	[81, 92, 93]
210	128	[81, 82, 83, 84, 85, 86, 88]
211	128	[82]
212	128	[82]
213	128	[83, 92, 94]
214	128	[86]
215	128	[86]
216	128	[86, 93, 94]
217	128	[89]
218	128	[89, 90, 91]
219	128	[89]
220	128	[90]
221	128	[90]
222	128	[90]
223	130	[14, 33]
224	132	[15, 55, 95]
225	134	[4]
226	136	[10, 96]
227	136	[11, 96]
228	136	[11, 97]
229	136	[11, 98]
230	136	[12, 96]
231	136	[13]
232	136	[13]
233	136	[13]
234	136	[13]
235	138	[8, 56]
236	140	[27, 34, 99]

237	142	[4]
238	144	[18, 101]
239	144	[18, 100]
240	144	[19]
241	144	[19]
242	144	[20, 100]
243	144	[20]
244	144	[20]
245	144	[21, 101]
246	144	[22, 100]
247	144	[23, 101]
248	144	[23, 102]
249	144	[23, 103]
250	144	[60, 105]
251	144	[61, 106]
252	144	[62, 105, 106, 107]
253	144	[63, 106]
254	144	[64, 107]
255	144	[65, 105]
256	144	[66, 107]
257	144	[47, 57, 104]
258	144	[58, 104]
259	144	[59, 104]
260	146	[4]
261	148	[5, 108]
262	148	[7]
263	148	[7]
264	150	[35, 67]
265	152	[10, 109]
266	152	[11, 109]
267	152	[12, 109]
268	154	[16, 28]
269	156	[15, 68, 110]
270	158	[4]
271	160	[14]
272	160	[42, 114]
273	160	[44, 114]
274	160	[42, 115]

275	160	[44, 115]
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289	160	[40, 114, 119, 123]
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294	160	[44, 113, 117, 121]
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304	168	[32, 74, 125]
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322	184	[12, 131]
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343	192	[82, 138, 139, 142]
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979	416	[39, 387]
980	416	[40, 386, 392, 395]
981	416	[40, 388, 391, 396]
982	416	[40, 387, 393, 397]
983	416	[41, 385]
984	416	[42, 386]
985	416	[42, 385, 387, 389]
986	416	[42, 388]
987	416	[43, 385]
988	416	[44, 388]
989	416	[44, 386]
990	416	[44, 387, 390, 394]
991	418	[28, 48]
992	420	[76, 125, 236, 398]
993	422	[4]
994	424	[10, 399]
995	424	[11, 399]
996	424	[11, 401]

997	424	[11, 400]
998	424	[12, 399]
999	426	[8, 237]
1000	428	[5, 402]
1001	430	[14, 126]
1002	432	[62, 238, 403]
1003	432	[58]
1004	432	[58]
1005	432	[59]
1006	432	[59]
1007	432	[60, 247, 403]
1008	432	[60, 249]
1009	432	[60, 248]
1010	432	[62, 239, 404]
1011	432	[63, 241]
1012	432	[63, 240]
1013	432	[64, 243]
1014	432	[64, 244]
1015	432	[64, 242, 404]
1016	432	[65, 245, 403]
1017	432	[66, 246, 404]
1018	432	[250, 406]
1019	432	[251, 407]
1020	432	[252, 406, 407, 408]
1021	432	[253, 407]
1022	432	[254, 408]
1023	432	[255, 406]
1024	432	[256, 408]
1025	432	[163, 257, 405]
1026	432	[258, 405]
1027	432	[259, 405]
1028	432	[247, 410]
1029	432	[238, 410]
1030	432	[245, 410]
1031	432	[239, 409]
1032	432	[240]
1033	432	[241]
1034	432	[242, 409]

1035	432	[243]
1036	432	[243]
1037	432	[243]
1038	432	[244]
1039	432	[244]
1040	432	[244]
1041	432	[246, 409]
1042	432	[248, 411]
1043	432	[249, 412]
1044	434	[16, 77]
1045	436	[5, 413]
1046	436	[7]
1047	436	[7]
1048	438	[8, 260]
1049	440	[50, 128]
1050	440	[51, 128]
1051	440	[49, 127, 414]
1052	440	[52, 128, 414]
1053	440	[53, 129, 414]
1054	442	[33, 45]
1055	444	[15, 261, 415]
1056	446	[4]
1057	448	[90, 421, 422, 423]
1058	448	[78, 416]
1059	448	[79, 416]
1060	448	[80, 416]
1061	448	[81, 419, 420, 422]
1062	448	[82, 418, 420, 424]
1063	448	[83, 417, 422, 424]
1064	448	[84, 416, 417, 420]
1065	448	[85, 416, 419, 424]
1066	448	[86, 416, 418, 422]
1067	448	[87, 416]
1068	448	[88, 417, 418, 419]
1069	448	[89, 421]
1070	448	[91, 421]
1071	448	[92, 422]
1072	448	[93, 422]

1073	448	[94, 422]
1074	450	[130, 264]
1075	452	[5, 425]
1076	452	[7]
1077	452	[7]
1078	454	[4]
1079	456	[29, 172]
1080	456	[30, 266, 426]
1081	456	[31, 265, 426]
1082	456	[32, 267, 426]
1083	458	[4]
1084	460	[27, 131, 427]
1085	462	[54, 95, 268]
1086	464	[17, 428]
1087	464	[18, 430]
1088	464	[18, 428, 431, 432]
1089	464	[18, 429]
1090	464	[19, 428]
1091	464	[20, 432]
1092	464	[21, 430]
1093	464	[21, 431]
1094	464	[21, 429]
1095	464	[22, 432]
1096	464	[23, 430]
1097	464	[23, 429]
1098	464	[23, 431]
1099	466	[4]
1100	468	[46, 69]
1101	468	[46, 70]
1102	468	[47, 269, 433]
1103	470	[14, 132]
1104	472	[10, 434]
1105	472	[11, 434]
1106	472	[12, 434]
1107	474	[8, 270]
1108	476	[34, 96, 435]
1109	478	[4]
1110	480	[134, 179]

1111	480	[134, 180]
1112	480	[35, 271]
1113	480	[140, 276, 441]
1114	480	[141, 279, 441]
1115	480	[142, 284, 441]
1116	480	[143, 285, 441]
1117	480	[139, 290, 439, 441, 444]
1118	480	[144, 291, 440]
1119	480	[137, 292, 440, 441, 442]
1120	480	[145, 293, 440]
1121	480	[138, 294, 441, 443, 445]
1122	480	[135, 183, 436]
1123	480	[134, 182, 436]
1124	480	[136, 184, 436]
1125	480	[149, 436, 446, 447]
1126	480	[137, 272, 437]
1127	480	[137, 274, 438]
1128	480	[138, 273, 437]
1129	480	[138, 275, 438]
1130	480	[139, 289, 437, 448, 450]
1131	480	[139, 288, 438, 449, 451]
1132	480	[133, 181]
1133	480	[140, 277, 437]
1134	480	[140, 278, 438]
1135	480	[141, 281, 438]
1136	480	[141, 280, 437]
1137	480	[142, 282, 437]
1138	480	[142, 283, 438]
1139	480	[143, 287, 438]
1140	480	[143, 286, 437]
1141	480	[146, 436]
1142	480	[147, 436]
1143	480	[148, 436]
1144	480	[11, 453]
1145	480	[10, 453]
1146	480	[12, 453]
1147	480	[9, 456]
1148	480	[10, 455]

1149	480	[11, 455, 456, 457]
1150	480	[12, 455]
1151	480	[13, 456]
1152	480	[452, 453, 454]
1153	480	[453]
1154	480	[453]
1155	480	[453]
1156	480	[455]
1157	480	[455]
1158	480	[455]
1159	480	[455]
1160	480	[457]
1161	480	[457]
1162	482	[4]
1163	484	[7]
1164	484	[55, 458]
1165	486	[295]
1166	488	[10, 459]
1167	488	[11, 460]
1168	488	[11, 459]
1169	488	[11, 461]
1170	488	[12, 459]
1171	490	[99, 150]
1172	492	[15, 296, 462]
1173	494	[33, 48]
1174	496	[17, 463]
1175	496	[18, 463, 464, 465]
1176	496	[19, 463]
1177	496	[20, 465]
1178	496	[21, 464]
1179	496	[22, 465]
1180	496	[23, 464]
1181	498	[8, 299]
1182	500	[151, 152]
1183	500	[151]
1184	500	[152, 153]
1185	500	[152]
1186	500	[153]

1187	500	[154, 466]
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Group : $C_2 * C_{10}$

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 177.3

Number	Index	Supergroups
1	1	[]
2	2	[1]
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4	2	[1]
5	4	[2, 3, 4]
6	5	[1]
7	6	[4]
8	8	[5]
9	10	[4]
10	10	[3]
11	10	[2, 6]
12	10	[3, 6]
13	10	[4, 6]
14	12	[5, 7]
15	14	[4]
16	16	[8]
17	18	[7]
18	20	[5, 9]
19	20	[5, 11, 12, 13]
20	20	[5, 10]
21	22	[4]
22	24	[8, 14]
23	26	[4]
24	28	[5, 15]
25	30	[7, 13]
26	30	[7, 9]
27	32	[16]
28	34	[4]

29	36	[14, 17]
30	38	[4]
31	40	[8, 19]
32	40	[8, 18]
33	40	[8, 20]
34	42	[7, 15]
35	44	[5, 21]
36	46	[4]
37	48	[16, 22]
38	50	[9, 13]
39	50	[9]
40	50	[10, 12]
41	52	[5, 23]
42	54	[17]
43	56	[8, 24]
44	58	[4]
45	60	[1]
46	60	[1]
47	60	[14, 20]
48	60	[14, 19, 25]
49	60	[14, 18, 26]
50	62	[4]
51	64	[27]
52	66	[7, 21]
53	68	[5, 28]
54	70	[9, 15]
55	70	[13, 15]
56	72	[22, 29]
57	74	[4]
58	76	[5, 30]
59	78	[7, 23]
60	80	[6]
61	80	[16, 33]
62	80	[16, 32]
63	80	[16, 31]
64	82	[4]
65	84	[14, 24, 34]
66	86	[4]

67	88	[8, 35]
68	90	[17, 26]
69	90	[17, 25]
70	92	[5, 36]
71	94	[4]
72	96	[27, 37]
73	98	[15]
74	100	[18, 20]
75	100	[18, 19, 38]
76	100	[19, 20, 40]
77	100	[18, 39]
78	102	[7, 28]
79	104	[8, 41]
80	106	[4]
81	108	[29, 42]
82	110	[9, 21]
83	110	[12]
84	110	[12]
85	110	[12]
86	110	[12]
87	110	[13, 21]
88	110	[13]
89	110	[13]
90	110	[13]
91	110	[13]
92	112	[16, 43]
93	114	[7, 30]
94	116	[5, 44]
95	118	[4]
96	120	[3]
97	120	[3]
98	120	[22, 31, 48]
99	120	[22, 33, 47]
100	120	[22, 32, 49]
101	120	[4, 45]
102	120	[3, 45]
103	120	[2, 45]
104	120	[4, 46]

105	120	[3, 46]
106	120	[2, 46]
107	122	[4]
108	124	[5, 50]
109	126	[17, 34]
110	128	[51]
111	130	[9, 23]
112	130	[13, 23]
113	132	[14, 35, 52]
114	134	[4]
115	136	[8, 53]
116	138	[7, 36]
117	140	[20, 24]
118	140	[19, 24, 55]
119	140	[18, 24, 54]
120	142	[4]
121	144	[37, 56]
122	146	[4]
123	148	[5, 57]
124	150	[7]
125	150	[25, 26, 38]
126	150	[26, 39]
127	152	[8, 58]
128	154	[15, 21]
129	156	[14, 41, 59]
130	158	[4]
131	160	[10]
132	160	[11, 60]
133	160	[12, 60]
134	160	[13, 60]
135	160	[27, 62]
136	160	[27, 61]
137	160	[27, 63]
138	160	[60]
139	160	[60]
140	160	[60]
141	160	[60]
142	162	[42]

143	164	[5, 64]
144	166	[4]
145	168	[22, 43, 65]
146	170	[9, 28]
147	170	[13, 28]
148	172	[5, 66]
149	174	[7, 44]
150	176	[16, 67]
151	178	[4]
152	180	[29, 47]
153	180	[29, 48, 69]
154	180	[29, 49, 68]
155	182	[15, 23]
156	184	[8, 70]
157	186	[7, 50]
158	188	[5, 71]
159	190	[9, 30]
160	190	[13, 30]
161	192	[51, 72]
162	194	[4]
163	196	[24, 73]
164	198	[17, 52]
165	200	[8]
166	200	[31, 32, 75]
167	200	[31, 33, 76]
168	200	[32, 77]
169	200	[32, 33, 74]
170	202	[4]
171	204	[14, 53, 78]
172	206	[4]
173	208	[16, 79]
174	210	[25, 34, 55]
175	210	[26, 34, 54]
176	212	[5, 80]
177	214	[4]
178	216	[56, 81]
179	218	[4]
180	220	[18, 35, 82]

181	220	[19, 85]
182	220	[19, 90]
183	220	[19, 88]
184	220	[19, 89]
185	220	[19, 84]
186	220	[19, 86]
187	220	[19, 35, 87]
188	220	[19, 83]
189	220	[19, 91]
190	220	[20, 35]
191	222	[7, 57]
192	224	[27, 92]
193	226	[4]
194	228	[14, 58, 93]
195	230	[9, 36]
196	230	[13, 36]
197	232	[8, 94]
198	234	[17, 59]
199	236	[5, 95]
200	238	[15, 28]
201	240	[37, 63, 98]
202	240	[37, 62, 100]
203	240	[37, 61, 99]
204	240	[5, 101, 102, 103]
205	240	[5, 104, 105, 106]
206	240	[96]
207	240	[5, 96]
208	240	[96]
209	240	[97]
210	240	[5, 97]
211	240	[97]
212	240	[102]
213	240	[102]
214	240	[105]
215	240	[105]
216	242	[21]
217	244	[5, 107]
218	246	[7, 64]

219	248	[8, 108]
220	250	[38]
221	250	[38, 39]
222	250	[38]
223	250	[38]
224	250	[38]
225	250	[38]
226	250	[39]
227	250	[40]
228	252	[29, 65, 109]
229	254	[4]
230	256	[110]
231	258	[7, 66]
232	260	[18, 41, 111]
233	260	[19, 41, 112]
234	260	[20, 41]
235	262	[4]
236	264	[22, 67, 113]
237	266	[15, 30]
238	268	[5, 114]
239	270	[42, 69]
240	270	[42, 68]
241	272	[16, 115]
242	274	[4]
243	276	[14, 70, 116]
244	278	[4]
245	280	[31, 43, 118]
246	280	[32, 43, 119]
247	280	[33, 43, 117]
248	282	[7, 71]
249	284	[5, 120]
250	286	[21, 23]
251	288	[72, 121]
252	290	[9, 44]
253	290	[13, 44]
254	292	[5, 122]
255	294	[34, 73]
256	296	[8, 123]

257	298	[4]
258	300	[14]
259	300	[14, 124]
260	300	[47, 48, 76]
261	300	[48, 49, 75, 125]
262	300	[47, 49, 74]
263	300	[49, 77, 126]
264	300	[6, 45]
265	300	[6, 46]
266	302	[4]
267	304	[16, 127]
268	306	[17, 78]
269	308	[24, 35, 128]
270	310	[9, 50]
271	310	[12]
272	310	[12]
273	310	[12]
274	310	[12]
275	310	[13]
276	310	[13]
277	310	[13, 50]
278	310	[13]
279	310	[13]
280	312	[22, 79, 129]
281	314	[4]
282	316	[5, 130]
283	318	[7, 80]
284	320	[19, 132, 133, 134]
285	320	[20, 131]
286	320	[51, 135]
287	320	[51, 136]
288	320	[51, 137]
289	320	[131]
290	320	[131]
291	320	[131]
292	320	[131]
293	320	[131]
294	320	[131]

295	320	[132, 139, 141]
296	320	[132, 138, 140]
297	320	[133]
298	320	[133]
299	320	[133, 139, 140]
300	320	[133]
301	320	[133]
302	320	[133, 138, 141]
303	320	[134, 140, 141]
304	320	[134, 138, 139]
305	322	[15, 36]
306	324	[81, 142]
307	326	[4]
308	328	[8, 143]
309	330	[25, 89]
310	330	[25, 52, 87]
311	330	[25, 90]
312	330	[25, 88]
313	330	[25, 91]
314	330	[26, 52, 82]
315	332	[5, 144]
316	334	[4]
317	336	[37, 92, 145]
318	338	[23]
319	340	[18, 53, 146]
320	340	[19, 53, 147]
321	340	[20, 53]
322	342	[17, 93]
323	344	[8, 148]
324	346	[4]
325	348	[14, 94, 149]
326	350	[38, 54, 55]
327	350	[39, 54]
328	352	[27, 150]
329	354	[7, 95]
330	356	[5, 151]
331	358	[4]
332	360	[1]

333	360	[1]
334	360	[56, 98, 153]
335	360	[56, 100, 154]
336	360	[56, 99, 152]
337	360	[7, 101]
338	360	[7, 104]
339	362	[4]
340	364	[24, 41, 155]
341	366	[7, 107]
342	368	[16, 156]
343	370	[9, 57]
344	370	[13, 57]
345	372	[14, 108, 157]
346	374	[21, 28]
347	376	[8, 158]
348	378	[42, 109]
349	380	[18, 58, 159]
350	380	[19, 58, 160]
351	380	[20, 58]
352	382	[4]
353	384	[110, 161]
354	386	[4]
355	388	[5, 162]
356	390	[25, 59, 112]
357	390	[26, 59, 111]
358	392	[43, 163]
359	394	[4]
360	396	[29, 113, 164]
361	398	[4]
362	400	[16, 165]
363	400	[62, 63, 166]
364	400	[62, 168]
365	400	[61, 63, 167]
366	400	[61, 62, 169]
367	402	[7, 114]
368	404	[5, 170]
369	406	[15, 44]
370	408	[22, 115, 171]

371	410	[9, 64]
372	410	[12]
373	410	[12]
374	410	[12]
375	410	[12]
376	410	[13]
377	410	[13, 64]
378	410	[13]
379	410	[13]
380	410	[13]
381	412	[5, 172]
382	414	[17, 116]
383	416	[27, 173]
384	418	[21, 30]
385	420	[48, 65, 118, 174]
386	420	[49, 65, 119, 175]
387	420	[47, 65, 117]
388	422	[4]
389	424	[8, 176]
390	426	[7, 120]
391	428	[5, 177]
392	430	[9, 66]
393	430	[13, 66]
394	432	[121, 178]
395	434	[15, 50]
396	436	[5, 179]
397	438	[7, 122]
398	440	[31, 182]
399	440	[31, 181]
400	440	[31, 186]
401	440	[31, 189]
402	440	[31, 183]
403	440	[31, 67, 187]
404	440	[31, 188]
405	440	[31, 184]
406	440	[31, 185]
407	440	[32, 67, 180]
408	440	[33, 67, 190]

409	442	[23, 28]
410	444	[14, 123, 191]
411	446	[4]
412	448	[51, 192]
413	450	[17, 124]
414	450	[68, 69, 125]
415	450	[68, 126]
416	452	[5, 193]
417	454	[4]
418	456	[22, 127, 194]
419	458	[4]
420	460	[18, 70, 195]
421	460	[19, 70, 196]
422	460	[20, 70]
423	462	[34, 52, 128]
424	464	[16, 197]
425	466	[4]
426	468	[29, 129, 198]
427	470	[9, 71]
428	470	[13, 71]
429	472	[8, 199]
430	474	[7, 130]
431	476	[24, 53, 200]
432	478	[4]
433	480	[25, 134]
434	480	[72, 137, 201]
435	480	[72, 135, 202]
436	480	[8, 204]
437	480	[8, 205]
438	480	[72, 136, 203]
439	480	[8, 207]
440	480	[8, 210]
441	480	[204]
442	480	[204, 212, 213]
443	480	[205, 214, 215]
444	480	[205]
445	480	[206, 207, 208]
446	480	[207]

447	480	[209, 210, 211]
448	480	[210]
449	482	[4]
450	484	[35, 216]
451	486	[142]
452	488	[8, 217]
453	490	[54, 73]
454	490	[55, 73]
455	492	[14, 143, 218]
456	494	[23, 30]
457	496	[16, 219]
458	498	[7, 144]
459	500	[74]
460	500	[74, 77]
461	500	[74, 75, 76]
462	500	[75, 220]
463	500	[75, 77, 221]
464	500	[75, 224]
465	500	[75, 225]
466	500	[75, 222]
467	500	[75, 223]
468	500	[76, 227]
469	500	[77, 226]

Group : $C_2 * C_{11}$

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 15.2

Number	Index	Supergroups
1	1	[]
2	2	[1]
3	11	[1]
4	22	[2]
5	22	[2, 3]
6	242	[4, 5]

7	506	[5]
8	506	[5]
9	506	[5]
10	506	[5]
11	506	[5]
12	506	[5]
13	506	[5]
14	506	[5]
15	506	[5]
16	506	[5]
17	660	[1]
18	660	[1]
19	660	[1]
20	660	[1]
21	660	[1]

Group : $C_2 * C_{12}$

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 77.4

Number	Index	Supergroups
1	1	[]
2	2	[1]
3	2	[1]
4	2	[1]
5	3	[1]
6	4	[2, 3, 4]
7	4	[2]
8	4	[2]
9	6	[2, 5]
10	6	[3, 5]
11	6	[3]
12	6	[4, 5]
13	6	[4]
14	8	[6]

15	8	[6, 7, 8]
16	8	[6]
17	10	[4]
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328	144	[83, 88, 138, 143, 144]
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355	150	[52, 98]