

# FreeProductsGroupLattice

September 4, 2018

**Group :**  $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 527

Total Time in s : 552.8

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8	24	[ 4, 6 ]
9	24	[ 5 ]
10	42	[ 4 ]
11	42	[ 4 ]
12	48	[ 9 ]
13	48	[ 8 ]
14	54	[ 7 ]
15	60	[ 1 ]
16	72	[ 7, 9 ]
17	72	[ 7, 8 ]
18	78	[ 4 ]
19	78	[ 4 ]
20	96	[ 8 ]
21	96	[ 9 ]

22	114	[ 4 ]
23	114	[ 4 ]
24	120	[ 2, 15 ]
25	126	[ 7, 10 ]
26	126	[ 7, 11 ]
27	144	[ 13, 17 ]
28	144	[ 12, 16 ]
29	150	[ 4 ]
30	150	[ 5 ]
31	162	[ 14 ]
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 ]
41	216	[ 14, 17 ]
42	216	[ 14, 16 ]
43	222	[ 4 ]
44	222	[ 4 ]
45	234	[ 7, 18 ]
46	234	[ 7, 19 ]
47	240	[ 24 ]
48	258	[ 4 ]
49	258	[ 4 ]
50	288	[ 16, 17 ]
51	288	[ 17, 20 ]
52	288	[ 16, 21 ]
53	294	[ 5 ]
54	294	[ 10, 11 ]
55	294	[ 11 ]
56	294	[ 10 ]
57	312	[ 8, 18 ]
58	312	[ 8, 19 ]
59	324	[ 6 ]

60	336	[ 2 ]
61	336	[ 2 ]
62	336	[ 2, 33 ]
63	336	[ 13, 35 ]
64	336	[ 13, 34 ]
65	342	[ 7, 23 ]
66	342	[ 7, 22 ]
67	360	[ 5, 24 ]
68	360	[ 4, 24, 36 ]
69	366	[ 4 ]
70	366	[ 4 ]
71	378	[ 14, 25 ]
72	378	[ 14, 26 ]
73	384	[ 39 ]
74	384	[ 20 ]
75	384	[ 40 ]
76	384	[ 21 ]
77	402	[ 4 ]
78	402	[ 4 ]
79	432	[ 12 ]
80	432	[ 12 ]
81	432	[ 28, 42 ]
82	432	[ 27, 41 ]
83	438	[ 4 ]
84	438	[ 4 ]
85	450	[ 7, 29 ]
86	450	[ 7, 30 ]
87	456	[ 8, 22 ]
88	456	[ 8, 23 ]
89	474	[ 4 ]
90	474	[ 4 ]
91	486	[ 31, 32 ]
92	486	[ 31 ]
93	486	[ 32 ]
94	486	[ 32 ]
95	486	[ 32 ]
96	504	[ 1 ]
97	504	[ 1 ]

98	504	[ 16, 25 ]
99	504	[ 16, 26 ]
100	504	[ 17, 25, 35 ]
101	504	[ 17, 26, 34 ]
102	504	[ 3, 33 ]
103	546	[ 10, 18 ]
104	546	[ 11, 18 ]
105	546	[ 10, 19 ]
106	546	[ 11, 19 ]
107	558	[ 7, 37 ]
108	558	[ 7, 38 ]
109	576	[ 27, 39, 51 ]
110	576	[ 27, 50 ]
111	576	[ 50 ]
112	576	[ 28, 50 ]
113	576	[ 28, 40, 52 ]
114	582	[ 4 ]
115	582	[ 4 ]
116	600	[ 8, 29 ]
117	600	[ 9, 30 ]
118	618	[ 4 ]
119	618	[ 4 ]
120	624	[ 13, 57 ]
121	624	[ 13, 58 ]
122	648	[ 8, 59 ]
123	648	[ 9 ]
124	648	[ 32, 41 ]
125	648	[ 31, 41 ]
126	648	[ 31, 42 ]
127	648	[ 32, 42 ]
128	654	[ 4 ]
129	654	[ 4 ]
130	660	[ 1 ]
131	666	[ 7, 43 ]
132	666	[ 7, 44 ]
133	672	[ 20, 35 ]
134	672	[ 20, 34 ]
135	672	[ 62 ]

136	672	[ 60 ]
137	672	[ 61 ]
138	702	[ 14, 45 ]
139	702	[ 14, 46 ]
140	720	[ 2 ]
141	720	[ 2 ]
142	720	[ 6, 36 ]
143	720	[ 47, 68 ]
144	720	[ 47, 67 ]
145	726	[ 4 ]
146	726	[ 5 ]
147	744	[ 8, 37 ]
148	744	[ 8, 38 ]
149	750	[ 29 ]
150	750	[ 30 ]
151	762	[ 4 ]
152	762	[ 4 ]
153	768	[ 39 ]
154	768	[ 39 ]
155	768	[ 39 ]
156	768	[ 39 ]
157	768	[ 39, 74 ]
158	768	[ 40, 76 ]
159	768	[ 40 ]
160	768	[ 40 ]
161	774	[ 7, 48 ]
162	774	[ 7, 49 ]
163	798	[ 10, 22 ]
164	798	[ 11, 22 ]
165	798	[ 10, 23 ]
166	798	[ 11, 23 ]
167	834	[ 4 ]
168	834	[ 4 ]
169	864	[ 41, 51 ]
170	864	[ 42, 52 ]
171	864	[ 41, 42, 50 ]
172	882	[ 25, 56 ]
173	882	[ 25, 26, 54 ]

174	882	[ 26, 55 ]
175	882	[ 7, 53 ]
176	888	[ 8, 43 ]
177	888	[ 8, 44 ]
178	906	[ 4 ]
179	906	[ 4 ]
180	912	[ 13, 87 ]
181	912	[ 13, 88 ]
182	936	[ 16, 45 ]
183	936	[ 17, 45, 57 ]
184	936	[ 16, 46 ]
185	936	[ 17, 46, 58 ]
186	942	[ 4 ]
187	942	[ 4 ]
188	978	[ 4 ]
189	978	[ 4 ]
190	1008	[ 2, 97 ]
191	1008	[ 2, 96 ]
192	1008	[ 28, 98 ]
193	1008	[ 28, 99 ]
194	1008	[ 27, 63, 100 ]
195	1008	[ 27, 64, 101 ]
196	1008	[ 4, 62, 102 ]
197	1008	[ 5, 62 ]
198	1008	[ 4, 60 ]
199	1008	[ 5, 60 ]
200	1008	[ 4, 61 ]
201	1008	[ 5, 61 ]
202	1014	[ 18 ]
203	1014	[ 18, 19 ]
204	1014	[ 19 ]
205	1014	[ 5 ]
206	1026	[ 14, 66 ]
207	1026	[ 14, 65 ]
208	1032	[ 8, 48 ]
209	1032	[ 8, 49 ]
210	1050	[ 10, 29 ]
211	1050	[ 11, 29 ]

212	1080	[ 7, 67, 68 ]
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214	1086	[ 4 ]
215	1092	[ 1 ]
216	1092	[ 1 ]
217	1092	[ 1 ]
218	1092	[ 1 ]
219	1098	[ 7, 69 ]
220	1098	[ 7, 70 ]
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222	1134	[ 31, 72 ]
223	1134	[ 32, 71 ]
224	1134	[ 32, 72 ]
225	1152	[ 73, 109 ]
226	1152	[ 110, 111, 112 ]
227	1152	[ 51, 74 ]
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229	1152	[ 50, 52 ]
230	1152	[ 75, 113 ]
231	1152	[ 52, 76 ]
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233	1158	[ 4 ]
234	1176	[ 34, 55 ]
235	1176	[ 34, 35, 54 ]
236	1176	[ 35, 56 ]
237	1176	[ 9, 53 ]
238	1194	[ 4 ]
239	1194	[ 4 ]
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242	1200	[ 13, 116 ]
243	1200	[ 13 ]
244	1206	[ 7, 77 ]
245	1206	[ 7, 78 ]
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247	1248	[ 20, 58 ]
248	1266	[ 4 ]
249	1266	[ 4 ]

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254	1296	[ 80 ]
255	1296	[ 79 ]
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257	1296	[ 82, 125 ]
258	1296	[ 82, 124 ]
259	1296	[ 13, 122 ]
260	1302	[ 10, 37 ]
261	1302	[ 11, 37 ]
262	1302	[ 10, 38 ]
263	1302	[ 11, 38 ]
264	1314	[ 7, 84 ]
265	1314	[ 7, 83 ]
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267	1320	[ 2 ]
268	1320	[ 2 ]
269	1320	[ 2 ]
270	1320	[ 2, 130 ]
271	1338	[ 4 ]
272	1338	[ 4 ]
273	1344	[ 33 ]
274	1344	[ 33 ]
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276	1344	[ 39, 64, 134 ]
277	1350	[ 14, 85 ]
278	1350	[ 14, 86 ]
279	1368	[ 16, 66 ]
280	1368	[ 17, 66, 87 ]
281	1368	[ 16, 65 ]
282	1368	[ 17, 65, 88 ]
283	1374	[ 4 ]
284	1374	[ 4 ]
285	1422	[ 7, 89 ]
286	1422	[ 7, 90 ]
287	1440	[ 8, 68, 142 ]



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289	1440	[ 142 ]
290	1440	[ 142 ]
291	1440	[ 140 ]
292	1440	[ 141 ]
293	1446	[ 4 ]
294	1446	[ 4 ]
295	1458	[ 92 ]
296	1458	[ 91, 92 ]
297	1458	[ 91 ]
298	1458	[ 91, 93, 94, 95 ]
299	1458	[ 91 ]
300	1458	[ 95 ]
301	1464	[ 8, 69 ]
302	1464	[ 8, 70 ]
303	1482	[ 18, 22 ]
304	1482	[ 19, 22 ]
305	1482	[ 18, 23 ]
306	1482	[ 19, 23 ]
307	1488	[ 13, 147 ]
308	1488	[ 13, 148 ]
309	1500	[ 6 ]
310	1512	[ 3 ]
311	1512	[ 3 ]
312	1512	[ 41, 72, 101 ]
313	1512	[ 41, 71, 100 ]
314	1512	[ 42, 71, 98 ]
315	1512	[ 42, 72, 99 ]
316	1512	[ 3, 96 ]
317	1512	[ 3, 97 ]
318	1536	[ 73, 157 ]
319	1536	[ 73, 154 ]
320	1536	[ 73, 155 ]
321	1536	[ 73, 156 ]
322	1536	[ 73, 153 ]
323	1536	[ 154 ]
324	1536	[ 154 ]
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329	1536	[ 159 ]
330	1536	[ 159 ]
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333	1554	[ 11, 43 ]
334	1554	[ 10, 44 ]
335	1554	[ 11, 44 ]
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337	1608	[ 8, 78 ]
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339	1626	[ 4 ]
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341	1638	[ 25, 46, 105 ]
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343	1638	[ 26, 46, 106 ]
344	1662	[ 4 ]
345	1662	[ 4 ]
346	1674	[ 14, 107 ]
347	1674	[ 14, 108 ]
348	1698	[ 4 ]
349	1698	[ 4 ]
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352	1728	[ 81, 112, 171 ]
353	1728	[ 82, 110, 171 ]
354	1728	[ 40, 79 ]
355	1728	[ 40, 80 ]
356	1728	[ 111, 171 ]
357	1734	[ 4 ]
358	1734	[ 5 ]
359	1746	[ 7, 114 ]
360	1746	[ 7, 115 ]
361	1752	[ 8, 84 ]
362	1752	[ 8, 83 ]
363	1776	[ 13, 176 ]

364	1776	[ 13, 177 ]
365	1800	[ 16, 85 ]
366	1800	[ 17, 85, 116 ]
367	1800	[ 17, 86 ]
368	1800	[ 16, 86, 117 ]
369	1806	[ 10, 48 ]
370	1806	[ 10, 49 ]
371	1806	[ 11, 49 ]
372	1806	[ 11, 48 ]
373	1824	[ 20, 87 ]
374	1824	[ 20, 88 ]
375	1842	[ 4 ]
376	1842	[ 4 ]
377	1854	[ 7, 118 ]
378	1854	[ 7, 119 ]
379	1872	[ 28, 182 ]
380	1872	[ 28, 184 ]
381	1872	[ 27, 120, 183 ]
382	1872	[ 27, 121, 185 ]
383	1878	[ 4 ]
384	1878	[ 4 ]
385	1896	[ 8, 89 ]
386	1896	[ 8, 90 ]
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389	1944	[ 16, 123 ]
390	1944	[ 93, 124 ]
391	1944	[ 95, 124 ]
392	1944	[ 91, 124, 125 ]
393	1944	[ 94, 124 ]
394	1944	[ 92, 125 ]
395	1944	[ 92, 126 ]
396	1944	[ 91, 126, 127 ]
397	1944	[ 94, 127 ]
398	1944	[ 93, 127 ]
399	1944	[ 95, 127 ]
400	1950	[ 18, 29 ]
401	1950	[ 19, 29 ]

402	1962	[ 7, 128 ]
403	1962	[ 7, 129 ]
404	1980	[ 3, 130 ]
405	1986	[ 4 ]
406	1986	[ 4 ]
407	1998	[ 14, 131 ]
408	1998	[ 14, 132 ]
409	2016	[ 52, 98 ]
410	2016	[ 52, 99 ]
411	2016	[ 51, 100, 133 ]
412	2016	[ 50, 98, 100 ]
413	2016	[ 51, 101, 134 ]
414	2016	[ 50, 99, 101 ]
415	2016	[ 6, 102 ]
416	2016	[ 135, 196 ]
417	2016	[ 135, 197 ]
418	2016	[ 136, 198 ]
419	2016	[ 136, 199 ]
420	2016	[ 137, 200 ]
421	2016	[ 137, 201 ]
422	2022	[ 4 ]
423	2022	[ 4 ]
424	2058	[ 54, 55 ]
425	2058	[ 54, 56 ]
426	2058	[ 54 ]
427	2058	[ 55 ]
428	2058	[ 56 ]
429	2058	[ 53 ]
430	2064	[ 13, 208 ]
431	2064	[ 13, 209 ]
432	2094	[ 4 ]
433	2094	[ 4 ]
434	2106	[ 31, 138 ]
435	2106	[ 32, 138 ]
436	2106	[ 31, 139 ]
437	2106	[ 32, 139 ]
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440	2160	[ 5, 140 ]
441	2160	[ 140 ]
442	2160	[ 140 ]
443	2160	[ 4, 140 ]
444	2160	[ 141 ]
445	2160	[ 5, 141 ]
446	2160	[ 141 ]
447	2160	[ 141 ]
448	2160	[ 4, 141 ]
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450	2166	[ 22, 23 ]
451	2166	[ 23 ]
452	2166	[ 5 ]
453	2178	[ 7, 145 ]
454	2178	[ 7, 146 ]
455	2184	[ 2 ]
456	2184	[ 2 ]
457	2184	[ 2 ]
458	2184	[ 2 ]
459	2184	[ 2 ]
460	2184	[ 34, 57, 104 ]
461	2184	[ 34, 58, 106 ]
462	2184	[ 35, 57, 103 ]
463	2184	[ 35, 58, 105 ]
464	2184	[ 2, 215 ]
465	2184	[ 2, 216 ]
466	2184	[ 2, 217 ]
467	2184	[ 2, 218 ]
468	2202	[ 4 ]
469	2202	[ 4 ]
470	2232	[ 16, 107 ]
471	2232	[ 17, 107, 147 ]
472	2232	[ 16, 108 ]
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475	2238	[ 4 ]
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479	2274	[ 4 ]
480	2286	[ 7, 152 ]
481	2286	[ 7, 151 ]
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483	2304	[ 109, 155 ]
484	2304	[ 109, 153 ]
485	2304	[ 109, 156 ]
486	2304	[ 109, 154 ]
487	2304	[ 109, 110, 228 ]
488	2304	[ 110, 229 ]
489	2304	[ 112, 228 ]
490	2304	[ 111, 228 ]
491	2304	[ 111, 229 ]
492	2304	[ 112, 113, 229 ]
493	2304	[ 113, 159 ]
494	2304	[ 113, 160 ]
495	2304	[ 113, 158, 231 ]
496	2322	[ 14, 161 ]
497	2322	[ 14, 162 ]
498	2328	[ 8, 114 ]
499	2328	[ 8, 115 ]
500	2352	[ 12, 237 ]
501	2352	[ 63, 236 ]
502	2352	[ 63, 64, 235 ]
503	2352	[ 64, 234 ]
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505	2382	[ 4 ]
506	2394	[ 25, 66, 163 ]
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508	2394	[ 26, 66, 164 ]
509	2394	[ 26, 65, 166 ]
510	2400	[ 20, 116 ]
511	2400	[ 21, 117 ]
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513	2418	[ 19, 37 ]
514	2418	[ 18, 38 ]
515	2418	[ 19, 38 ]

516	2448	[ 1 ]
517	2448	[ 1 ]
518	2448	[ 1 ]
519	2448	[ 1 ]
520	2448	[ 1 ]
521	2448	[ 1 ]
522	2454	[ 4 ]
523	2454	[ 4 ]
524	2472	[ 8, 118 ]
525	2472	[ 8, 119 ]
526	2496	[ 39, 120, 246 ]
527	2496	[ 39, 121, 247 ]

**Group :**  $C_2 * C_4$

Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 410.1

Number	Index	Supergroups
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13	12	[ 5, 8 ]
14	14	[ 4 ]
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35	34	[ 4 ]
36	36	[ 7 ]
37	36	[ 13, 18 ]
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40	40	[ 10, 21 ]
41	40	[ 10, 19 ]
42	40	[ 10, 20 ]
43	40	[ 11, 21 ]
44	42	[ 8, 14 ]
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46	46	[ 4 ]
47	48	[ 13, 23 ]
48	48	[ 15, 24 ]
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50	48	[ 17, 24 ]
51	50	[ 12 ]
52	52	[ 5, 27 ]
53	52	[ 7 ]
54	52	[ 7 ]
55	54	[ 18 ]



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57	56	[ 10, 28 ]
58	56	[ 11, 28 ]
59	58	[ 4 ]
60	60	[ 13, 21, 29 ]
61	62	[ 4 ]
62	64	[ 30 ]
63	64	[ 30 ]
64	64	[ 32 ]
65	64	[ 32, 33, 34 ]
66	64	[ 32 ]
67	64	[ 30, 31, 33 ]
68	64	[ 33 ]
69	66	[ 8, 22 ]
70	68	[ 5, 35 ]
71	68	[ 7 ]
72	68	[ 7 ]
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75	72	[ 24, 37 ]
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78	72	[ 26, 37 ]
79	72	[ 18, 23 ]
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81	76	[ 5, 38 ]
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86	80	[ 16, 41 ]
87	80	[ 16, 42 ]
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91	88	[ 10, 45 ]
92	88	[ 9, 45 ]
93	88	[ 11, 45 ]

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107	100	[ 19, 20 ]
108	100	[ 19 ]
109	100	[ 20 ]
110	102	[ 8, 35 ]
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113	104	[ 11, 52 ]
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115	104	[ 10, 54 ]
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210	180	[ 19, 36 ]
211	180	[ 20, 36 ]
212	182	[ 14, 27 ]
213	184	[ 10, 95 ]
214	184	[ 9, 95 ]
215	184	[ 11, 95 ]
216	186	[ 8, 61 ]
217	188	[ 5, 96 ]
218	190	[ 12, 38 ]
219	192	[ 47 ]
220	192	[ 64, 97 ]
221	192	[ 65, 97, 98, 99 ]
222	192	[ 66, 97 ]
223	192	[ 67, 98, 100, 101 ]
224	192	[ 68, 98 ]
225	192	[ 48, 102 ]
226	192	[ 62, 101 ]
227	192	[ 63, 101 ]
228	192	[ 49, 102, 103, 104 ]
229	192	[ 50, 102 ]
230	192	[ 103 ]
231	192	[ 103 ]
232	192	[ 104 ]
233	192	[ 104 ]
234	194	[ 4 ]
235	196	[ 28, 105 ]
236	196	[ 7 ]
237	198	[ 18, 69 ]
238	200	[ 39, 106 ]
239	200	[ 40, 106 ]
240	200	[ 40, 42 ]
241	200	[ 40, 41 ]
242	200	[ 41, 108 ]
243	200	[ 41, 42, 107 ]
244	200	[ 42, 109 ]
245	200	[ 43, 106 ]

246	200	[ 11 ]
247	202	[ 4 ]
248	204	[ 13, 70, 110 ]
249	206	[ 4 ]
250	208	[ 15, 112 ]
251	208	[ 16, 111, 112, 113 ]
252	208	[ 17, 112 ]
253	208	[ 16, 114 ]
254	208	[ 16, 115 ]
255	210	[ 29, 44, 73 ]
256	212	[ 5, 116 ]
257	212	[ 7 ]
258	212	[ 7 ]
259	214	[ 4 ]
260	216	[ 75, 117 ]
261	216	[ 76, 117 ]
262	216	[ 25, 77 ]
263	216	[ 77, 118 ]
264	216	[ 78, 117 ]
265	216	[ 26, 74 ]
266	216	[ 74 ]
267	216	[ 55, 79 ]
268	218	[ 4 ]
269	220	[ 21, 45, 119 ]
270	222	[ 8, 80 ]
271	224	[ 32, 120 ]
272	224	[ 33, 120, 121, 122 ]
273	224	[ 34, 120 ]
274	224	[ 31, 121 ]
275	224	[ 30, 121 ]
276	226	[ 4 ]
277	228	[ 13, 81, 123 ]
278	230	[ 12, 46 ]
279	232	[ 10, 124 ]
280	232	[ 9, 124 ]
281	232	[ 11, 124 ]
282	232	[ 10, 125 ]
283	232	[ 10, 126 ]

284	234	[ 18, 82 ]
285	236	[ 5, 127 ]
286	238	[ 14, 35 ]
287	240	[ 47, 60, 132 ]
288	240	[ 49, 86, 130 ]
289	240	[ 49, 87, 131 ]
290	240	[ 48, 83, 133 ]
291	240	[ 49, 84, 133, 134, 135 ]
292	240	[ 50, 85, 133 ]
293	240	[ 5, 128 ]
294	240	[ 6, 129 ]
295	240	[ 5, 129 ]
296	240	[ 7, 129 ]
297	242	[ 22 ]
298	244	[ 5, 136 ]
299	244	[ 7 ]
300	244	[ 7 ]
301	246	[ 8, 88 ]
302	248	[ 10, 137 ]
303	248	[ 9, 137 ]
304	248	[ 11, 137 ]
305	250	[ 51 ]
306	252	[ 37, 89, 138 ]
307	254	[ 4 ]
308	256	[ 139 ]
309	256	[ 139, 140, 141 ]
310	256	[ 139 ]
311	256	[ 140, 142, 143 ]
312	256	[ 140 ]
313	256	[ 142 ]
314	256	[ 142, 144, 145 ]
315	256	[ 145, 146, 147 ]
316	256	[ 145 ]
317	256	[ 145, 148, 149 ]
318	256	[ 145 ]
319	256	[ 145 ]
320	256	[ 145 ]
321	256	[ 147 ]

322	256	[ 147 ]
323	256	[ 148 ]
324	256	[ 148 ]
325	256	[ 149 ]
326	256	[ 149 ]
327	258	[ 8, 90 ]
328	260	[ 21, 52, 150 ]
329	260	[ 19, 53 ]
330	260	[ 20, 53 ]
331	260	[ 19, 54 ]
332	260	[ 20, 54 ]
333	262	[ 4 ]
334	264	[ 23, 69 ]
335	264	[ 24, 92, 151 ]
336	264	[ 25, 91, 151 ]
337	264	[ 26, 93, 151 ]
338	266	[ 14, 38 ]
339	268	[ 5, 152 ]
340	270	[ 55, 94 ]
341	272	[ 15, 153 ]
342	272	[ 16, 156 ]
343	272	[ 16, 154 ]
344	272	[ 16, 153, 155, 157 ]
345	272	[ 17, 153 ]
346	274	[ 4 ]
347	276	[ 13, 95, 158 ]
348	278	[ 4 ]
349	280	[ 41, 57 ]
350	280	[ 42, 57 ]
351	280	[ 39, 56, 159 ]
352	280	[ 40, 57, 159 ]
353	280	[ 43, 58, 159 ]
354	282	[ 8, 96 ]
355	284	[ 5, 160 ]
356	286	[ 22, 27 ]
357	288	[ 97, 161 ]
358	288	[ 98, 161, 162, 165 ]
359	288	[ 99, 161 ]



360	288	[ 100, 162 ]
361	288	[ 101, 162 ]
362	288	[ 75, 102, 168 ]
363	288	[ 76, 103, 168 ]
364	288	[ 78, 104, 168 ]
365	288	[ 33, 163 ]
366	288	[ 30, 163 ]
367	288	[ 31, 163 ]
368	288	[ 33, 164 ]
369	288	[ 30, 164 ]
370	288	[ 31, 164 ]
371	288	[ 33, 166 ]
372	288	[ 33, 167 ]
373	290	[ 12, 59 ]
374	292	[ 5, 169 ]
375	292	[ 7 ]
376	292	[ 7 ]
377	294	[ 44, 105 ]
378	296	[ 10, 170 ]
379	296	[ 9, 170 ]
380	296	[ 11, 170 ]
381	296	[ 10, 171 ]
382	296	[ 10, 172 ]
383	298	[ 4 ]
384	300	[ 60, 106, 173 ]
385	302	[ 4 ]
386	304	[ 15, 175 ]
387	304	[ 16, 174, 175, 176 ]
388	304	[ 17, 175 ]
389	306	[ 18, 110 ]
390	308	[ 28, 45, 177 ]
391	310	[ 12, 61 ]
392	312	[ 23, 82 ]
393	312	[ 24, 112, 178 ]
394	312	[ 25, 111, 178 ]
395	312	[ 26, 113, 178 ]
396	312	[ 25, 114 ]
397	312	[ 25, 115 ]

398	314	[ 4 ]
399	316	[ 5, 179 ]
400	318	[ 8, 116 ]
401	320	[ 64, 180 ]
402	320	[ 65, 180, 181, 182 ]
403	320	[ 66, 180 ]
404	320	[ 67, 181, 183, 184 ]
405	320	[ 68, 181 ]
406	320	[ 62, 184 ]
407	320	[ 63, 184 ]
408	320	[ 21, 185 ]
409	320	[ 185 ]
410	320	[ 185 ]
411	320	[ 67, 186, 187, 188 ]
412	320	[ 65, 186 ]
413	320	[ 68, 186 ]
414	320	[ 62, 187 ]
415	320	[ 63, 187 ]
416	320	[ 19 ]
417	320	[ 63, 189 ]
418	320	[ 62, 189 ]
419	320	[ 67, 189, 190, 191 ]
420	320	[ 65, 190 ]
421	320	[ 68, 190 ]
422	320	[ 20 ]
423	322	[ 14, 46 ]
424	324	[ 117, 192 ]
425	324	[ 36 ]
426	326	[ 4 ]
427	328	[ 9, 193 ]
428	328	[ 10, 194 ]
429	328	[ 10, 195 ]
430	328	[ 10, 193 ]
431	328	[ 11, 193 ]
432	330	[ 29, 69, 119 ]
433	332	[ 5, 196 ]
434	334	[ 4 ]
435	336	[ 3 ]

436	336	[ 3 ]
437	336	[ 3 ]
438	336	[ 47, 89, 198 ]
439	336	[ 48, 120, 199 ]
440	336	[ 49, 121, 199, 200, 201 ]
441	336	[ 50, 122, 199 ]
442	336	[ 2, 197 ]
443	336	[ 4, 197 ]
444	336	[ 3, 197 ]
445	338	[ 27 ]
446	340	[ 21, 70, 202 ]
447	340	[ 19, 71 ]
448	340	[ 20, 71 ]
449	340	[ 19, 72 ]
450	340	[ 20, 72 ]
451	342	[ 18, 123 ]
452	344	[ 10, 203 ]
453	344	[ 9, 203 ]
454	344	[ 11, 203 ]
455	346	[ 4 ]
456	348	[ 13, 124, 204 ]
457	350	[ 51, 73 ]
458	352	[ 30, 206 ]
459	352	[ 31, 206 ]
460	352	[ 32, 205 ]
461	352	[ 33, 205, 206, 207 ]
462	352	[ 34, 205 ]
463	354	[ 8, 127 ]
464	356	[ 5, 208 ]
465	356	[ 7 ]
466	356	[ 7 ]
467	358	[ 4 ]
468	360	[ 1 ]
469	360	[ 76, 130 ]
470	360	[ 76, 131 ]
471	360	[ 40, 77 ]
472	360	[ 75, 133, 209 ]
473	360	[ 76, 134, 209 ]

474	360	[ 41, 77, 210 ]
475	360	[ 42, 77, 211 ]
476	360	[ 78, 135, 209 ]
477	360	[ 43, 74 ]
478	360	[ 79, 94, 132 ]
479	360	[ 8, 128 ]
480	362	[ 4 ]
481	364	[ 28, 52, 212 ]
482	366	[ 8, 136 ]
483	368	[ 15, 214 ]
484	368	[ 16, 213, 214, 215 ]
485	368	[ 17, 214 ]
486	370	[ 12, 80 ]
487	372	[ 13, 137, 216 ]
488	374	[ 22, 35 ]
489	376	[ 10, 217 ]
490	376	[ 9, 217 ]
491	376	[ 11, 217 ]
492	378	[ 55, 138 ]
493	380	[ 21, 81, 218 ]
494	382	[ 4 ]
495	384	[ 219 ]
496	384	[ 139, 220 ]
497	384	[ 140, 220, 221, 222 ]
498	384	[ 141, 220 ]
499	384	[ 142, 221, 223, 224 ]
500	384	[ 143, 221 ]
501	384	[ 97, 225 ]
502	384	[ 144, 223 ]
503	384	[ 145, 223, 226, 227 ]
504	384	[ 98, 225, 228, 229 ]
505	384	[ 99, 225 ]
506	384	[ 100, 228 ]
507	384	[ 149, 226 ]
508	384	[ 148, 226 ]
509	384	[ 147, 227 ]
510	384	[ 146, 227 ]
511	384	[ 101, 228 ]

512	384	[ 228, 230, 231 ]
513	384	[ 228, 232, 233 ]
514	384	[ 228 ]
515	384	[ 228 ]
516	384	[ 102, 219 ]
517	384	[ 103, 219 ]
518	384	[ 104 ]
519	384	[ 104, 219 ]
520	384	[ 104 ]
521	384	[ 219 ]
522	384	[ 219 ]
523	384	[ 219 ]
524	386	[ 4 ]
525	388	[ 5, 234 ]
526	388	[ 7 ]
527	388	[ 7 ]
528	390	[ 29, 82, 150 ]
529	392	[ 56, 235 ]
530	392	[ 57, 235 ]
531	392	[ 10, 236 ]
532	392	[ 58, 235 ]
533	392	[ 11 ]
534	394	[ 4 ]
535	396	[ 37, 151, 237 ]
536	398	[ 4 ]
537	400	[ 83, 238 ]
538	400	[ 86, 87, 243 ]
539	400	[ 86, 242 ]
540	400	[ 84, 86, 241 ]
541	400	[ 84, 87, 240 ]
542	400	[ 87, 244 ]
543	400	[ 84, 238, 239, 245 ]
544	400	[ 16, 246 ]
545	400	[ 85, 238 ]
546	402	[ 8, 152 ]
547	404	[ 5, 247 ]
548	404	[ 7 ]
549	404	[ 7 ]

550	406	[ 14, 59 ]
551	408	[ 23, 110 ]
552	408	[ 24, 153, 248 ]
553	408	[ 25, 155, 248 ]
554	408	[ 26, 157, 248 ]
555	408	[ 25, 154 ]
556	408	[ 25, 156 ]
557	410	[ 12, 88 ]
558	412	[ 5, 249 ]
559	414	[ 18, 158 ]
560	416	[ 30, 251 ]
561	416	[ 31, 251 ]
562	416	[ 32, 250 ]
563	416	[ 33, 250, 251, 252 ]
564	416	[ 34, 250 ]
565	416	[ 33, 253 ]
566	416	[ 30, 253 ]
567	416	[ 31, 253 ]
568	416	[ 33, 254 ]
569	416	[ 30, 254 ]
570	416	[ 31, 254 ]
571	418	[ 22, 38 ]
572	420	[ 60, 89, 159, 255 ]
573	422	[ 4 ]
574	424	[ 10, 256 ]
575	424	[ 9, 256 ]
576	424	[ 11, 256 ]
577	424	[ 10, 257 ]
578	424	[ 10, 258 ]
579	426	[ 8, 160 ]
580	428	[ 5, 259 ]
581	430	[ 12, 90 ]
582	432	[ 161, 260 ]
583	432	[ 162, 260, 261, 264 ]
584	432	[ 49, 163, 262 ]
585	432	[ 49, 164, 265 ]
586	432	[ 163, 263 ]
587	432	[ 164, 266 ]

588	432	[ 165, 260 ]
589	432	[ 50, 167 ]
590	432	[ 50, 166 ]
591	432	[ 166 ]
592	432	[ 167 ]
593	432	[ 117, 168, 267 ]
594	434	[ 14, 61 ]
595	436	[ 5, 268 ]
596	436	[ 7 ]
597	436	[ 7 ]
598	438	[ 8, 169 ]
599	440	[ 41, 91 ]
600	440	[ 42, 91 ]
601	440	[ 39, 92, 269 ]
602	440	[ 40, 91, 269 ]
603	440	[ 43, 93, 269 ]
604	442	[ 27, 35 ]
605	444	[ 13, 170, 270 ]
606	446	[ 4 ]
607	448	[ 64, 271 ]
608	448	[ 65, 271, 272, 273 ]
609	448	[ 66, 271 ]
610	448	[ 67, 272, 274, 275 ]
611	448	[ 68, 272 ]
612	448	[ 62, 275 ]
613	448	[ 63, 275 ]
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, 280 ]
627	464	[ 16, 279, 280, 281 ]
628	464	[ 17, 280 ]
629	464	[ 16, 282 ]
630	464	[ 16, 283 ]
631	466	[ 4 ]
632	468	[ 37, 178, 284 ]
633	468	[ 36, 53 ]
634	468	[ 36, 54 ]
635	470	[ 12, 96 ]
636	472	[ 10, 285 ]
637	472	[ 9, 285 ]
638	472	[ 11, 285 ]
639	474	[ 8, 179 ]
640	476	[ 28, 70, 286 ]
641	478	[ 4 ]
642	480	[ 103, 130 ]
643	480	[ 103, 131 ]
644	480	[ 97, 180, 290 ]
645	480	[ 98, 181, 290, 291, 292 ]
646	480	[ 99, 182, 290 ]
647	480	[ 100, 183, 291 ]
648	480	[ 101, 184, 291 ]
649	480	[ 102, 133, 287 ]
650	480	[ 103, 134, 287 ]
651	480	[ 104, 135, 287 ]
652	480	[ 29, 185 ]
653	480	[ 98, 186, 288 ]
654	480	[ 98, 190, 289 ]
655	480	[ 100, 188, 288 ]
656	480	[ 100, 191, 289 ]
657	480	[ 101, 187, 288 ]
658	480	[ 101, 189, 289 ]
659	480	[ 10, 293 ]
660	480	[ 9, 293 ]
661	480	[ 11, 293 ]
662	480	[ 10, 294, 295, 296 ]
663	480	[ 11, 295 ]



664	480	[ 9, 295 ]
665	480	[ 296 ]
666	480	[ 296 ]
667	482	[ 4 ]
668	484	[ 45, 297 ]
669	484	[ 7 ]
670	486	[ 192 ]
671	488	[ 10, 298 ]
672	488	[ 9, 298 ]
673	488	[ 11, 298 ]
674	488	[ 10, 299 ]
675	488	[ 10, 300 ]
676	490	[ 73, 105 ]
677	492	[ 13, 193, 301 ]
678	494	[ 27, 38 ]
679	496	[ 15, 303 ]
680	496	[ 16, 302, 303, 304 ]
681	496	[ 17, 303 ]
682	498	[ 8, 196 ]
683	500	[ 106, 305 ]
684	500	[ 107, 109 ]
685	500	[ 107, 108 ]
686	500	[ 107 ]
687	500	[ 108 ]
688	500	[ 109 ]

**Group :**  $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 205

Total Time in s : 197.8

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	[ 16 ]
23	240	[ 17 ]
24	240	[ 14 ]
25	240	[ 15 ]
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, 10 ]
46	550	[ 6, 11 ]
47	550	[ 6, 12 ]
48	550	[ 6, 13 ]
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, 50 ]
96	1200	[ 22, 49 ]
97	1200	[ 23, 52 ]
98	1200	[ 23, 51 ]
99	1200	[ 24, 53 ]
100	1200	[ 24, 54 ]
101	1200	[ 25, 55 ]
102	1200	[ 25, 56 ]
103	1210	[ 4 ]
104	1210	[ 4 ]
105	1210	[ 11, 12 ]
106	1210	[ 10, 11 ]
107	1210	[ 11, 13 ]
108	1210	[ 11 ]
109	1210	[ 13 ]
110	1210	[ 10, 13 ]
111	1210	[ 12, 13 ]
112	1210	[ 10, 12 ]
113	1210	[ 12 ]
114	1210	[ 10 ]
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	[ 75 ]
137	1440	[ 78 ]
138	1440	[ 73 ]
139	1440	[ 74 ]
140	1440	[ 76 ]
141	1440	[ 77 ]
142	1510	[ 5 ]
143	1510	[ 5 ]
144	1510	[ 5 ]
145	1510	[ 5 ]
146	1550	[ 6, 29 ]
147	1550	[ 6, 30 ]
148	1550	[ 6, 31 ]
149	1550	[ 6, 32 ]
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	[ 16 ]
191	1920	[ 83 ]
192	1920	[ 83 ]
193	1920	[ 86 ]
194	1920	[ 86 ]

195	1920	[ 88 ]
196	1920	[ 88 ]
197	1920	[ 17 ]
198	1920	[ 87 ]
199	1920	[ 87 ]
200	1920	[ 85 ]
201	1920	[ 85 ]
202	1920	[ 84 ]
203	1920	[ 84 ]
204	1920	[ 14 ]
205	1920	[ 15 ]

**Group :**  $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 639.3

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, 17 ]
30	24	[ 12, 14 ]
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	[ 19, 29 ]
56	48	[ 17, 25, 26, 28 ]



57	48	[ 25 ]
58	48	[ 25 ]
59	48	[ 19, 30 ]
60	48	[ 19, 31 ]
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	[ 10, 24 ]
78	66	[ 8, 24 ]
79	68	[ 6, 37 ]
80	70	[ 13, 18 ]
81	72	[ 12 ]
82	72	[ 29, 30, 39 ]
83	72	[ 29, 31, 40 ]
84	72	[ 30, 31, 38 ]
85	72	[ 30, 41 ]
86	72	[ 21, 26 ]
87	72	[ 20, 25 ]
88	72	[ 20, 27 ]
89	74	[ 4 ]
90	76	[ 6, 42 ]
91	78	[ 8, 32 ]
92	78	[ 9 ]
93	78	[ 9 ]
94	78	[ 10 ]

95	78	[ 10, 32 ]
96	78	[ 10 ]
97	80	[ 19, 43 ]
98	82	[ 4 ]
99	84	[ 17, 33, 49 ]
100	84	[ 16, 33 ]
101	84	[ 14, 33, 48 ]
102	84	[ 17, 44 ]
103	84	[ 17, 45 ]
104	84	[ 17, 46 ]
105	84	[ 17, 47 ]
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	[ 36, 55 ]
114	96	[ 29, 56 ]
115	96	[ 56 ]
116	96	[ 56, 57, 58 ]
117	96	[ 25 ]
118	96	[ 26 ]
119	96	[ 36, 59 ]
120	96	[ 36, 60 ]
121	96	[ 31, 52 ]
122	96	[ 52 ]
123	96	[ 52, 53, 54 ]
124	96	[ 27 ]
125	98	[ 18 ]
126	100	[ 23, 61 ]
127	102	[ 10, 37 ]
128	102	[ 8, 37 ]
129	104	[ 12, 62 ]
130	106	[ 4 ]
131	108	[ 38, 39, 40 ]
132	108	[ 39, 64 ]

133	108	[ 39, 41, 65 ]
134	108	[ 39, 66 ]
135	108	[ 39, 67 ]
136	108	[ 40, 63 ]
137	108	[ 38, 41 ]
138	108	[ 38 ]
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, 72 ]
155	120	[ 30, 43, 74 ]
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	[ 21, 48, 49 ]
163	126	[ 22, 48 ]
164	126	[ 21, 44 ]
165	126	[ 20, 45 ]
166	126	[ 20, 46 ]
167	126	[ 21, 47 ]
168	128	[ 76 ]
169	130	[ 13, 32 ]
170	132	[ 17, 50, 77 ]

171	132	[ 16, 50 ]
172	132	[ 14, 50, 78 ]
173	134	[ 4 ]
174	136	[ 12, 79 ]
175	138	[ 10, 51 ]
176	138	[ 8, 51 ]
177	140	[ 23, 33, 80 ]
178	142	[ 4 ]
179	144	[ 39, 56, 86 ]
180	144	[ 40, 56, 87 ]
181	144	[ 55, 60, 83 ]
182	144	[ 55, 59, 82 ]
183	144	[ 59, 60, 84 ]
184	144	[ 59, 85 ]
185	144	[ 19, 81 ]
186	144	[ 40, 52, 88 ]
187	144	[ 57, 87 ]
188	144	[ 58, 87 ]
189	144	[ 53, 88 ]
190	144	[ 54, 88 ]
191	144	[ 38, 52 ]
192	146	[ 4 ]
193	148	[ 6, 89 ]
194	150	[ 34, 61 ]
195	150	[ 9 ]
196	150	[ 35, 61 ]
197	150	[ 10 ]
198	150	[ 11 ]
199	152	[ 12, 90 ]
200	154	[ 18, 24 ]
201	156	[ 14, 62, 91 ]
202	156	[ 16, 62 ]
203	156	[ 17, 96 ]
204	156	[ 17, 94 ]
205	156	[ 17, 62, 95 ]
206	156	[ 17, 93 ]
207	156	[ 17, 92 ]
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	[ 29, 69, 99 ]
226	168	[ 30, 69, 101 ]
227	168	[ 31, 69, 100 ]
228	168	[ 29, 102 ]
229	168	[ 26, 44 ]
230	168	[ 29, 103 ]
231	168	[ 25, 45 ]
232	168	[ 29, 104 ]
233	168	[ 25, 46 ]
234	168	[ 29, 105 ]
235	168	[ 26, 47 ]
236	170	[ 13, 37 ]
237	172	[ 6, 106 ]
238	174	[ 10, 70 ]
239	174	[ 8, 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	[ 76, 113 ]
261	192	[ 55, 114 ]
262	192	[ 114, 115, 116 ]
263	192	[ 114 ]
264	192	[ 56 ]
265	192	[ 56, 117 ]
266	192	[ 56 ]
267	192	[ 56, 112 ]
268	192	[ 56, 118 ]
269	192	[ 57, 117 ]
270	192	[ 58, 117 ]
271	192	[ 76, 119 ]
272	192	[ 76, 120 ]
273	192	[ 60, 121 ]
274	192	[ 121, 122, 123 ]
275	192	[ 121 ]
276	192	[ 52 ]
277	192	[ 52, 124 ]
278	192	[ 53, 124 ]
279	192	[ 54, 124 ]
280	194	[ 4 ]
281	196	[ 33, 125 ]
282	198	[ 21, 77, 78 ]
283	198	[ 22, 78 ]
284	200	[ 43, 126 ]

285	202	[ 4 ]
286	204	[ 17, 79, 127 ]
287	204	[ 16, 79 ]
288	204	[ 14, 79, 128 ]
289	206	[ 4 ]
290	208	[ 19, 129 ]
291	210	[ 34, 48, 80 ]
292	210	[ 35, 49, 80 ]
293	210	[ 35, 44 ]
294	210	[ 35, 47 ]
295	212	[ 6, 130 ]
296	214	[ 4 ]
297	216	[ 82, 83, 84, 131 ]
298	216	[ 82, 134 ]
299	216	[ 82, 85, 133 ]
300	216	[ 82, 132 ]
301	216	[ 82, 135 ]
302	216	[ 83, 136 ]
303	216	[ 29, 81 ]
304	216	[ 84, 85, 137 ]
305	216	[ 84, 138 ]
306	216	[ 85, 139 ]
307	216	[ 30, 81 ]
308	216	[ 31, 81 ]
309	216	[ 81 ]
310	216	[ 81 ]
311	216	[ 81 ]
312	216	[ 65, 86 ]
313	216	[ 63, 87 ]
314	216	[ 64, 86 ]
315	216	[ 67, 86 ]
316	216	[ 66, 86 ]
317	216	[ 63, 88 ]
318	218	[ 4 ]
319	220	[ 23, 50, 140 ]
320	222	[ 8, 89 ]
321	222	[ 9 ]
322	222	[ 9 ]

323	222	[ 10 ]
324	222	[ 10, 89 ]
325	222	[ 10 ]
326	224	[ 36, 141 ]
327	226	[ 4 ]
328	228	[ 17, 90, 145 ]
329	228	[ 16, 90 ]
330	228	[ 14, 90, 142 ]
331	228	[ 17, 143 ]
332	228	[ 17, 144 ]
333	228	[ 17, 146 ]
334	228	[ 17, 147 ]
335	230	[ 13, 51 ]
336	232	[ 12, 148 ]
337	234	[ 21, 91, 95 ]
338	234	[ 22, 91 ]
339	234	[ 20, 92 ]
340	234	[ 20, 93 ]
341	234	[ 21, 94 ]
342	234	[ 21, 96 ]
343	236	[ 6, 149 ]
344	238	[ 18, 37 ]
345	240	[ 56, 72, 153 ]
346	240	[ 52, 73 ]
347	240	[ 59, 97, 155 ]
348	240	[ 55, 97, 154 ]
349	240	[ 60, 97, 156 ]
350	240	[ 6, 157, 158, 159 ]
351	240	[ 158 ]
352	240	[ 158 ]
353	240	[ 6, 150 ]
354	240	[ 150 ]
355	240	[ 150 ]
356	240	[ 6, 151 ]
357	240	[ 6, 152 ]
358	242	[ 24 ]
359	244	[ 6, 160 ]
360	246	[ 10, 98 ]



361	246	[ 8, 98 ]
362	248	[ 12, 161 ]
363	250	[ 61 ]
364	252	[ 40, 99, 100 ]
365	252	[ 39, 99, 101, 162 ]
366	252	[ 41, 101, 163 ]
367	252	[ 38, 100, 101 ]
368	252	[ 40, 102 ]
369	252	[ 39, 102, 164 ]
370	252	[ 39, 103 ]
371	252	[ 40, 103, 165 ]
372	252	[ 39, 104 ]
373	252	[ 40, 104, 166 ]
374	252	[ 40, 105 ]
375	252	[ 39, 105, 167 ]
376	254	[ 4 ]
377	256	[ 168 ]
378	258	[ 8, 106 ]
379	258	[ 9 ]
380	258	[ 9 ]
381	258	[ 10 ]
382	258	[ 10, 106 ]
383	258	[ 10 ]
384	260	[ 23, 62, 169 ]
385	262	[ 4 ]
386	264	[ 26, 77 ]
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	[ 17, 110, 175 ]
400	276	[ 16, 110 ]
401	276	[ 14, 110, 176 ]
402	278	[ 4 ]
403	280	[ 43, 69, 177 ]
404	282	[ 10, 111 ]
405	282	[ 8, 111 ]
406	284	[ 6, 178 ]
407	286	[ 24, 32 ]
408	288	[ 20 ]
409	288	[ 21 ]
410	288	[ 113, 120, 181 ]
411	288	[ 83, 114, 180 ]
412	288	[ 83, 121, 186 ]
413	288	[ 115, 180 ]
414	288	[ 116, 180, 187, 188 ]
415	288	[ 123, 186, 189, 190 ]
416	288	[ 122, 186 ]
417	288	[ 87, 117 ]
418	288	[ 87, 88 ]
419	288	[ 88, 124 ]
420	288	[ 113, 119, 182 ]
421	288	[ 82, 114, 179 ]
422	288	[ 115, 179 ]
423	288	[ 116, 179 ]
424	288	[ 86, 118 ]
425	288	[ 119, 184 ]
426	288	[ 84, 121, 191 ]
427	288	[ 119, 120, 183 ]
428	288	[ 123, 191 ]
429	288	[ 36, 185 ]
430	288	[ 122, 191 ]
431	290	[ 13, 70 ]
432	292	[ 6, 192 ]
433	294	[ 48, 125 ]
434	294	[ 46 ]
435	294	[ 45, 46 ]
436	294	[ 45 ]

437	294	[ 44 ]
438	294	[ 44, 49 ]
439	294	[ 44, 47 ]
440	294	[ 47, 49 ]
441	294	[ 47 ]
442	294	[ 49, 125 ]
443	294	[ 11 ]
444	296	[ 12, 193 ]
445	298	[ 4 ]
446	300	[ 74, 126, 194 ]
447	300	[ 73, 126 ]
448	300	[ 16, 198 ]
449	300	[ 16 ]
450	300	[ 72, 126, 196 ]
451	300	[ 17, 195 ]
452	300	[ 17, 197 ]
453	302	[ 4 ]
454	304	[ 19, 199 ]
455	306	[ 21, 127, 128 ]
456	306	[ 22, 128 ]
457	308	[ 33, 50, 200 ]
458	310	[ 13, 75 ]
459	312	[ 26, 95 ]
460	312	[ 29, 129, 205 ]
461	312	[ 30, 129, 201 ]
462	312	[ 31, 129, 202 ]
463	312	[ 29, 207 ]
464	312	[ 25, 92 ]
465	312	[ 29, 206 ]
466	312	[ 25, 93 ]
467	312	[ 29, 204 ]
468	312	[ 26, 94 ]
469	312	[ 29, 203 ]
470	312	[ 26, 96 ]
471	314	[ 4 ]
472	316	[ 6, 208 ]
473	318	[ 10, 130 ]
474	318	[ 8, 130 ]

475	320	[ 76, 209 ]
476	322	[ 18, 51 ]
477	324	[ 131, 136 ]
478	324	[ 131, 135 ]
479	324	[ 131, 133, 137 ]
480	324	[ 131, 132 ]
481	324	[ 131, 134 ]
482	324	[ 131, 138 ]
483	324	[ 132, 133, 134, 135, 212 ]
484	324	[ 133, 213 ]
485	324	[ 133, 139, 214 ]
486	324	[ 133, 215 ]
487	324	[ 135, 219 ]
488	324	[ 135, 216 ]
489	324	[ 135, 218 ]
490	324	[ 135, 217 ]
491	324	[ 136, 210 ]
492	324	[ 136, 211 ]
493	324	[ 137, 138 ]
494	324	[ 137, 139 ]
495	324	[ 138 ]
496	324	[ 138 ]
497	324	[ 138 ]
498	324	[ 138 ]
499	324	[ 139, 220 ]
500	324	[ 15 ]
501	326	[ 4 ]
502	328	[ 12, 221 ]
503	330	[ 34, 78, 140 ]
504	330	[ 35, 77, 140 ]
505	332	[ 6, 222 ]
506	334	[ 4 ]
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509	336	[ 3 ]
510	336	[ 4 ]
511	336	[ 2 ]
512	336	[ 2 ]

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515	336	[ 52, 100 ]
516	336	[ 55, 228 ]
517	336	[ 56, 102, 229 ]
518	336	[ 55, 230 ]
519	336	[ 56, 103, 231 ]
520	336	[ 58, 231 ]
521	336	[ 57, 231 ]
522	336	[ 55, 232 ]
523	336	[ 56, 104, 233 ]
524	336	[ 58, 233 ]
525	336	[ 57, 233 ]
526	336	[ 55, 234 ]
527	336	[ 56, 105, 235 ]
528	336	[ 59, 141, 226 ]
529	336	[ 55, 141, 225 ]
530	336	[ 60, 141, 227 ]
531	336	[ 2, 223 ]
532	336	[ 3, 223 ]
533	336	[ 4, 223 ]
534	338	[ 32 ]
535	340	[ 23, 79, 236 ]
536	342	[ 20, 144 ]
537	342	[ 20, 143 ]
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	[ 17, 148, 238 ]
545	348	[ 16, 148 ]
546	348	[ 14, 148, 239 ]
547	350	[ 61, 80 ]
548	352	[ 36, 240 ]
549	354	[ 10, 149 ]
550	354	[ 8, 149 ]

551	356	[ 6, 241 ]
552	358	[ 4 ]
553	360	[ 86, 108, 153 ]
554	360	[ 82, 154, 155, 243 ]
555	360	[ 84, 155, 156, 245 ]
556	360	[ 83, 154, 156, 242 ]
557	360	[ 85, 155, 244 ]
558	360	[ 7, 157, 246 ]
559	360	[ 8, 159 ]
560	360	[ 9, 158, 246 ]
561	360	[ 10, 159, 246 ]
562	360	[ 11, 158 ]
563	360	[ 43, 81 ]
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, 160 ]
574	366	[ 10 ]
575	366	[ 10 ]
576	368	[ 19, 248 ]
577	370	[ 13, 89 ]
578	372	[ 17, 161, 252 ]
579	372	[ 16, 161 ]
580	372	[ 14, 161, 249 ]
581	372	[ 17, 250 ]
582	372	[ 17, 251 ]
583	372	[ 17, 253 ]
584	372	[ 17, 254 ]
585	374	[ 24, 37 ]
586	376	[ 12, 255 ]
587	378	[ 65, 164 ]
588	378	[ 65, 167 ]

589	378	[ 65, 162, 163 ]
590	378	[ 63, 165 ]
591	378	[ 63, 166 ]
592	378	[ 64, 162 ]
593	378	[ 64, 164 ]
594	378	[ 64, 167 ]
595	378	[ 66, 162 ]
596	378	[ 66, 164 ]
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599	378	[ 67, 164 ]
600	378	[ 67, 167 ]
601	378	[ 68, 163 ]
602	380	[ 23, 90, 256 ]
603	382	[ 4 ]
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605	384	[ 257 ]
606	384	[ 168, 260 ]
607	384	[ 113, 261 ]
608	384	[ 261, 262, 263 ]
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610	384	[ 114, 267 ]
611	384	[ 114, 265 ]
612	384	[ 114, 266 ]
613	384	[ 114, 268 ]
614	384	[ 114, 264 ]
615	384	[ 115, 266 ]
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617	384	[ 115, 268 ]
618	384	[ 115, 264 ]
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636	384	[ 112 ]
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639	384	[ 168, 272 ]
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645	384	[ 121, 276 ]
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654	384	[ 123, 276 ]
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660	384	[ 124 ]
661	386	[ 4 ]
662	388	[ 6, 280 ]
663	390	[ 34, 91, 169 ]
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666	390	[ 35, 96 ]
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668	394	[ 4 ]
669	396	[ 40, 170, 171 ]
670	396	[ 38, 171, 172 ]
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672	396	[ 41, 172, 283 ]
673	398	[ 4 ]
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675	402	[ 8, 173 ]
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678	402	[ 10, 173 ]
679	402	[ 10 ]
680	402	[ 10 ]
681	404	[ 6, 285 ]
682	406	[ 18, 70 ]
683	408	[ 26, 127 ]
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, 176 ]
691	416	[ 36, 290 ]
692	418	[ 24, 42 ]
693	420	[ 74, 101, 177, 291 ]
694	420	[ 72, 99, 177, 292 ]
695	420	[ 72, 102, 293 ]
696	420	[ 72, 103 ]
697	420	[ 72, 104 ]
698	420	[ 72, 105, 294 ]
699	420	[ 73, 100, 177 ]
700	422	[ 4 ]
701	424	[ 12, 295 ]
702	426	[ 10, 178 ]

703	426	[ 8, 178 ]
704	428	[ 6, 296 ]
705	430	[ 13, 106 ]
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707	432	[ 181, 302 ]
708	432	[ 182, 300 ]
709	432	[ 182, 184, 299 ]
710	432	[ 182, 298 ]
711	432	[ 182, 301 ]
712	432	[ 55, 185, 303 ]
713	432	[ 183, 184, 304 ]
714	432	[ 183, 305 ]
715	432	[ 184, 306 ]
716	432	[ 59, 185, 307 ]
717	432	[ 60, 185, 308 ]
718	432	[ 185, 311 ]
719	432	[ 185, 310 ]
720	432	[ 185, 309 ]
721	432	[ 133, 179, 312 ]
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724	432	[ 131, 179, 180 ]
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727	432	[ 189, 317 ]
728	432	[ 53 ]
729	432	[ 53 ]
730	432	[ 190, 317 ]
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734	432	[ 134, 179, 316 ]
735	432	[ 135, 179, 315 ]
736	432	[ 136, 180, 313 ]
737	432	[ 187, 313 ]
738	432	[ 188, 313 ]
739	434	[ 18, 75 ]
740	436	[ 6, 318 ]

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743	438	[ 9 ]
744	438	[ 10 ]
745	438	[ 10 ]
746	438	[ 10, 192 ]
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749	444	[ 14, 193, 320 ]
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752	444	[ 17, 323 ]
753	444	[ 17, 321 ]
754	444	[ 17, 325 ]
755	444	[ 17, 322 ]
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757	448	[ 76, 326 ]
758	450	[ 108, 194, 196 ]
759	450	[ 109, 194 ]
760	450	[ 20, 195 ]
761	450	[ 21, 197 ]
762	450	[ 20, 198 ]
763	452	[ 6, 327 ]
764	454	[ 4 ]
765	456	[ 26, 145 ]
766	456	[ 29, 199, 328 ]
767	456	[ 30, 199, 330 ]
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769	456	[ 29, 331 ]
770	456	[ 25, 143 ]
771	456	[ 29, 332 ]
772	456	[ 25, 144 ]
773	456	[ 29, 333 ]
774	456	[ 26, 146 ]
775	456	[ 29, 334 ]
776	456	[ 26, 147 ]
777	458	[ 4 ]
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780	462	[ 47, 77 ]
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782	462	[ 49, 77, 200 ]
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784	466	[ 4 ]
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786	468	[ 38, 201, 202 ]
787	468	[ 39, 201, 205, 337 ]
788	468	[ 41, 201, 338 ]
789	468	[ 39, 207 ]
790	468	[ 40, 207, 339 ]
791	468	[ 39, 206 ]
792	468	[ 40, 206, 340 ]
793	468	[ 40, 204 ]
794	468	[ 39, 204, 341 ]
795	468	[ 40, 203 ]
796	468	[ 39, 203, 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 ]
804	474	[ 10, 208 ]
805	476	[ 33, 79, 344 ]
806	478	[ 4 ]
807	480	[ 119, 209, 347 ]
808	480	[ 113, 209, 348 ]
809	480	[ 114, 154, 345 ]
810	480	[ 116, 345 ]
811	480	[ 115, 345 ]
812	480	[ 118, 153 ]
813	480	[ 35 ]
814	480	[ 35 ]
815	480	[ 121, 156, 346 ]
816	480	[ 123, 346 ]

817	480	[ 12, 350 ]
818	480	[ 350 ]
819	480	[ 350, 351, 352 ]
820	480	[ 120, 209, 349 ]
821	480	[ 122, 346 ]
822	480	[ 12, 353 ]
823	480	[ 353 ]
824	480	[ 353, 354, 355 ]
825	480	[ 12, 356 ]
826	480	[ 356 ]
827	480	[ 356 ]
828	480	[ 357 ]
829	480	[ 357 ]
830	480	[ 12, 357 ]
831	482	[ 4 ]
832	484	[ 50, 358 ]
833	486	[ 210, 211 ]
834	486	[ 210 ]
835	486	[ 211 ]
836	486	[ 211 ]
837	486	[ 211 ]
838	486	[ 212 ]
839	486	[ 212, 213, 214, 215 ]
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	[ 17, 221, 360 ]
856	492	[ 16, 221 ]
857	492	[ 14, 221, 361 ]
858	494	[ 32, 42 ]
859	496	[ 19, 362 ]
860	498	[ 10, 222 ]
861	498	[ 8, 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 : 22.0

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	[ 17 ]
40	672	[ 18 ]
41	672	[ 19 ]
42	672	[ 14 ]
43	672	[ 15 ]
44	672	[ 16 ]
45	686	[ 8 ]
46	784	[ 8, 9 ]
47	784	[ 8, 10 ]
48	896	[ 9 ]
49	896	[ 9, 10, 26 ]
50	896	[ 10 ]
51	896	[ 26 ]
52	896	[ 26 ]
53	896	[ 26 ]
54	896	[ 26 ]
55	896	[ 26 ]
56	896	[ 26 ]
57	896	[ 4 ]
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 : 4924.7

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	[ 10, 15 ]
31	24	[ 11, 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	[ 17 ]
41	32	[ 17, 18, 19 ]
42	32	[ 17 ]
43	32	[ 18, 21, 23 ]
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, 26 ]
51	40	[ 11, 27 ]
52	40	[ 11, 25 ]
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	[ 17, 30 ]
61	48	[ 18, 30, 31, 32 ]
62	48	[ 19, 30 ]
63	48	[ 23, 31 ]

64	48	[ 21, 31 ]
65	48	[ 22, 32 ]
66	48	[ 20, 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	[ 40 ]
82	64	[ 40, 41, 42 ]
83	64	[ 40 ]
84	64	[ 39, 41, 43 ]
85	64	[ 36, 38, 41 ]
86	64	[ 37, 41, 44 ]
87	64	[ 41 ]
88	64	[ 41 ]
89	64	[ 41 ]
90	64	[ 38, 43, 44 ]
91	64	[ 36, 37, 43 ]
92	64	[ 37, 38, 39 ]
93	64	[ 36, 39, 44 ]
94	64	[ 36 ]
95	66	[ 8, 28 ]
96	68	[ 5, 45 ]
97	68	[ 7 ]
98	68	[ 7 ]
99	70	[ 14, 16 ]
100	72	[ 12 ]
101	72	[ 30, 47 ]

102	72	[ 31, 47 ]
103	72	[ 11, 46 ]
104	72	[ 32, 47 ]
105	72	[ 13 ]
106	72	[ 13 ]
107	72	[ 24, 29 ]
108	74	[ 4 ]
109	76	[ 5, 48 ]
110	78	[ 8, 33 ]
111	80	[ 17, 49 ]
112	80	[ 18, 49, 51, 53 ]
113	80	[ 19, 49 ]
114	80	[ 23, 51 ]
115	80	[ 21, 51 ]
116	80	[ 22, 53 ]
117	80	[ 20, 53 ]
118	80	[ 18, 52 ]
119	80	[ 18, 50 ]
120	80	[ 21, 50 ]
121	80	[ 21, 52 ]
122	80	[ 23, 52 ]
123	80	[ 23, 50 ]
124	82	[ 4 ]
125	84	[ 15, 34, 54 ]
126	86	[ 4 ]
127	88	[ 11, 55 ]
128	88	[ 10, 55 ]
129	88	[ 12, 55 ]
130	90	[ 24, 35 ]
131	92	[ 5, 56 ]
132	94	[ 4 ]
133	96	[ 40, 60 ]
134	96	[ 41, 60, 61, 62 ]
135	96	[ 42, 60 ]
136	96	[ 43, 61, 63, 64 ]
137	96	[ 38, 61 ]
138	96	[ 44, 61, 65, 66 ]
139	96	[ 36, 61 ]

140	96	[ 37, 61 ]
141	96	[ 39, 61 ]
142	96	[ 30, 57 ]
143	96	[ 31, 57 ]
144	96	[ 32, 57 ]
145	96	[ 57 ]
146	96	[ 57 ]
147	96	[ 57 ]
148	96	[ 57, 58, 59 ]
149	96	[ 29 ]
150	98	[ 16 ]
151	100	[ 27, 67 ]
152	100	[ 26 ]
153	100	[ 25, 26 ]
154	100	[ 25 ]
155	102	[ 8, 45 ]
156	104	[ 11, 68 ]
157	104	[ 10, 68 ]
158	104	[ 12, 68 ]
159	104	[ 11, 69 ]
160	104	[ 11, 70 ]
161	106	[ 4 ]
162	108	[ 47, 71 ]
163	108	[ 46 ]
164	110	[ 14, 28 ]
165	112	[ 17, 72 ]
166	112	[ 18, 72, 73, 74 ]
167	112	[ 19, 72 ]
168	112	[ 23, 73 ]
169	112	[ 21, 73 ]
170	112	[ 22, 74 ]
171	112	[ 20, 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	[ 31, 52 ]
180	120	[ 31, 50 ]
181	120	[ 29, 35 ]
182	120	[ 30, 49, 76 ]
183	120	[ 31, 51, 76 ]
184	120	[ 32, 53, 76 ]
185	122	[ 4 ]
186	124	[ 5, 77 ]
187	126	[ 24, 54 ]
188	128	[ 81 ]
189	128	[ 81, 82, 83 ]
190	128	[ 81 ]
191	128	[ 82, 84, 89 ]
192	128	[ 82, 85, 87 ]
193	128	[ 82, 86, 88 ]
194	128	[ 82 ]
195	128	[ 82 ]
196	128	[ 82 ]
197	128	[ 84, 87, 88 ]
198	128	[ 84, 85, 86, 90, 91, 92, 93 ]
199	128	[ 85 ]
200	128	[ 85 ]
201	128	[ 78, 79, 85 ]
202	128	[ 80, 85, 94 ]
203	128	[ 85, 88, 89 ]
204	128	[ 86, 87, 89 ]
205	128	[ 90 ]
206	128	[ 90 ]
207	128	[ 78, 80, 91 ]
208	128	[ 79, 91, 94 ]
209	128	[ 79, 80, 93 ]
210	128	[ 78, 93, 94 ]
211	128	[ 80 ]
212	128	[ 80 ]
213	128	[ 80 ]
214	128	[ 80 ]
215	128	[ 78 ]

216	128	[ 78 ]
217	128	[ 78 ]
218	128	[ 78 ]
219	128	[ 79 ]
220	128	[ 79 ]
221	128	[ 79 ]
222	128	[ 79 ]
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	[ 60, 101 ]
239	144	[ 61, 101, 102, 104 ]
240	144	[ 18, 103 ]
241	144	[ 18, 100 ]
242	144	[ 62, 101 ]
243	144	[ 19 ]
244	144	[ 19 ]
245	144	[ 66, 104 ]
246	144	[ 20 ]
247	144	[ 20, 100 ]
248	144	[ 20 ]
249	144	[ 64, 102 ]
250	144	[ 21, 103 ]
251	144	[ 65, 104 ]
252	144	[ 22, 100 ]
253	144	[ 63, 102 ]

254	144	[ 23, 103 ]
255	144	[ 23, 106 ]
256	144	[ 23, 105 ]
257	144	[ 47, 57, 107 ]
258	144	[ 58, 107 ]
259	144	[ 59, 107 ]
260	146	[ 4 ]
261	148	[ 5, 108 ]
262	148	[ 7 ]
263	148	[ 7 ]
264	150	[ 35, 67 ]
265	152	[ 11, 109 ]
266	152	[ 10, 109 ]
267	152	[ 12, 109 ]
268	154	[ 16, 28 ]
269	156	[ 15, 68, 110 ]
270	158	[ 4 ]
271	160	[ 40, 111 ]
272	160	[ 41, 111, 112, 113 ]
273	160	[ 42, 111 ]
274	160	[ 43, 112, 114, 115 ]
275	160	[ 38, 112 ]
276	160	[ 44, 112, 116, 117 ]
277	160	[ 36, 112 ]
278	160	[ 37, 112 ]
279	160	[ 39, 112 ]
280	160	[ 14 ]
281	160	[ 43, 118, 121, 122 ]
282	160	[ 39, 118 ]
283	160	[ 36, 118 ]
284	160	[ 44, 118 ]
285	160	[ 41, 118 ]
286	160	[ 38, 118 ]
287	160	[ 37, 118 ]
288	160	[ 43, 119, 120, 123 ]
289	160	[ 39, 119 ]
290	160	[ 36, 119 ]
291	160	[ 44, 119 ]

292	160	[ 41, 119 ]
293	160	[ 38, 119 ]
294	160	[ 37, 119 ]
295	162	[ 71 ]
296	164	[ 5, 124 ]
297	164	[ 7 ]
298	164	[ 7 ]
299	166	[ 4 ]
300	168	[ 1 ]
301	168	[ 29, 54 ]
302	168	[ 30, 72, 125 ]
303	168	[ 31, 73, 125 ]
304	168	[ 32, 74, 125 ]
305	170	[ 14, 45 ]
306	172	[ 5, 126 ]
307	174	[ 8, 75 ]
308	176	[ 23, 127 ]
309	176	[ 17, 128 ]
310	176	[ 18, 127, 128, 129 ]
311	176	[ 19, 128 ]
312	176	[ 20, 129 ]
313	176	[ 21, 127 ]
314	176	[ 22, 129 ]
315	178	[ 4 ]
316	180	[ 47, 76, 130 ]
317	180	[ 25, 46 ]
318	180	[ 26, 46 ]
319	182	[ 16, 33 ]
320	184	[ 11, 131 ]
321	184	[ 10, 131 ]
322	184	[ 12, 131 ]
323	186	[ 8, 77 ]
324	188	[ 5, 132 ]
325	190	[ 14, 48 ]
326	192	[ 57 ]
327	192	[ 81, 133 ]
328	192	[ 82, 133, 134, 135 ]
329	192	[ 83, 133 ]



330	192	[ 84, 134, 136, 141 ]
331	192	[ 85, 134, 137, 139 ]
332	192	[ 86, 134, 138, 140 ]
333	192	[ 87, 134 ]
334	192	[ 88, 134 ]
335	192	[ 89, 134 ]
336	192	[ 60, 142 ]
337	192	[ 91, 136, 139, 140 ]
338	192	[ 90, 136, 137, 138 ]
339	192	[ 92, 137, 140, 141 ]
340	192	[ 93, 138, 139, 141 ]
341	192	[ 80, 139 ]
342	192	[ 78, 139 ]
343	192	[ 79, 139 ]
344	192	[ 94, 139 ]
345	192	[ 61, 142, 143, 144 ]
346	192	[ 62, 142 ]
347	192	[ 142 ]
348	192	[ 142 ]
349	192	[ 142, 146, 147 ]
350	192	[ 142, 145, 148 ]
351	192	[ 63, 143 ]
352	192	[ 64, 143 ]
353	192	[ 143, 147, 148 ]
354	192	[ 143 ]
355	192	[ 143, 145, 146 ]
356	192	[ 143 ]
357	192	[ 65, 144 ]
358	192	[ 66, 144 ]
359	192	[ 144, 146, 148 ]
360	192	[ 144 ]
361	192	[ 144, 145, 147 ]
362	192	[ 144 ]
363	192	[ 57 ]
364	192	[ 57, 149 ]
365	192	[ 59, 149 ]
366	192	[ 58, 149 ]
367	194	[ 4 ]

368	196	[ 34, 150 ]
369	196	[ 7 ]
370	198	[ 24, 95 ]
371	200	[ 49, 151 ]
372	200	[ 50, 51 ]
373	200	[ 50, 152 ]
374	200	[ 50, 52, 153 ]
375	200	[ 51, 52 ]
376	200	[ 51, 151 ]
377	200	[ 52, 154 ]
378	200	[ 53, 151 ]
379	200	[ 12 ]
380	200	[ 13 ]
381	200	[ 13 ]
382	202	[ 4 ]
383	204	[ 15, 96, 155 ]
384	206	[ 4 ]
385	208	[ 23, 156 ]
386	208	[ 17, 157 ]
387	208	[ 18, 156, 157, 158 ]
388	208	[ 19, 157 ]
389	208	[ 20, 158 ]
390	208	[ 21, 156 ]
391	208	[ 22, 158 ]
392	208	[ 23, 159 ]
393	208	[ 18, 159 ]
394	208	[ 21, 159 ]
395	208	[ 23, 160 ]
396	208	[ 18, 160 ]
397	208	[ 21, 160 ]
398	210	[ 35, 54, 99 ]
399	212	[ 5, 161 ]
400	212	[ 7 ]
401	212	[ 7 ]
402	214	[ 4 ]
403	216	[ 101, 162 ]
404	216	[ 102, 162 ]
405	216	[ 31, 103 ]

406	216	[ 103, 163 ]
407	216	[ 104, 162 ]
408	216	[ 32, 100 ]
409	216	[ 100 ]
410	216	[ 105 ]
411	216	[ 106 ]
412	216	[ 71, 107 ]
413	218	[ 4 ]
414	220	[ 27, 55, 164 ]
415	222	[ 8, 108 ]
416	224	[ 40, 165 ]
417	224	[ 41, 165, 166, 167 ]
418	224	[ 42, 165 ]
419	224	[ 43, 166, 168, 169 ]
420	224	[ 38, 166 ]
421	224	[ 44, 166, 170, 171 ]
422	224	[ 36, 166 ]
423	224	[ 37, 166 ]
424	224	[ 39, 166 ]
425	226	[ 4 ]
426	228	[ 15, 109, 172 ]
427	230	[ 14, 56 ]
428	232	[ 11, 173 ]
429	232	[ 10, 173 ]
430	232	[ 12, 173 ]
431	232	[ 11, 174 ]
432	232	[ 11, 175 ]
433	234	[ 24, 110 ]
434	236	[ 5, 176 ]
435	238	[ 16, 45 ]
436	240	[ 57, 76, 181 ]
437	240	[ 61, 118, 179 ]
438	240	[ 61, 119, 180 ]
439	240	[ 60, 111, 182 ]
440	240	[ 61, 112, 182, 183, 184 ]
441	240	[ 62, 113, 182 ]
442	240	[ 63, 114, 183 ]
443	240	[ 64, 115, 183 ]

444	240	[ 65, 116, 184 ]
445	240	[ 66, 117, 184 ]
446	240	[ 58, 181 ]
447	240	[ 59, 181 ]
448	240	[ 63, 122, 179 ]
449	240	[ 63, 123, 180 ]
450	240	[ 64, 121, 179 ]
451	240	[ 64, 120, 180 ]
452	240	[ 177 ]
453	240	[ 5, 177 ]
454	240	[ 177 ]
455	240	[ 5, 178 ]
456	240	[ 6, 178 ]
457	240	[ 7, 178 ]
458	242	[ 28 ]
459	244	[ 5, 185 ]
460	244	[ 7 ]
461	244	[ 7 ]
462	246	[ 8, 124 ]
463	248	[ 11, 186 ]
464	248	[ 10, 186 ]
465	248	[ 12, 186 ]
466	250	[ 67 ]
467	252	[ 47, 125, 187 ]
468	254	[ 4 ]
469	256	[ 188 ]
470	256	[ 188, 189, 190 ]
471	256	[ 188 ]
472	256	[ 189, 191, 196 ]
473	256	[ 189, 192, 194 ]
474	256	[ 189, 193, 195 ]
475	256	[ 189 ]
476	256	[ 189 ]
477	256	[ 189 ]
478	256	[ 191, 194, 195 ]
479	256	[ 191, 192, 193, 197, 198, 203, 204 ]
480	256	[ 192 ]
481	256	[ 192 ]

482	256	[ 192, 199, 201 ]
483	256	[ 192, 200, 202 ]
484	256	[ 192, 195, 196 ]
485	256	[ 193, 194, 196 ]
486	256	[ 197 ]
487	256	[ 197 ]
488	256	[ 198, 201, 202, 207, 208, 209, 210 ]
489	256	[ 198 ]
490	256	[ 198 ]
491	256	[ 198, 199, 200 ]
492	256	[ 198 ]
493	256	[ 198, 205, 206 ]
494	256	[ 199, 202, 203 ]
495	256	[ 200, 201, 203 ]
496	256	[ 201, 219, 221 ]
497	256	[ 201 ]
498	256	[ 201 ]
499	256	[ 201, 215, 217 ]
500	256	[ 201 ]
501	256	[ 201 ]
502	256	[ 201 ]
503	256	[ 201, 220, 222 ]
504	256	[ 201 ]
505	256	[ 201 ]
506	256	[ 201 ]
507	256	[ 201, 216, 218 ]
508	256	[ 202 ]
509	256	[ 202 ]
510	256	[ 202, 211, 212 ]
511	256	[ 202, 213, 214 ]
512	256	[ 207, 211, 213 ]
513	256	[ 207 ]
514	256	[ 207, 216, 217 ]
515	256	[ 207, 215, 218 ]
516	256	[ 207 ]
517	256	[ 207, 212, 214 ]
518	256	[ 208, 220, 221 ]
519	256	[ 208, 219, 222 ]

520	256	[ 209 ]
521	256	[ 209 ]
522	256	[ 209, 221, 222 ]
523	256	[ 209, 211, 214 ]
524	256	[ 209, 212, 213 ]
525	256	[ 209, 219, 220 ]
526	256	[ 210, 217, 218 ]
527	256	[ 210, 215, 216 ]
528	256	[ 215 ]
529	256	[ 215 ]
530	256	[ 215 ]
531	256	[ 215 ]
532	256	[ 217 ]
533	256	[ 217 ]
534	256	[ 217 ]
535	256	[ 217 ]
536	256	[ 221 ]
537	256	[ 221 ]
538	256	[ 221 ]
539	256	[ 221 ]
540	258	[ 8, 126 ]
541	260	[ 27, 68, 223 ]
542	260	[ 25, 69 ]
543	260	[ 26, 69 ]
544	260	[ 25, 70 ]
545	260	[ 26, 70 ]
546	262	[ 4 ]
547	264	[ 29, 95 ]
548	264	[ 30, 128, 224 ]
549	264	[ 31, 127, 224 ]
550	264	[ 32, 129, 224 ]
551	266	[ 16, 48 ]
552	268	[ 5, 225 ]
553	270	[ 71, 130 ]
554	272	[ 17, 226 ]
555	272	[ 18, 228 ]
556	272	[ 18, 229 ]
557	272	[ 18, 226, 227, 230 ]

558	272	[ 19, 226 ]
559	272	[ 20, 230 ]
560	272	[ 21, 227 ]
561	272	[ 21, 229 ]
562	272	[ 21, 228 ]
563	272	[ 22, 230 ]
564	272	[ 23, 231 ]
565	272	[ 23, 233 ]
566	272	[ 23, 234 ]
567	272	[ 23, 228 ]
568	272	[ 23, 229 ]
569	272	[ 23, 232 ]
570	272	[ 23, 227 ]
571	274	[ 4 ]
572	276	[ 15, 131, 235 ]
573	278	[ 4 ]
574	280	[ 52, 73 ]
575	280	[ 50, 73 ]
576	280	[ 49, 72, 236 ]
577	280	[ 51, 73, 236 ]
578	280	[ 53, 74, 236 ]
579	282	[ 8, 132 ]
580	284	[ 5, 237 ]
581	286	[ 28, 33 ]
582	288	[ 133, 238 ]
583	288	[ 134, 238, 239, 242 ]
584	288	[ 135, 238 ]
585	288	[ 136, 239, 249, 253 ]
586	288	[ 137, 239 ]
587	288	[ 138, 239, 245, 251 ]
588	288	[ 139, 239 ]
589	288	[ 140, 239 ]
590	288	[ 141, 239 ]
591	288	[ 101, 142, 257 ]
592	288	[ 102, 143, 257 ]
593	288	[ 104, 144, 257 ]
594	288	[ 145, 257 ]
595	288	[ 146, 257 ]

596	288	[ 147, 257 ]
597	288	[ 148, 257, 258, 259 ]
598	288	[ 107, 149 ]
599	288	[ 41, 240 ]
600	288	[ 44, 240 ]
601	288	[ 36, 240 ]
602	288	[ 37, 240 ]
603	288	[ 38, 240 ]
604	288	[ 39, 240 ]
605	288	[ 43, 240, 250, 254 ]
606	288	[ 43, 241 ]
607	288	[ 41, 241 ]
608	288	[ 36, 241 ]
609	288	[ 37, 241 ]
610	288	[ 38, 241 ]
611	288	[ 39, 241 ]
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613	288	[ 43, 256 ]
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120	378	[ 18, 35 ]
121	378	[ 19, 36 ]

122	378	[ 19, 35 ]
123	378	[ 20, 36 ]
124	378	[ 20, 35 ]
125	378	[ 21, 36, 37 ]
126	378	[ 21, 35, 38 ]
127	384	[ 62 ]
128	384	[ 30 ]
129	384	[ 63 ]
130	384	[ 31 ]
131	402	[ 4 ]
132	402	[ 4 ]
133	432	[ 16 ]
134	432	[ 16 ]
135	432	[ 41, 69 ]
136	432	[ 41, 42, 71 ]
137	432	[ 41, 70 ]
138	432	[ 41, 72 ]
139	432	[ 41, 73 ]
140	432	[ 39, 40, 65 ]
141	432	[ 40, 64 ]
142	432	[ 40, 66 ]
143	432	[ 40, 67 ]
144	432	[ 40, 68 ]
145	438	[ 4 ]
146	438	[ 4 ]
147	450	[ 8, 43 ]
148	450	[ 10, 43 ]
149	450	[ 8, 44 ]
150	450	[ 9, 44 ]
151	456	[ 11, 32 ]
152	456	[ 11, 33 ]
153	474	[ 4 ]
154	474	[ 4 ]
155	486	[ 47, 48, 49, 50, 53 ]
156	486	[ 46, 50, 51, 52 ]
157	486	[ 50, 54 ]
158	486	[ 50, 55 ]
159	486	[ 45, 50 ]

160	486	[ 51, 54 ]
161	486	[ 51, 53 ]
162	486	[ 51, 55 ]
163	486	[ 45, 51 ]
164	486	[ 51 ]
165	486	[ 51 ]
166	486	[ 51 ]
167	486	[ 51 ]
168	486	[ 51 ]
169	486	[ 51 ]
170	486	[ 51 ]
171	486	[ 51 ]
172	486	[ 51 ]
173	486	[ 46, 54 ]
174	486	[ 45, 46 ]
175	486	[ 46, 53 ]
176	486	[ 46, 55 ]
177	486	[ 52, 55 ]
178	486	[ 45, 52 ]
179	486	[ 52, 54 ]
180	486	[ 52, 53 ]
181	486	[ 45, 53, 54, 55 ]
182	486	[ 54 ]
183	486	[ 54 ]
184	486	[ 54 ]
185	504	[ 1 ]
186	504	[ 1 ]
187	504	[ 1 ]
188	504	[ 1 ]
189	504	[ 1 ]
190	504	[ 1 ]
191	504	[ 1 ]
192	504	[ 1 ]
193	504	[ 26, 36 ]
194	504	[ 24, 37, 57 ]
195	504	[ 26, 35 ]
196	504	[ 24, 38, 58 ]
197	504	[ 25, 36, 57 ]

198	504	[ 25, 35, 58 ]
199	504	[ 3, 56 ]
200	540	[ 6, 59 ]
201	546	[ 14, 28 ]
202	546	[ 15, 28 ]
203	546	[ 14, 29 ]
204	546	[ 15, 29 ]
205	558	[ 8, 60 ]
206	558	[ 10, 60 ]
207	558	[ 8, 61 ]
208	558	[ 10, 61 ]
209	576	[ 39, 62, 83 ]
210	576	[ 6 ]
211	576	[ 40, 62, 84 ]
212	576	[ 40, 85 ]
213	576	[ 85 ]
214	576	[ 41, 85 ]
215	576	[ 41, 63, 86 ]
216	576	[ 42, 63, 87 ]
217	582	[ 4 ]
218	582	[ 4 ]
219	600	[ 11, 43 ]
220	600	[ 12, 44 ]
221	618	[ 4 ]
222	618	[ 4 ]
223	624	[ 17, 92 ]
224	624	[ 17, 93 ]
225	648	[ 12 ]
226	648	[ 11 ]
227	648	[ 12 ]
228	648	[ 12 ]
229	648	[ 12 ]
230	648	[ 12 ]
231	648	[ 47, 65, 67 ]
232	648	[ 50, 65, 66 ]
233	648	[ 48, 65, 68 ]
234	648	[ 49, 64, 65 ]
235	648	[ 54, 66 ]

236	648	[ 53, 64, 66, 67, 68 ]
237	648	[ 55, 66 ]
238	648	[ 45, 66 ]
239	648	[ 51, 66 ]
240	648	[ 52, 66 ]
241	648	[ 46, 66 ]
242	648	[ 11, 97 ]
243	648	[ 11, 94 ]
244	648	[ 11, 95 ]
245	648	[ 11, 96 ]
246	648	[ 47, 69, 72 ]
247	648	[ 50, 69, 70 ]
248	648	[ 48, 69, 73 ]
249	648	[ 49, 69, 71 ]
250	648	[ 51, 70 ]
251	648	[ 52, 70 ]
252	648	[ 46, 70 ]
253	648	[ 54, 70 ]
254	648	[ 53, 70, 71, 72, 73 ]
255	648	[ 55, 70 ]
256	648	[ 45, 70 ]
257	654	[ 4 ]
258	654	[ 4 ]
259	660	[ 1 ]
260	666	[ 8, 75 ]
261	666	[ 8, 74 ]
262	666	[ 10 ]
263	666	[ 10 ]
264	666	[ 10 ]
265	666	[ 10 ]
266	666	[ 10, 74 ]
267	666	[ 10 ]
268	666	[ 10, 75 ]
269	666	[ 10 ]
270	672	[ 30, 57 ]
271	672	[ 30, 58 ]
272	672	[ 102 ]
273	672	[ 98 ]

274	672	[ 99 ]
275	702	[ 22, 76 ]
276	702	[ 18, 76 ]
277	702	[ 19, 76 ]
278	702	[ 20, 76 ]
279	702	[ 21, 76, 77 ]
280	702	[ 22, 78 ]
281	702	[ 18, 78 ]
282	702	[ 19, 78 ]
283	702	[ 20, 78 ]
284	702	[ 21, 78, 79 ]
285	720	[ 2 ]
286	720	[ 2 ]
287	720	[ 7, 59 ]
288	720	[ 80, 113 ]
289	720	[ 80, 114 ]
290	726	[ 4 ]
291	726	[ 5 ]
292	744	[ 11, 60 ]
293	744	[ 11, 61 ]
294	750	[ 43 ]
295	750	[ 44 ]
296	762	[ 4 ]
297	762	[ 4 ]
298	768	[ 62, 128 ]
299	768	[ 62 ]
300	768	[ 62 ]
301	768	[ 62 ]
302	768	[ 62 ]
303	768	[ 63 ]
304	768	[ 63, 130 ]
305	768	[ 63 ]
306	774	[ 8, 81 ]
307	774	[ 10, 81 ]
308	774	[ 8, 82 ]
309	774	[ 10, 82 ]
310	798	[ 14, 32 ]
311	798	[ 15, 32 ]

312	798	[ 14, 33 ]
313	798	[ 15, 33 ]
314	834	[ 4 ]
315	834	[ 4 ]
316	864	[ 65, 69, 85 ]
317	864	[ 64, 71, 85 ]
318	864	[ 64, 84 ]
319	864	[ 66, 84 ]
320	864	[ 68, 84 ]
321	864	[ 67, 84 ]
322	864	[ 65, 83, 84 ]
323	864	[ 69, 86 ]
324	864	[ 70, 86 ]
325	864	[ 73, 86 ]
326	864	[ 72, 86 ]
327	864	[ 71, 86, 87 ]
328	864	[ 66, 70, 85 ]
329	864	[ 67, 72, 85 ]
330	864	[ 68, 73, 85 ]
331	882	[ 35, 36, 88 ]
332	882	[ 35, 90 ]
333	882	[ 36, 89 ]
334	882	[ 8, 91 ]
335	882	[ 9, 91 ]
336	882	[ 37, 89 ]
337	882	[ 37, 38, 88 ]
338	882	[ 38, 90 ]
339	888	[ 11, 74 ]
340	888	[ 11, 75 ]
341	906	[ 4 ]
342	906	[ 4 ]
343	912	[ 17, 151 ]
344	912	[ 17, 152 ]
345	936	[ 26, 76 ]
346	936	[ 24, 77, 92 ]
347	936	[ 25, 76, 92 ]
348	936	[ 26, 78 ]
349	936	[ 24, 79, 93 ]



350	936	[ 25, 78, 93 ]
351	942	[ 4 ]
352	942	[ 4 ]
353	972	[ 13, 95 ]
354	972	[ 13, 96 ]
355	972	[ 13, 97 ]
356	972	[ 13, 94 ]
357	978	[ 4 ]
358	978	[ 4 ]

**Group :**  $C_2 * C_{10}$

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 105.4

Number	Index	Supergroups
1	1	[ ]
2	2	[ 1 ]
3	2	[ 1 ]
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, 11, 12, 13 ]
19	20	[ 5, 10 ]
20	20	[ 5, 9 ]

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

59	78	[ 7, 23 ]
60	80	[ 16, 31 ]
61	80	[ 6 ]
62	80	[ 16, 33 ]
63	80	[ 16, 32 ]
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, 19, 38 ]
75	100	[ 18, 20, 39 ]
76	100	[ 19, 20 ]
77	100	[ 20, 40 ]
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 ]
88	110	[ 13 ]
89	110	[ 13 ]
90	110	[ 13 ]
91	110	[ 13, 21 ]
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, 49 ]
100	120	[ 22, 32, 47 ]
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	[ 13, 23 ]
112	130	[ 9, 23 ]
113	132	[ 14, 35, 52 ]
114	134	[ 4 ]
115	136	[ 8, 53 ]
116	138	[ 7, 36 ]
117	140	[ 19, 24 ]
118	140	[ 18, 24, 54 ]
119	140	[ 20, 24, 55 ]
120	142	[ 4 ]
121	144	[ 37, 56 ]
122	146	[ 4 ]
123	148	[ 5, 57 ]
124	150	[ 25, 26, 39 ]
125	150	[ 25, 40 ]
126	150	[ 7 ]
127	152	[ 8, 58 ]
128	154	[ 15, 21 ]
129	156	[ 14, 41, 59 ]
130	158	[ 4 ]
131	160	[ 27, 60 ]
132	160	[ 12, 61 ]
133	160	[ 11, 61 ]
134	160	[ 13, 61 ]

135	160	[ 61 ]
136	160	[ 61 ]
137	160	[ 61 ]
138	160	[ 61 ]
139	160	[ 27, 62 ]
140	160	[ 27, 63 ]
141	160	[ 10 ]
142	162	[ 42 ]
143	164	[ 5, 64 ]
144	166	[ 4 ]
145	168	[ 22, 43, 65 ]
146	170	[ 13, 28 ]
147	170	[ 9, 28 ]
148	172	[ 5, 66 ]
149	174	[ 7, 44 ]
150	176	[ 16, 67 ]
151	178	[ 4 ]
152	180	[ 29, 47 ]
153	180	[ 29, 48, 68 ]
154	180	[ 29, 49, 69 ]
155	182	[ 15, 23 ]
156	184	[ 8, 70 ]
157	186	[ 7, 50 ]
158	188	[ 5, 71 ]
159	190	[ 13, 30 ]
160	190	[ 9, 30 ]
161	192	[ 51, 72 ]
162	194	[ 4 ]
163	196	[ 24, 73 ]
164	198	[ 17, 52 ]
165	200	[ 32, 33, 76 ]
166	200	[ 31, 32, 74 ]
167	200	[ 31, 33, 75 ]
168	200	[ 33, 77 ]
169	200	[ 8 ]
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	[ 19, 35 ]
181	220	[ 18, 35, 91 ]
182	220	[ 20, 35, 82 ]
183	220	[ 18, 83 ]
184	220	[ 18, 84 ]
185	220	[ 18, 85 ]
186	220	[ 18, 86 ]
187	220	[ 18, 87 ]
188	220	[ 18, 88 ]
189	220	[ 18, 89 ]
190	220	[ 18, 90 ]
191	222	[ 7, 57 ]
192	224	[ 27, 92 ]
193	226	[ 4 ]
194	228	[ 14, 58, 93 ]
195	230	[ 13, 36 ]
196	230	[ 9, 36 ]
197	232	[ 8, 94 ]
198	234	[ 17, 59 ]
199	236	[ 5, 95 ]
200	238	[ 15, 28 ]
201	240	[ 37, 62, 99 ]
202	240	[ 37, 60, 98 ]
203	240	[ 37, 63, 100 ]
204	240	[ 5, 101, 102, 103 ]
205	240	[ 102 ]
206	240	[ 102 ]
207	240	[ 5, 104, 105, 106 ]
208	240	[ 105 ]
209	240	[ 105 ]
210	240	[ 96 ]

211	240	[ 5, 96 ]
212	240	[ 96 ]
213	240	[ 97 ]
214	240	[ 5, 97 ]
215	240	[ 97 ]
216	242	[ 21 ]
217	244	[ 5, 107 ]
218	246	[ 7, 64 ]
219	248	[ 8, 108 ]
220	250	[ 38 ]
221	250	[ 39 ]
222	250	[ 39, 40 ]
223	250	[ 39 ]
224	250	[ 39 ]
225	250	[ 39 ]
226	250	[ 39 ]
227	250	[ 40 ]
228	252	[ 29, 65, 109 ]
229	254	[ 4 ]
230	256	[ 110 ]
231	258	[ 7, 66 ]
232	260	[ 19, 41 ]
233	260	[ 18, 41, 111 ]
234	260	[ 20, 41, 112 ]
235	262	[ 4 ]
236	264	[ 22, 67, 113 ]
237	266	[ 15, 30 ]
238	268	[ 5, 114 ]
239	270	[ 42, 68 ]
240	270	[ 42, 69 ]
241	272	[ 16, 115 ]
242	274	[ 4 ]
243	276	[ 14, 70, 116 ]
244	278	[ 4 ]
245	280	[ 31, 43, 118 ]
246	280	[ 32, 43, 117 ]
247	280	[ 33, 43, 119 ]
248	282	[ 7, 71 ]

249	284	[ 5, 120 ]
250	286	[ 21, 23 ]
251	288	[ 72, 121 ]
252	290	[ 13, 44 ]
253	290	[ 9, 44 ]
254	292	[ 5, 122 ]
255	294	[ 34, 73 ]
256	296	[ 8, 123 ]
257	298	[ 4 ]
258	300	[ 47, 48, 74 ]
259	300	[ 47, 49, 76 ]
260	300	[ 48, 49, 75, 124 ]
261	300	[ 49, 77, 125 ]
262	300	[ 14 ]
263	300	[ 14, 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 ]
278	310	[ 13 ]
279	310	[ 13, 50 ]
280	312	[ 22, 79, 129 ]
281	314	[ 4 ]
282	316	[ 5, 130 ]
283	318	[ 7, 80 ]
284	320	[ 51, 131 ]
285	320	[ 18, 132, 133, 134 ]
286	320	[ 132 ]



287	320	[ 132 ]
288	320	[ 132, 136, 137 ]
289	320	[ 132 ]
290	320	[ 132 ]
291	320	[ 132, 135, 138 ]
292	320	[ 133, 136, 138 ]
293	320	[ 133, 135, 137 ]
294	320	[ 134, 137, 138 ]
295	320	[ 134, 135, 136 ]
296	320	[ 51, 139 ]
297	320	[ 51, 140 ]
298	320	[ 19, 141 ]
299	320	[ 141 ]
300	320	[ 141 ]
301	320	[ 141 ]
302	320	[ 141 ]
303	320	[ 141 ]
304	320	[ 141 ]
305	322	[ 15, 36 ]
306	324	[ 81, 142 ]
307	326	[ 4 ]
308	328	[ 8, 143 ]
309	330	[ 25, 52, 82 ]
310	330	[ 26, 52, 91 ]
311	330	[ 26, 87 ]
312	330	[ 26, 88 ]
313	330	[ 26, 89 ]
314	330	[ 26, 90 ]
315	332	[ 5, 144 ]
316	334	[ 4 ]
317	336	[ 37, 92, 145 ]
318	338	[ 23 ]
319	340	[ 19, 53 ]
320	340	[ 18, 53, 146 ]
321	340	[ 20, 53, 147 ]
322	342	[ 17, 93 ]
323	344	[ 8, 148 ]
324	346	[ 4 ]

325	348	[ 14, 94, 149 ]
326	350	[ 39, 54, 55 ]
327	350	[ 40, 55 ]
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, 152 ]
336	360	[ 56, 99, 154 ]
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	[ 13, 57 ]
344	370	[ 9, 57 ]
345	372	[ 14, 108, 157 ]
346	374	[ 21, 28 ]
347	376	[ 8, 158 ]
348	378	[ 42, 109 ]
349	380	[ 19, 58 ]
350	380	[ 18, 58, 159 ]
351	380	[ 20, 58, 160 ]
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	[ 62, 63, 165 ]

363	400	[ 60, 62, 167 ]
364	400	[ 62, 168 ]
365	400	[ 60, 63, 166 ]
366	400	[ 16, 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, 64 ]
377	410	[ 13 ]
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	[ 49, 65, 119, 174 ]
386	420	[ 48, 65, 118, 175 ]
387	420	[ 47, 65, 117 ]
388	422	[ 4 ]
389	424	[ 8, 176 ]
390	426	[ 7, 120 ]
391	428	[ 5, 177 ]
392	430	[ 13, 66 ]
393	430	[ 9, 66 ]
394	432	[ 121, 178 ]
395	434	[ 15, 50 ]
396	436	[ 5, 179 ]
397	438	[ 7, 122 ]
398	440	[ 31, 67, 181 ]
399	440	[ 32, 67, 180 ]
400	440	[ 33, 67, 182 ]

401	440	[ 31, 183 ]
402	440	[ 31, 184 ]
403	440	[ 31, 185 ]
404	440	[ 31, 186 ]
405	440	[ 31, 187 ]
406	440	[ 31, 188 ]
407	440	[ 31, 189 ]
408	440	[ 31, 190 ]
409	442	[ 23, 28 ]
410	444	[ 14, 123, 191 ]
411	446	[ 4 ]
412	448	[ 51, 192 ]
413	450	[ 68, 69, 124 ]
414	450	[ 69, 125 ]
415	450	[ 17, 126 ]
416	452	[ 5, 193 ]
417	454	[ 4 ]
418	456	[ 22, 127, 194 ]
419	458	[ 4 ]
420	460	[ 19, 70 ]
421	460	[ 18, 70, 195 ]
422	460	[ 20, 70, 196 ]
423	462	[ 34, 52, 128 ]
424	464	[ 16, 197 ]
425	466	[ 4 ]
426	468	[ 29, 129, 198 ]
427	470	[ 13, 71 ]
428	470	[ 9, 71 ]
429	472	[ 8, 199 ]
430	474	[ 7, 130 ]
431	476	[ 24, 53, 200 ]
432	478	[ 4 ]
433	480	[ 72, 139, 201 ]
434	480	[ 72, 131, 202 ]
435	480	[ 26, 134 ]
436	480	[ 204 ]
437	480	[ 8, 204 ]
438	480	[ 204, 205, 206 ]

439	480	[ 207, 208, 209 ]
440	480	[ 8, 207 ]
441	480	[ 207 ]
442	480	[ 72, 140, 203 ]
443	480	[ 210, 211, 212 ]
444	480	[ 211 ]
445	480	[ 8, 211 ]
446	480	[ 213, 214, 215 ]
447	480	[ 214 ]
448	480	[ 8, 214 ]
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, 220 ]
460	500	[ 74, 75, 76 ]
461	500	[ 75, 221 ]
462	500	[ 75, 77, 222 ]
463	500	[ 75, 225 ]
464	500	[ 75, 226 ]
465	500	[ 75, 223 ]
466	500	[ 75, 224 ]
467	500	[ 76, 77 ]
468	500	[ 76 ]
469	500	[ 77, 227 ]

**Group :**  $C_2 * C_{11}$

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 13.3

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 : 91.5

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

46	24	[ 15, 23 ]
47	24	[ 16, 23 ]
48	24	[ 13 ]
49	26	[ 4 ]
50	28	[ 6, 24 ]
51	30	[ 12, 17 ]
52	30	[ 13, 17 ]
53	32	[ 25 ]
54	32	[ 25, 26, 27 ]
55	32	[ 25 ]
56	32	[ 26 ]
57	32	[ 26 ]
58	34	[ 4 ]
59	36	[ 22, 23 ]
60	36	[ 18, 22, 28 ]
61	36	[ 18, 23, 29 ]
62	36	[ 23, 30 ]
63	36	[ 8 ]
64	38	[ 4 ]
65	40	[ 15, 33 ]
66	40	[ 14, 33 ]
67	40	[ 16, 33 ]
68	40	[ 15, 31 ]
69	40	[ 15, 32 ]
70	42	[ 10 ]
71	42	[ 10 ]
72	42	[ 12 ]
73	42	[ 12 ]
74	42	[ 12, 24 ]
75	42	[ 13, 24 ]
76	44	[ 6, 34 ]
77	46	[ 4 ]
78	48	[ 26, 35, 36, 37 ]
79	48	[ 25, 35 ]
80	48	[ 27, 35 ]
81	48	[ 18, 38, 39, 40 ]
82	48	[ 38 ]
83	48	[ 38 ]



84	48	[ 19, 39 ]
85	48	[ 20, 39 ]
86	48	[ 40 ]
87	48	[ 40 ]
88	48	[ 26, 41, 42, 43 ]
89	48	[ 25, 43 ]
90	48	[ 27, 43 ]
91	48	[ 22, 44 ]
92	48	[ 44 ]
93	48	[ 44 ]
94	48	[ 25, 45 ]
95	48	[ 26, 45, 46, 47 ]
96	48	[ 27, 45 ]
97	48	[ 23, 48 ]
98	50	[ 17 ]
99	52	[ 6, 49 ]
100	52	[ 8 ]
101	52	[ 8 ]
102	54	[ 28 ]
103	54	[ 29 ]
104	54	[ 29 ]
105	54	[ 29, 30 ]
106	54	[ 29 ]
107	54	[ 30 ]
108	56	[ 14, 50 ]
109	56	[ 15, 50 ]
110	56	[ 16, 50 ]
111	58	[ 4 ]
112	60	[ 1 ]
113	60	[ 18, 33, 51 ]
114	60	[ 22, 33 ]
115	60	[ 23, 33, 52 ]
116	60	[ 20, 31 ]
117	60	[ 20, 32 ]
118	62	[ 4 ]
119	64	[ 53 ]
120	64	[ 53, 54, 55 ]
121	64	[ 53 ]

122	64	[ 54, 56, 57 ]
123	64	[ 54 ]
124	64	[ 57 ]
125	64	[ 57 ]
126	66	[ 12, 34 ]
127	66	[ 13, 34 ]
128	68	[ 6, 58 ]
129	68	[ 8 ]
130	68	[ 8 ]
131	70	[ 17, 24 ]
132	72	[ 35, 45, 61 ]
133	72	[ 45, 62 ]
134	72	[ 43, 45, 59 ]
135	72	[ 35, 43, 60 ]
136	72	[ 14 ]
137	72	[ 46, 62 ]
138	72	[ 42, 46, 59 ]
139	72	[ 36, 46, 61 ]
140	72	[ 36, 42, 60 ]
141	72	[ 15, 63 ]
142	72	[ 37, 47, 61 ]
143	72	[ 47, 62 ]
144	72	[ 41, 47, 59 ]
145	72	[ 37, 41, 60 ]
146	72	[ 16 ]
147	72	[ 28, 38 ]
148	72	[ 29, 40 ]
149	72	[ 28, 44 ]
150	72	[ 29, 48 ]
151	72	[ 30, 48 ]
152	74	[ 4 ]
153	76	[ 6, 64 ]
154	78	[ 10 ]
155	78	[ 10 ]
156	78	[ 12 ]
157	78	[ 12 ]
158	78	[ 12, 49 ]
159	78	[ 13, 49 ]

160	80	[ 25, 66 ]
161	80	[ 26, 65, 66, 67 ]
162	80	[ 27, 66 ]
163	80	[ 26, 68 ]
164	80	[ 26, 69 ]
165	82	[ 4 ]
166	84	[ 18, 50, 74 ]
167	84	[ 22, 50 ]
168	84	[ 23, 50, 75 ]
169	84	[ 18, 70 ]
170	84	[ 18, 71 ]
171	84	[ 18, 72 ]
172	84	[ 18, 73 ]
173	86	[ 4 ]
174	88	[ 15, 76 ]
175	88	[ 14, 76 ]
176	88	[ 16, 76 ]
177	90	[ 29, 51, 52 ]
178	90	[ 30, 52 ]
179	92	[ 6, 77 ]
180	94	[ 4 ]
181	96	[ 56, 78 ]
182	96	[ 57, 78 ]
183	96	[ 54, 78, 79, 80 ]
184	96	[ 53, 79 ]
185	96	[ 55, 79 ]
186	96	[ 35, 81 ]
187	96	[ 36, 81, 84, 85 ]
188	96	[ 37, 81 ]
189	96	[ 81 ]
190	96	[ 81, 86, 87 ]
191	96	[ 81 ]
192	96	[ 81, 82, 83 ]
193	96	[ 38 ]
194	96	[ 39 ]
195	96	[ 40 ]
196	96	[ 56, 88 ]
197	96	[ 57, 88 ]

198	96	[ 54, 88, 89, 90 ]
199	96	[ 41, 91 ]
200	96	[ 42, 91 ]
201	96	[ 53, 89 ]
202	96	[ 55, 89 ]
203	96	[ 43, 91 ]
204	96	[ 91 ]
205	96	[ 91 ]
206	96	[ 91 ]
207	96	[ 91, 92, 93 ]
208	96	[ 44 ]
209	96	[ 53, 94 ]
210	96	[ 54, 94, 95, 96 ]
211	96	[ 55, 94 ]
212	96	[ 56, 95 ]
213	96	[ 57, 95 ]
214	96	[ 45, 97 ]
215	96	[ 46, 97 ]
216	96	[ 47, 97 ]
217	98	[ 24 ]
218	100	[ 33, 98 ]
219	100	[ 31 ]
220	100	[ 31, 32 ]
221	100	[ 32 ]
222	102	[ 12, 58 ]
223	102	[ 13, 58 ]
224	104	[ 15, 99 ]
225	104	[ 14, 99 ]
226	104	[ 16, 99 ]
227	104	[ 15, 100 ]
228	104	[ 15, 101 ]
229	106	[ 4 ]
230	108	[ 59, 62 ]
231	108	[ 59, 60, 61 ]
232	108	[ 59 ]
233	108	[ 60, 102 ]
234	108	[ 61, 103 ]
235	108	[ 61, 104 ]

236	108	[ 61, 62, 105 ]
237	108	[ 61, 106 ]
238	108	[ 62, 107 ]
239	108	[ 20, 63 ]
240	108	[ 63 ]
241	108	[ 63 ]
242	108	[ 63 ]
243	110	[ 17, 34 ]
244	112	[ 25, 108 ]
245	112	[ 26, 108, 109, 110 ]
246	112	[ 27, 108 ]
247	114	[ 10 ]
248	114	[ 10 ]
249	114	[ 12, 64 ]
250	114	[ 12 ]
251	114	[ 12 ]
252	114	[ 13, 64 ]
253	116	[ 6, 111 ]
254	116	[ 8 ]
255	116	[ 8 ]
256	118	[ 4 ]
257	120	[ 4 ]
258	120	[ 2 ]
259	120	[ 4 ]
260	120	[ 2 ]
261	120	[ 2 ]
262	120	[ 36, 65, 113 ]
263	120	[ 40, 51 ]
264	120	[ 36, 68, 116 ]
265	120	[ 42, 68 ]
266	120	[ 46, 68 ]
267	120	[ 36, 69, 117 ]
268	120	[ 42, 69 ]
269	120	[ 46, 69 ]
270	120	[ 35, 66, 113 ]
271	120	[ 37, 67, 113 ]
272	120	[ 41, 67, 114 ]
273	120	[ 42, 65, 114 ]

274	120	[ 43, 66, 114 ]
275	120	[ 45, 66, 115 ]
276	120	[ 46, 65, 115 ]
277	120	[ 47, 67, 115 ]
278	120	[ 48, 52 ]
279	120	[ 4, 112 ]
280	120	[ 3, 112 ]
281	120	[ 2, 112 ]
282	122	[ 4 ]
283	124	[ 6, 118 ]
284	126	[ 29, 74, 75 ]
285	126	[ 30, 75 ]
286	126	[ 28, 70 ]
287	126	[ 28, 71 ]
288	126	[ 29, 72 ]
289	126	[ 29, 73 ]
290	128	[ 119 ]
291	128	[ 119, 120, 121 ]
292	128	[ 119 ]
293	128	[ 120, 122, 123 ]
294	128	[ 120 ]
295	128	[ 122 ]
296	128	[ 122, 124, 125 ]
297	128	[ 124 ]
298	128	[ 124 ]
299	128	[ 125 ]
300	128	[ 125 ]
301	130	[ 17, 49 ]
302	132	[ 18, 76, 126 ]
303	132	[ 22, 76 ]
304	132	[ 23, 76, 127 ]
305	134	[ 4 ]
306	136	[ 14, 128 ]
307	136	[ 15, 129 ]
308	136	[ 15, 130 ]
309	136	[ 15, 128 ]
310	136	[ 16, 128 ]
311	138	[ 12, 77 ]

312	138	[ 13, 77 ]
313	140	[ 33, 50, 131 ]
314	142	[ 4 ]
315	144	[ 60, 81, 147 ]
316	144	[ 61, 81, 148 ]
317	144	[ 89, 94, 134 ]
318	144	[ 79, 89, 135 ]
319	144	[ 94, 133 ]
320	144	[ 79, 94, 132 ]
321	144	[ 25, 136 ]
322	144	[ 78, 88, 135, 140, 145 ]
323	144	[ 78, 95, 132, 139, 142 ]
324	144	[ 88, 95, 134, 138, 144 ]
325	144	[ 95, 133, 137, 143 ]
326	144	[ 26, 141 ]
327	144	[ 26, 146 ]
328	144	[ 26, 136 ]
329	144	[ 90, 96, 134 ]
330	144	[ 80, 90, 135 ]
331	144	[ 80, 96, 132 ]
332	144	[ 96, 133 ]
333	144	[ 27 ]
334	144	[ 27 ]
335	144	[ 27, 136 ]
336	144	[ 60, 91, 149 ]
337	144	[ 59, 91 ]
338	144	[ 61, 97, 150 ]
339	144	[ 59, 97 ]
340	144	[ 62, 97, 151 ]
341	144	[ 82, 147 ]
342	144	[ 83, 147 ]
343	144	[ 86, 148 ]
344	144	[ 87, 148 ]
345	144	[ 92, 149 ]
346	144	[ 93, 149 ]
347	146	[ 4 ]
348	148	[ 6, 152 ]
349	148	[ 8 ]

350	148	[ 8 ]
351	150	[ 10 ]
352	150	[ 11 ]
353	150	[ 51, 98 ]
354	150	[ 12 ]
355	150	[ 52, 98 ]