

# FreeProductsBaseGroup

July 16, 2018

**Group :**  $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 527

Total Time in s : 507.5

Total Magma-Time in s : 402.63

Number	Index	Supergroups
1	1	[ ]
2	2	[ 1 ]
3	3	[ 1 ]
4	6	[ 2, 3 ]
5	6	[ 2 ]
6	12	[ 3 ]
7	18	[ 4, 5 ]
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	[ 12, 16 ]
28	144	[ 13, 17 ]
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, 19 ]
46	234	[ 7, 18 ]
47	240	[ 24 ]
48	258	[ 4 ]
49	258	[ 4 ]
50	288	[ 16, 17 ]
51	288	[ 16, 21 ]
52	288	[ 17, 20 ]
53	294	[ 5 ]
54	294	[ 10 ]
55	294	[ 10, 11 ]
56	294	[ 11 ]
57	312	[ 8, 19 ]
58	312	[ 8, 18 ]
59	324	[ 6 ]

60	336	[ 2 ]
61	336	[ 2 ]
62	336	[ 2, 33 ]
63	336	[ 13, 35 ]
64	336	[ 13, 34 ]
65	342	[ 7, 22 ]
66	342	[ 7, 23 ]
67	360	[ 5, 24 ]
68	360	[ 4, 24, 36 ]
69	366	[ 4 ]
70	366	[ 4 ]
71	378	[ 14, 26 ]
72	378	[ 14, 25 ]
73	384	[ 20 ]
74	384	[ 21 ]
75	384	[ 39 ]
76	384	[ 40 ]
77	402	[ 4 ]
78	402	[ 4 ]
79	432	[ 12 ]
80	432	[ 12 ]
81	432	[ 27, 42 ]
82	432	[ 28, 41 ]
83	438	[ 4 ]
84	438	[ 4 ]
85	450	[ 7, 29 ]
86	450	[ 7, 30 ]
87	456	[ 8, 23 ]
88	456	[ 8, 22 ]
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, 26, 34 ]
101	504	[ 17, 25, 35 ]
102	504	[ 3, 33 ]
103	546	[ 10, 19 ]
104	546	[ 10, 18 ]
105	546	[ 11, 19 ]
106	546	[ 11, 18 ]
107	558	[ 7, 38 ]
108	558	[ 7, 37 ]
109	576	[ 27, 50 ]
110	576	[ 28, 50 ]
111	576	[ 27, 40, 51 ]
112	576	[ 28, 39, 52 ]
113	576	[ 50 ]
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	[ 31, 41 ]
125	648	[ 31, 42 ]
126	648	[ 32, 42 ]
127	648	[ 32, 41 ]
128	654	[ 4 ]
129	654	[ 4 ]
130	660	[ 1 ]
131	666	[ 7, 44 ]
132	666	[ 7, 43 ]
133	672	[ 20, 34 ]
134	672	[ 20, 35 ]
135	672	[ 60 ]

136	672	[ 61 ]
137	672	[ 62 ]
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, 38 ]
148	744	[ 8, 37 ]
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, 73 ]
158	768	[ 40, 74 ]
159	768	[ 40 ]
160	768	[ 40 ]
161	774	[ 7, 48 ]
162	774	[ 7, 49 ]
163	798	[ 10, 23 ]
164	798	[ 10, 22 ]
165	798	[ 11, 23 ]
166	798	[ 11, 22 ]
167	834	[ 4 ]
168	834	[ 4 ]
169	864	[ 41, 52 ]
170	864	[ 42, 51 ]
171	864	[ 41, 42, 50 ]
172	882	[ 7, 53 ]
173	882	[ 25, 26, 55 ]

174	882	[ 25, 54 ]
175	882	[ 26, 56 ]
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	[ 16, 46 ]
184	936	[ 17, 45, 57 ]
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	[ 27, 98 ]
193	1008	[ 27, 99 ]
194	1008	[ 28, 63, 101 ]
195	1008	[ 28, 64, 100 ]
196	1008	[ 4, 62, 102 ]
197	1008	[ 5, 62 ]
198	1008	[ 5, 60 ]
199	1008	[ 4, 60 ]
200	1008	[ 5, 61 ]
201	1008	[ 4, 61 ]
202	1014	[ 5 ]
203	1014	[ 18, 19 ]
204	1014	[ 18 ]
205	1014	[ 19 ]
206	1026	[ 14, 65 ]
207	1026	[ 14, 66 ]
208	1032	[ 8, 49 ]
209	1032	[ 8, 48 ]
210	1050	[ 10, 29 ]
211	1050	[ 11, 29 ]

212	1080	[ 7, 67, 68 ]
213	1086	[ 4 ]
214	1086	[ 4 ]
215	1092	[ 1 ]
216	1092	[ 1 ]
217	1092	[ 1 ]
218	1092	[ 1 ]
219	1098	[ 7, 69 ]
220	1098	[ 7, 70 ]
221	1134	[ 31, 72 ]
222	1134	[ 31, 71 ]
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 ]
232	1158	[ 4 ]
233	1158	[ 4 ]
234	1176	[ 9, 53 ]
235	1176	[ 34, 56 ]
236	1176	[ 34, 35, 55 ]
237	1176	[ 35, 54 ]
238	1194	[ 4 ]
239	1194	[ 4 ]
240	1200	[ 12, 117 ]
241	1200	[ 13, 116 ]
242	1200	[ 13 ]
243	1200	[ 13 ]
244	1206	[ 7, 77 ]
245	1206	[ 7, 78 ]
246	1248	[ 20, 57 ]
247	1248	[ 20, 58 ]
248	1266	[ 4 ]
249	1266	[ 4 ]

250	1296	[ 12, 123 ]
251	1296	[ 13, 122 ]
252	1296	[ 27, 80 ]
253	1296	[ 27, 79 ]
254	1296	[ 81, 125 ]
255	1296	[ 82, 124 ]
256	1296	[ 81, 126 ]
257	1296	[ 82, 127 ]
258	1296	[ 79 ]
259	1296	[ 80 ]
260	1302	[ 10, 37 ]
261	1302	[ 10, 38 ]
262	1302	[ 11, 37 ]
263	1302	[ 11, 38 ]
264	1314	[ 7, 83 ]
265	1314	[ 7, 84 ]
266	1320	[ 2 ]
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 ]
275	1344	[ 39, 64, 133 ]
276	1344	[ 39, 63, 134 ]
277	1350	[ 14, 85 ]
278	1350	[ 14, 86 ]
279	1368	[ 16, 65 ]
280	1368	[ 16, 66 ]
281	1368	[ 17, 65, 88 ]
282	1368	[ 17, 66, 87 ]
283	1374	[ 4 ]
284	1374	[ 4 ]
285	1422	[ 7, 89 ]
286	1422	[ 7, 90 ]
287	1440	[ 8, 68, 142 ]



288	1440	[ 9, 67 ]
289	1440	[ 140 ]
290	1440	[ 141 ]
291	1440	[ 142 ]
292	1440	[ 142 ]
293	1446	[ 4 ]
294	1446	[ 4 ]
295	1458	[ 91, 92 ]
296	1458	[ 91 ]
297	1458	[ 91, 93, 94, 95 ]
298	1458	[ 91 ]
299	1458	[ 92 ]
300	1458	[ 95 ]
301	1464	[ 8, 70 ]
302	1464	[ 8, 69 ]
303	1482	[ 18, 23 ]
304	1482	[ 18, 22 ]
305	1482	[ 19, 23 ]
306	1482	[ 19, 22 ]
307	1488	[ 13, 148 ]
308	1488	[ 13, 147 ]
309	1500	[ 6 ]
310	1512	[ 3 ]
311	1512	[ 3 ]
312	1512	[ 41, 71, 100 ]
313	1512	[ 41, 72, 101 ]
314	1512	[ 42, 71, 99 ]
315	1512	[ 42, 72, 98 ]
316	1512	[ 3, 96 ]
317	1512	[ 3, 97 ]
318	1536	[ 73 ]
319	1536	[ 74 ]
320	1536	[ 75, 157 ]
321	1536	[ 75, 154 ]
322	1536	[ 75, 153 ]
323	1536	[ 75, 156 ]
324	1536	[ 75, 155 ]
325	1536	[ 76, 158 ]

326	1536	[ 76, 159 ]
327	1536	[ 76, 160 ]
328	1536	[ 154 ]
329	1536	[ 154 ]
330	1536	[ 159 ]
331	1536	[ 159 ]
332	1554	[ 10, 43 ]
333	1554	[ 10, 44 ]
334	1554	[ 11, 44 ]
335	1554	[ 11, 43 ]
336	1608	[ 8, 77 ]
337	1608	[ 8, 78 ]
338	1626	[ 4 ]
339	1626	[ 4 ]
340	1638	[ 25, 46, 104 ]
341	1638	[ 25, 45, 103 ]
342	1638	[ 26, 45, 105 ]
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 ]
350	1728	[ 82, 112, 169 ]
351	1728	[ 40, 79 ]
352	1728	[ 40, 80 ]
353	1728	[ 81, 111, 170 ]
354	1728	[ 81, 109, 171 ]
355	1728	[ 82, 110, 171 ]
356	1728	[ 113, 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, 177 ]

364	1776	[ 13, 176 ]
365	1800	[ 16, 85 ]
366	1800	[ 16, 86, 117 ]
367	1800	[ 17, 85, 116 ]
368	1800	[ 17, 86 ]
369	1806	[ 10, 49 ]
370	1806	[ 10, 48 ]
371	1806	[ 11, 49 ]
372	1806	[ 11, 48 ]
373	1824	[ 20, 88 ]
374	1824	[ 20, 87 ]
375	1842	[ 4 ]
376	1842	[ 4 ]
377	1854	[ 7, 118 ]
378	1854	[ 7, 119 ]
379	1872	[ 27, 183 ]
380	1872	[ 27, 182 ]
381	1872	[ 28, 121, 185 ]
382	1872	[ 28, 120, 184 ]
383	1878	[ 4 ]
384	1878	[ 4 ]
385	1896	[ 8, 89 ]
386	1896	[ 8, 90 ]
387	1920	[ 24 ]
388	1944	[ 17, 122 ]
389	1944	[ 16, 123 ]
390	1944	[ 91, 124, 127 ]
391	1944	[ 91, 125, 126 ]
392	1944	[ 92, 124 ]
393	1944	[ 92, 125 ]
394	1944	[ 93, 126 ]
395	1944	[ 93, 127 ]
396	1944	[ 94, 127 ]
397	1944	[ 94, 126 ]
398	1944	[ 95, 127 ]
399	1944	[ 95, 126 ]
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	[ 51, 98 ]
410	2016	[ 51, 99 ]
411	2016	[ 52, 101, 134 ]
412	2016	[ 52, 100, 133 ]
413	2016	[ 6, 102 ]
414	2016	[ 50, 99, 100 ]
415	2016	[ 50, 98, 101 ]
416	2016	[ 135, 198 ]
417	2016	[ 135, 199 ]
418	2016	[ 136, 200 ]
419	2016	[ 136, 201 ]
420	2016	[ 137, 196 ]
421	2016	[ 137, 197 ]
422	2022	[ 4 ]
423	2022	[ 4 ]
424	2058	[ 53 ]
425	2058	[ 54 ]
426	2058	[ 54, 55 ]
427	2058	[ 55 ]
428	2058	[ 55, 56 ]
429	2058	[ 56 ]
430	2064	[ 13, 208 ]
431	2064	[ 13, 209 ]
432	2094	[ 4 ]
433	2094	[ 4 ]
434	2106	[ 31, 139 ]
435	2106	[ 31, 138 ]
436	2106	[ 32, 138 ]
437	2106	[ 32, 139 ]
438	2160	[ 143, 144, 212 ]
439	2160	[ 4, 140 ]

440	2160	[ 140 ]
441	2160	[ 5, 140 ]
442	2160	[ 140 ]
443	2160	[ 140 ]
444	2160	[ 141 ]
445	2160	[ 5, 141 ]
446	2160	[ 141 ]
447	2160	[ 141 ]
448	2160	[ 4, 141 ]
449	2166	[ 5 ]
450	2166	[ 22, 23 ]
451	2166	[ 22 ]
452	2166	[ 23 ]
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, 58, 106 ]
461	2184	[ 34, 57, 105 ]
462	2184	[ 35, 58, 104 ]
463	2184	[ 35, 57, 103 ]
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, 108 ]
471	2232	[ 16, 107 ]
472	2232	[ 17, 107, 147 ]
473	2232	[ 17, 108, 148 ]
474	2238	[ 4 ]
475	2238	[ 4 ]
476	2250	[ 85, 149 ]
477	2250	[ 86, 150 ]

478	2274	[ 4 ]
479	2274	[ 4 ]
480	2286	[ 7, 151 ]
481	2286	[ 7, 152 ]
482	2304	[ 109, 226 ]
483	2304	[ 110, 227 ]
484	2304	[ 110, 112, 226 ]
485	2304	[ 109, 111, 227 ]
486	2304	[ 112, 157, 229 ]
487	2304	[ 111, 158, 228 ]
488	2304	[ 111, 159 ]
489	2304	[ 111, 160 ]
490	2304	[ 112, 155 ]
491	2304	[ 112, 154 ]
492	2304	[ 112, 156 ]
493	2304	[ 112, 153 ]
494	2304	[ 113, 226 ]
495	2304	[ 113, 227 ]
496	2322	[ 14, 161 ]
497	2322	[ 14, 162 ]
498	2328	[ 8, 115 ]
499	2328	[ 8, 114 ]
500	2352	[ 12, 234 ]
501	2352	[ 63, 237 ]
502	2352	[ 63, 64, 236 ]
503	2352	[ 64, 235 ]
504	2382	[ 4 ]
505	2382	[ 4 ]
506	2394	[ 25, 65, 164 ]
507	2394	[ 25, 66, 163 ]
508	2394	[ 26, 66, 165 ]
509	2394	[ 26, 65, 166 ]
510	2400	[ 20, 116 ]
511	2400	[ 21, 117 ]
512	2418	[ 18, 37 ]
513	2418	[ 18, 38 ]
514	2418	[ 19, 37 ]
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, 121, 247 ]
527	2496	[ 39, 120, 246 ]

**Group :**  $C_2 * C_{12}$

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 53.9

Total Magma-Time in s : 270.79

Number	Index	Supergroups
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2	2	[ 1 ]
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4	2	[ 1 ]
5	3	[ 1 ]
6	4	[ 2, 3, 4 ]
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8	4	[ 2 ]
9	6	[ 2, 5 ]
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12	6	[ 4, 5 ]
13	6	[ 4 ]
14	8	[ 6 ]
15	8	[ 6, 7, 8 ]
16	8	[ 6 ]

17	10	[ 4 ]
18	12	[ 5 ]
19	12	[ 6, 9, 11, 12 ]
20	12	[ 6, 10 ]
21	12	[ 6, 13 ]
22	12	[ 7, 9 ]
23	12	[ 8, 9 ]
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43	24	[ 14, 20 ]
44	24	[ 14, 19 ]
45	24	[ 14, 21 ]
46	24	[ 16, 20 ]
47	24	[ 16, 19 ]
48	24	[ 16, 21 ]
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	[ 8 ]
60	36	[ 19, 20, 28 ]
61	36	[ 19, 21, 29 ]
62	36	[ 20, 21 ]
63	36	[ 21, 30 ]
64	38	[ 4 ]
65	40	[ 14, 33 ]
66	40	[ 15, 32 ]
67	40	[ 15, 33 ]
68	40	[ 15, 31 ]
69	40	[ 16, 33 ]
70	42	[ 11 ]
71	42	[ 11 ]
72	42	[ 12 ]
73	42	[ 12, 24 ]
74	42	[ 12 ]
75	42	[ 13, 24 ]
76	44	[ 6, 34 ]
77	46	[ 4 ]
78	48	[ 19, 35, 38, 40 ]
79	48	[ 22, 35 ]
80	48	[ 23, 35 ]
81	48	[ 20, 36 ]
82	48	[ 21, 41 ]
83	48	[ 26, 39, 44, 47 ]
84	48	[ 25, 43 ]
85	48	[ 25, 45 ]
86	48	[ 25, 44 ]
87	48	[ 26, 42, 45, 48 ]
88	48	[ 26, 37, 43, 46 ]
89	48	[ 27, 44 ]
90	48	[ 27, 45 ]
91	48	[ 27, 43 ]
92	48	[ 36 ]

93	48	[ 36 ]
94	48	[ 38 ]
95	48	[ 38 ]
96	48	[ 40 ]
97	48	[ 40 ]
98	50	[ 17 ]
99	52	[ 6, 49 ]
100	52	[ 8 ]
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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	[ 19, 33, 51 ]
114	60	[ 20, 33 ]
115	60	[ 21, 33, 52 ]
116	60	[ 23, 31 ]
117	60	[ 23, 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	[ 14 ]
133	72	[ 15, 59 ]
134	72	[ 16 ]
135	72	[ 28, 38 ]
136	72	[ 29, 40 ]
137	72	[ 37, 39, 60 ]
138	72	[ 39, 42, 61 ]
139	72	[ 28, 36 ]
140	72	[ 43, 44, 60 ]
141	72	[ 46, 47, 60 ]
142	72	[ 29, 41 ]
143	72	[ 44, 45, 61 ]
144	72	[ 47, 48, 61 ]
145	72	[ 30, 41 ]
146	72	[ 42, 63 ]
147	72	[ 45, 63 ]
148	72	[ 48, 63 ]
149	72	[ 37, 42, 62 ]
150	72	[ 43, 45, 62 ]
151	72	[ 46, 48, 62 ]
152	74	[ 4 ]
153	76	[ 6, 64 ]
154	78	[ 11 ]
155	78	[ 11 ]
156	78	[ 12, 49 ]
157	78	[ 12 ]
158	78	[ 12 ]
159	78	[ 13, 49 ]
160	80	[ 25, 65 ]
161	80	[ 26, 68 ]
162	80	[ 26, 65, 67, 69 ]
163	80	[ 26, 66 ]
164	80	[ 27, 65 ]
165	82	[ 4 ]
166	84	[ 19, 71 ]
167	84	[ 19, 50, 73 ]
168	84	[ 19, 74 ]

169	84	[ 19, 72 ]
170	84	[ 19, 70 ]
171	84	[ 20, 50 ]
172	84	[ 21, 50, 75 ]
173	86	[ 4 ]
174	88	[ 14, 76 ]
175	88	[ 15, 76 ]
176	88	[ 16, 76 ]
177	90	[ 29, 51, 52 ]
178	90	[ 30, 52 ]
179	92	[ 6, 77 ]
180	94	[ 4 ]
181	96	[ 44, 78 ]
182	96	[ 39, 78, 79, 80 ]
183	96	[ 47, 78 ]
184	96	[ 54, 83, 86, 89 ]
185	96	[ 35 ]
186	96	[ 36 ]
187	96	[ 37, 81 ]
188	96	[ 43, 81 ]
189	96	[ 46, 81 ]
190	96	[ 54, 84, 88, 91 ]
191	96	[ 38 ]
192	96	[ 40 ]
193	96	[ 42, 82 ]
194	96	[ 45, 82 ]
195	96	[ 48, 82 ]
196	96	[ 54, 85, 87, 90 ]
197	96	[ 53, 84 ]
198	96	[ 53, 85 ]
199	96	[ 53, 86 ]
200	96	[ 55, 85 ]
201	96	[ 55, 84 ]
202	96	[ 55, 86 ]
203	96	[ 56, 83 ]
204	96	[ 56, 88 ]
205	96	[ 56, 87 ]
206	96	[ 57, 83 ]

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219	100	[ 31, 32 ]
220	100	[ 32 ]
221	100	[ 33, 98 ]
222	102	[ 12, 58 ]
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225	104	[ 15, 100 ]
226	104	[ 15, 99 ]
227	104	[ 15, 101 ]
228	104	[ 16, 99 ]
229	106	[ 4 ]
230	108	[ 23, 59 ]
231	108	[ 60, 61, 62 ]
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235	108	[ 59 ]
236	108	[ 59 ]
237	108	[ 60, 102 ]
238	108	[ 61, 106 ]
239	108	[ 61, 104 ]
240	108	[ 61, 103 ]
241	108	[ 62 ]
242	108	[ 63, 107 ]
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244	112	[ 25, 108 ]

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246	112	[ 27, 108 ]
247	114	[ 11 ]
248	114	[ 11 ]
249	114	[ 12 ]
250	114	[ 12, 64 ]
251	114	[ 12 ]
252	114	[ 13, 64 ]
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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	[ 40, 51 ]
263	120	[ 39, 67, 113 ]
264	120	[ 37, 68 ]
265	120	[ 39, 68, 116 ]
266	120	[ 42, 68 ]
267	120	[ 37, 66 ]
268	120	[ 39, 66, 117 ]
269	120	[ 42, 66 ]
270	120	[ 37, 67, 114 ]
271	120	[ 41, 52 ]
272	120	[ 42, 67, 115 ]
273	120	[ 43, 65, 114 ]
274	120	[ 44, 65, 113 ]
275	120	[ 45, 65, 115 ]
276	120	[ 46, 69, 114 ]
277	120	[ 47, 69, 113 ]
278	120	[ 48, 69, 115 ]
279	120	[ 2, 112 ]
280	120	[ 3, 112 ]
281	120	[ 4, 112 ]
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285	126	[ 28, 71 ]
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287	126	[ 29, 72 ]
288	126	[ 29, 73, 75 ]
289	126	[ 30, 75 ]
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291	128	[ 119 ]
292	128	[ 119, 120, 121 ]
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299	128	[ 125 ]
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304	132	[ 21, 76, 127 ]
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309	136	[ 15, 129 ]
310	136	[ 16, 128 ]
311	138	[ 12, 77 ]
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317	144	[ 25, 132 ]
318	144	[ 26, 133 ]
319	144	[ 26, 134 ]
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325	144	[ 83, 88, 137, 140, 141 ]
326	144	[ 89, 91, 140 ]
327	144	[ 85, 86, 143 ]
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330	144	[ 85, 147 ]
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334	144	[ 62, 81 ]
335	144	[ 61, 82, 142 ]
336	144	[ 62, 82 ]
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340	144	[ 63, 82, 145 ]
341	144	[ 92, 139 ]
342	144	[ 93, 139 ]
343	144	[ 94, 135 ]
344	144	[ 95, 135 ]
345	144	[ 96, 136 ]
346	144	[ 97, 136 ]
347	146	[ 4 ]
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349	148	[ 8 ]
350	148	[ 8 ]
351	150	[ 10 ]
352	150	[ 11 ]
353	150	[ 12 ]
354	150	[ 51, 98 ]
355	150	[ 52, 98 ]

**Group :**  $C_2 * C_4$

Searching up to index : 500



How many normal groups are found : 688

Total Time in s : 231.0

Total Magma-Time in s : 470.73

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3	2	[ 1 ]
4	2	[ 1 ]
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7	4	[ 2 ]
8	6	[ 4 ]
9	8	[ 5 ]
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13	12	[ 5, 8 ]
14	14	[ 4 ]
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20	20	[ 7 ]
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25	24	[ 9, 13 ]
26	24	[ 11, 13 ]
27	26	[ 4 ]
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31	32	[ 16 ]
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44	42	[ 8, 14 ]
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51	50	[ 12 ]
52	52	[ 5, 27 ]
53	52	[ 7 ]
54	52	[ 7 ]
55	54	[ 18 ]
56	56	[ 9, 28 ]
57	56	[ 10, 28 ]
58	56	[ 11, 28 ]
59	58	[ 4 ]
60	60	[ 13, 21, 29 ]
61	62	[ 4 ]
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63	64	[ 30 ]
64	64	[ 30, 31, 33 ]
65	64	[ 32 ]
66	64	[ 32, 33, 34 ]
67	64	[ 32 ]
68	64	[ 33 ]
69	66	[ 8, 22 ]
70	68	[ 5, 35 ]
71	68	[ 7 ]

72	68	[ 7 ]
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74	72	[ 11 ]
75	72	[ 10, 36 ]
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77	72	[ 24, 37 ]
78	72	[ 25, 37 ]
79	72	[ 26, 37 ]
80	74	[ 4 ]
81	76	[ 5, 38 ]
82	78	[ 8, 27 ]
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84	80	[ 16, 40 ]
85	80	[ 16, 39, 41, 43 ]
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87	80	[ 17, 39 ]
88	82	[ 4 ]
89	84	[ 13, 28, 44 ]
90	86	[ 4 ]
91	88	[ 9, 45 ]
92	88	[ 10, 45 ]
93	88	[ 11, 45 ]
94	90	[ 18, 29 ]
95	92	[ 5, 46 ]
96	94	[ 4 ]
97	96	[ 24, 47 ]
98	96	[ 25, 47 ]
99	96	[ 26, 47 ]
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103	96	[ 32, 48 ]
104	96	[ 34, 48 ]
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107	100	[ 19 ]
108	100	[ 20 ]
109	100	[ 21, 51 ]

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115	104	[ 11, 52 ]
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122	112	[ 17, 56 ]
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126	116	[ 7 ]
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129	120	[ 2 ]
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131	120	[ 24, 40 ]
132	120	[ 23, 29 ]
133	120	[ 24, 41, 60 ]
134	120	[ 25, 39, 60 ]
135	120	[ 26, 43, 60 ]
136	122	[ 4 ]
137	124	[ 5, 61 ]
138	126	[ 18, 44 ]
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175	152	[ 10, 81 ]
176	152	[ 11, 81 ]
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184	160	[ 30, 86 ]
185	160	[ 30, 84 ]

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189	160	[ 32, 83 ]
190	160	[ 33, 83, 85, 87 ]
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195	164	[ 7 ]
196	166	[ 4 ]
197	168	[ 1 ]
198	168	[ 23, 44 ]
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204	174	[ 8, 59 ]
205	176	[ 15, 91 ]
206	176	[ 16, 91, 92, 93 ]
207	176	[ 17, 91 ]
208	178	[ 4 ]
209	180	[ 19, 36 ]
210	180	[ 20, 36 ]
211	180	[ 37, 60, 94 ]
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214	184	[ 10, 95 ]
215	184	[ 11, 95 ]
216	186	[ 8, 61 ]
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226	192	[ 63, 101 ]
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228	192	[ 67, 103 ]
229	192	[ 68, 100 ]
230	192	[ 97 ]
231	192	[ 97 ]
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233	192	[ 99 ]
234	194	[ 4 ]
235	196	[ 7 ]
236	196	[ 28, 105 ]
237	198	[ 18, 69 ]
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239	200	[ 41, 42 ]
240	200	[ 40, 41 ]
241	200	[ 39, 109 ]
242	200	[ 40, 42, 106 ]
243	200	[ 40, 108 ]
244	200	[ 41, 109 ]
245	200	[ 42, 107 ]
246	200	[ 43, 109 ]
247	202	[ 4 ]
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251	208	[ 16, 114 ]
252	208	[ 16, 112 ]
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254	208	[ 17, 111 ]
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258	212	[ 7 ]
259	214	[ 4 ]
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267	216	[ 75, 117 ]
268	218	[ 4 ]
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272	224	[ 31, 121 ]
273	224	[ 32, 120 ]
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275	224	[ 34, 120 ]
276	226	[ 4 ]
277	228	[ 13, 81, 123 ]
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280	232	[ 10, 125 ]
281	232	[ 10, 126 ]
282	232	[ 10, 124 ]
283	232	[ 11, 124 ]
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285	236	[ 5, 127 ]
286	238	[ 14, 35 ]
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289	240	[ 49, 84, 131 ]
290	240	[ 48, 83, 134 ]
291	240	[ 49, 85, 133, 134, 135 ]
292	240	[ 50, 87, 134 ]
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 ]



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304	248	[ 11, 137 ]
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431	328	[ 11, 193 ]
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545	400	[ 86, 245 ]
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587	432	[ 166, 263, 264, 265 ]
588	432	[ 167, 264 ]
589	432	[ 118, 168, 262 ]
590	432	[ 161, 267 ]
591	432	[ 162, 266 ]
592	432	[ 163 ]
593	432	[ 164 ]
594	434	[ 14, 61 ]
595	436	[ 5, 268 ]
596	436	[ 7 ]
597	436	[ 7 ]
598	438	[ 8, 169 ]
599	440	[ 42, 92 ]
600	440	[ 40, 92 ]
601	440	[ 39, 91, 269 ]
602	440	[ 41, 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, 279, 282, 283 ]
628	464	[ 16, 281 ]
629	464	[ 16, 280 ]
630	464	[ 17, 279 ]
631	466	[ 4 ]
632	468	[ 36, 53 ]
633	468	[ 36, 54 ]
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, 183, 291 ]
646	480	[ 102, 188, 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, 185, 289 ]
656	480	[ 101, 184, 288 ]
657	480	[ 102, 187, 289 ]
658	480	[ 102, 186, 288 ]
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, 299 ]
674	488	[ 10, 298 ]
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, 108 ]
684	500	[ 106, 107 ]
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 : 539.9

Total Magma-Time in s : 266.68

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, 20, 21 ]
35	320	[ 18 ]
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, 12 ]
46	550	[ 6, 10 ]
47	550	[ 6, 13 ]
48	550	[ 6, 11 ]
49	600	[ 4, 16 ]
50	600	[ 5, 16, 27 ]
51	600	[ 4, 17 ]
52	600	[ 5, 17, 28 ]
53	600	[ 4, 14 ]
54	600	[ 5, 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, 53 ]

96	1200	[ 22, 54 ]
97	1200	[ 23, 56 ]
98	1200	[ 23, 55 ]
99	1200	[ 24, 49 ]
100	1200	[ 24, 50 ]
101	1200	[ 25, 51 ]
102	1200	[ 25, 52 ]
103	1210	[ 4 ]
104	1210	[ 4 ]
105	1210	[ 10, 11 ]
106	1210	[ 10, 13 ]
107	1210	[ 10, 12 ]
108	1210	[ 10 ]
109	1210	[ 11 ]
110	1210	[ 11, 12 ]
111	1210	[ 11, 13 ]
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, 30 ]
147	1550	[ 6, 31 ]
148	1550	[ 6, 32 ]
149	1550	[ 6, 29 ]
150	1600	[ 34, 79 ]
151	1600	[ 33, 79 ]
152	1600	[ 35, 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 : 363.8

Total Magma-Time in s : 917.5

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, 16 ]
30	24	[ 12, 17 ]
31	24	[ 12, 14 ]
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, 31 ]
58	48	[ 19, 30 ]
59	48	[ 25 ]
60	48	[ 25 ]
61	50	[ 13 ]
62	52	[ 6, 32 ]
63	54	[ 20 ]
64	54	[ 21 ]
65	54	[ 21 ]
66	54	[ 21 ]
67	54	[ 21, 22 ]
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	[ 29, 30, 40 ]
86	72	[ 30, 31, 39 ]
87	72	[ 31, 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 ]
95	78	[ 10, 32 ]
96	78	[ 10 ]
97	80	[ 19, 43 ]
98	82	[ 4 ]
99	84	[ 14, 33, 48 ]
100	84	[ 16, 33 ]
101	84	[ 17, 44 ]
102	84	[ 17, 33, 49 ]
103	84	[ 17, 46 ]
104	84	[ 17, 45 ]
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	[ 30, 55 ]
114	96	[ 25 ]
115	96	[ 26 ]
116	96	[ 27 ]
117	96	[ 29, 52 ]
118	96	[ 36, 56 ]
119	96	[ 36, 57 ]
120	96	[ 36, 58 ]
121	96	[ 52 ]
122	96	[ 52, 53, 54 ]
123	96	[ 55, 59, 60 ]
124	96	[ 55 ]
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, 67 ]
133	108	[ 38, 41 ]
134	108	[ 38 ]
135	108	[ 39, 64 ]
136	108	[ 39, 66 ]
137	108	[ 39, 65 ]
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, 73 ]
155	120	[ 30, 43, 72 ]
156	120	[ 31, 43, 74 ]
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, 47 ]
166	126	[ 21, 48, 49 ]
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	[ 56, 58, 85 ]
183	144	[ 57, 58, 86 ]
184	144	[ 57, 87 ]
185	144	[ 40, 52, 84 ]

186	144	[ 38, 52 ]
187	144	[ 56, 57, 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, 92 ]
204	156	[ 17, 93 ]
205	156	[ 17, 62, 95 ]
206	156	[ 17, 94 ]
207	156	[ 17, 96 ]
208	158	[ 4 ]
209	160	[ 36, 97 ]
210	162	[ 63 ]
211	162	[ 63 ]
212	162	[ 64 ]
213	162	[ 64, 65, 66, 67 ]
214	162	[ 64 ]
215	162	[ 64 ]
216	162	[ 64 ]
217	162	[ 67, 68 ]
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, 47 ]
228	168	[ 26, 44 ]
229	168	[ 29, 69, 100 ]
230	168	[ 30, 101 ]
231	168	[ 30, 105 ]
232	168	[ 30, 69, 102 ]
233	168	[ 30, 104 ]
234	168	[ 30, 103 ]
235	168	[ 31, 69, 99 ]
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 ]
253	186	[ 10, 75 ]
254	186	[ 10 ]
255	188	[ 6, 111 ]
256	190	[ 13, 42 ]
257	192	[ 52 ]
258	192	[ 112 ]
259	192	[ 112 ]
260	192	[ 58, 113 ]
261	192	[ 56, 117 ]

262	192	[ 52 ]
263	192	[ 52, 116 ]
264	192	[ 53, 116 ]
265	192	[ 117, 121, 122 ]
266	192	[ 54, 116 ]
267	192	[ 55, 112 ]
268	192	[ 55, 114 ]
269	192	[ 55 ]
270	192	[ 55, 115 ]
271	192	[ 55 ]
272	192	[ 59, 114 ]
273	192	[ 113, 123, 124 ]
274	192	[ 60, 114 ]
275	192	[ 76, 118 ]
276	192	[ 76, 119 ]
277	192	[ 76, 120 ]
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	[ 67, 82 ]
298	216	[ 29, 81 ]
299	216	[ 85, 86, 88, 131 ]



300	216	[ 87, 88, 133 ]
301	216	[ 30, 81 ]
302	216	[ 86, 87, 132 ]
303	216	[ 31, 81 ]
304	216	[ 63, 84 ]
305	216	[ 63, 83 ]
306	216	[ 85, 138 ]
307	216	[ 64, 82 ]
308	216	[ 86, 135 ]
309	216	[ 65, 82 ]
310	216	[ 86, 137 ]
311	216	[ 66, 82 ]
312	216	[ 86, 136 ]
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, 144 ]
331	228	[ 17, 143 ]
332	228	[ 17, 147 ]
333	228	[ 17, 146 ]
334	228	[ 17, 90, 145 ]
335	230	[ 13, 51 ]
336	232	[ 12, 148 ]
337	234	[ 20, 92 ]

338	234	[ 20, 93 ]
339	234	[ 21, 91, 95 ]
340	234	[ 21, 96 ]
341	234	[ 21, 94 ]
342	234	[ 22, 91 ]
343	236	[ 6, 149 ]
344	238	[ 18, 37 ]
345	240	[ 55, 72, 153 ]
346	240	[ 52, 73 ]
347	240	[ 57, 97, 156 ]
348	240	[ 58, 97, 155 ]
349	240	[ 56, 97, 154 ]
350	240	[ 6, 157, 158, 159 ]
351	240	[ 150 ]
352	240	[ 6, 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, 166 ]
366	252	[ 41, 99, 167 ]
367	252	[ 38, 99, 100 ]
368	252	[ 39, 104 ]
369	252	[ 39, 103 ]
370	252	[ 39, 101, 164 ]
371	252	[ 39, 105, 165 ]
372	252	[ 40, 101 ]
373	252	[ 40, 104, 162 ]
374	252	[ 40, 105 ]
375	252	[ 40, 103, 163 ]

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, 171 ]
388	264	[ 30, 107, 172 ]
389	264	[ 31, 107, 170 ]
390	266	[ 18, 42 ]
391	268	[ 6, 173 ]
392	270	[ 67, 108, 109 ]
393	270	[ 64, 108 ]
394	270	[ 65, 108 ]
395	270	[ 66, 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	[ 85, 113, 180 ]
412	288	[ 85, 117, 185 ]
413	288	[ 86, 113, 179 ]

414	288	[ 88, 117, 186 ]
415	288	[ 36, 181 ]
416	288	[ 118, 120, 182 ]
417	288	[ 119, 120, 183 ]
418	288	[ 119, 184 ]
419	288	[ 118, 119, 187 ]
420	288	[ 122, 185, 188, 189 ]
421	288	[ 122, 186 ]
422	288	[ 123, 179 ]
423	288	[ 123, 180, 190, 191 ]
424	288	[ 82, 115 ]
425	288	[ 83, 114 ]
426	288	[ 84, 116 ]
427	288	[ 121, 185 ]
428	288	[ 121, 186 ]
429	288	[ 124, 180 ]
430	288	[ 124, 179 ]
431	290	[ 13, 70 ]
432	292	[ 6, 192 ]
433	294	[ 11 ]
434	294	[ 44 ]
435	294	[ 44, 49 ]
436	294	[ 44, 47 ]
437	294	[ 45 ]
438	294	[ 45, 46 ]
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, 96 ]
462	312	[ 26, 94 ]
463	312	[ 26, 95 ]
464	312	[ 29, 129, 202 ]
465	312	[ 30, 203 ]
466	312	[ 30, 129, 205 ]
467	312	[ 30, 206 ]
468	312	[ 30, 204 ]
469	312	[ 30, 207 ]
470	312	[ 31, 129, 201 ]
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, 213 ]
482	324	[ 131, 137 ]
483	324	[ 131, 136 ]
484	324	[ 132, 139, 217 ]
485	324	[ 133, 139 ]
486	324	[ 131, 134 ]
487	324	[ 132, 219 ]
488	324	[ 132, 218 ]
489	324	[ 133, 134 ]

490	324	[ 134 ]
491	324	[ 134 ]
492	324	[ 134 ]
493	324	[ 134 ]
494	324	[ 135, 215 ]
495	324	[ 135, 212 ]
496	324	[ 135, 214 ]
497	324	[ 135, 216 ]
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	[ 58, 230 ]
517	336	[ 55, 101, 228 ]
518	336	[ 58, 233 ]
519	336	[ 55, 104, 225 ]
520	336	[ 58, 234 ]
521	336	[ 55, 103, 226 ]
522	336	[ 58, 231 ]
523	336	[ 55, 105, 227 ]
524	336	[ 57, 141, 235 ]
525	336	[ 58, 141, 232 ]
526	336	[ 56, 141, 229 ]
527	336	[ 59, 225 ]

528	336	[ 59, 226 ]
529	336	[ 60, 226 ]
530	336	[ 60, 225 ]
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, 142, 145 ]
539	342	[ 21, 147 ]
540	342	[ 21, 146 ]
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	[ 88, 154, 156, 245 ]
555	360	[ 86, 155, 156, 243 ]
556	360	[ 85, 154, 155, 242 ]
557	360	[ 43, 81 ]
558	360	[ 87, 156, 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, 254 ]
581	372	[ 17, 251 ]
582	372	[ 17, 250 ]
583	372	[ 17, 252 ]
584	372	[ 17, 161, 253 ]
585	374	[ 24, 37 ]
586	376	[ 12, 255 ]
587	378	[ 67, 164 ]
588	378	[ 67, 165 ]
589	378	[ 67, 166, 167 ]
590	378	[ 63, 163 ]
591	378	[ 63, 162 ]
592	378	[ 64, 165 ]
593	378	[ 64, 166 ]
594	378	[ 64, 164 ]
595	378	[ 65, 164 ]
596	378	[ 65, 165 ]
597	378	[ 65, 166 ]
598	378	[ 66, 166 ]
599	378	[ 66, 164 ]
600	378	[ 66, 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	[ 118, 261 ]
608	384	[ 261, 265, 279 ]
609	384	[ 260, 273, 278 ]
610	384	[ 112 ]
611	384	[ 113, 267 ]
612	384	[ 123, 267 ]
613	384	[ 113, 268 ]
614	384	[ 113, 270 ]
615	384	[ 113, 271 ]
616	384	[ 113, 269 ]
617	384	[ 114 ]
618	384	[ 115 ]
619	384	[ 123, 270 ]
620	384	[ 116 ]
621	384	[ 117, 263 ]
622	384	[ 117 ]
623	384	[ 117, 262 ]
624	384	[ 117 ]
625	384	[ 117 ]
626	384	[ 117, 257 ]
627	384	[ 117 ]
628	384	[ 121, 257 ]
629	384	[ 121, 263 ]
630	384	[ 121, 262 ]
631	384	[ 122, 257 ]
632	384	[ 122, 263, 264, 266 ]
633	384	[ 122, 262 ]
634	384	[ 123, 269 ]
635	384	[ 123, 268, 272, 274 ]
636	384	[ 123, 271 ]
637	384	[ 124, 267 ]
638	384	[ 124, 268 ]
639	384	[ 124, 270 ]
640	384	[ 124, 271 ]
641	384	[ 124, 269 ]

642	384	[ 168, 275 ]
643	384	[ 168, 276 ]
644	384	[ 168, 277 ]
645	384	[ 257 ]
646	384	[ 257 ]
647	384	[ 258 ]
648	384	[ 258 ]
649	384	[ 258, 259, 267 ]
650	384	[ 259 ]
651	384	[ 259 ]
652	384	[ 260 ]
653	384	[ 261 ]
654	384	[ 264 ]
655	384	[ 264 ]
656	384	[ 267 ]
657	384	[ 267 ]
658	384	[ 267 ]
659	384	[ 274 ]
660	384	[ 274 ]
661	386	[ 4 ]
662	388	[ 6, 280 ]
663	390	[ 34, 91, 169 ]
664	390	[ 35, 96 ]
665	390	[ 35, 94 ]
666	390	[ 35, 95, 169 ]
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, 173 ]
679	402	[ 10 ]

680	402	[ 10 ]
681	404	[ 6, 285 ]
682	406	[ 18, 70 ]
683	408	[ 26, 128 ]
684	408	[ 29, 174, 287 ]
685	408	[ 30, 174, 288 ]
686	408	[ 31, 174, 286 ]
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, 101, 294 ]
696	420	[ 72, 104 ]
697	420	[ 72, 103 ]
698	420	[ 72, 105, 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	[ 184, 187, 300 ]
717	432	[ 57, 181, 303 ]

718	432	[ 58, 181, 301 ]
719	432	[ 183, 184, 302 ]
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	[ 137, 179, 309 ]
731	432	[ 183, 312 ]
732	432	[ 136, 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, 325 ]
752	444	[ 17, 321 ]
753	444	[ 17, 324 ]
754	444	[ 17, 193, 323 ]
755	444	[ 17, 322 ]

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, 147 ]
768	456	[ 26, 145 ]
769	456	[ 26, 146 ]
770	456	[ 29, 199, 329 ]
771	456	[ 30, 333 ]
772	456	[ 30, 331 ]
773	456	[ 30, 330 ]
774	456	[ 30, 199, 334 ]
775	456	[ 30, 332 ]
776	456	[ 31, 199, 328 ]
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, 205 ]
786	468	[ 38, 201, 202 ]
787	468	[ 39, 203 ]
788	468	[ 39, 207, 340 ]
789	468	[ 39, 206, 341 ]
790	468	[ 39, 204 ]
791	468	[ 39, 201, 205, 339 ]
792	468	[ 40, 206 ]
793	468	[ 40, 204, 338 ]

794	468	[ 40, 203, 337 ]
795	468	[ 40, 207 ]
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, 208 ]
803	474	[ 10 ]
804	474	[ 10 ]
805	476	[ 33, 79, 344 ]
806	478	[ 4 ]
807	480	[ 35 ]
808	480	[ 35 ]
809	480	[ 119, 209, 347 ]
810	480	[ 120, 209, 348 ]
811	480	[ 113, 155, 345 ]
812	480	[ 117, 154, 346 ]
813	480	[ 122, 346 ]
814	480	[ 123, 345 ]
815	480	[ 12, 350 ]
816	480	[ 118, 209, 349 ]
817	480	[ 115, 153 ]
818	480	[ 121, 346 ]
819	480	[ 124, 345 ]
820	480	[ 12, 352 ]
821	480	[ 12, 354 ]
822	480	[ 12, 355 ]
823	480	[ 350 ]
824	480	[ 350, 356, 357 ]
825	480	[ 351, 352, 353 ]
826	480	[ 352 ]
827	480	[ 354 ]
828	480	[ 354 ]
829	480	[ 355 ]
830	480	[ 355 ]
831	482	[ 4 ]

832	484	[ 50, 358 ]
833	486	[ 213, 217, 218, 219 ]
834	486	[ 210 ]
835	486	[ 210, 211 ]
836	486	[ 211 ]
837	486	[ 211 ]
838	486	[ 211 ]
839	486	[ 212, 213, 214, 215 ]
840	486	[ 212, 216 ]
841	486	[ 213 ]
842	486	[ 213 ]
843	486	[ 213, 216 ]
844	486	[ 214, 216 ]
845	486	[ 215, 216 ]
846	486	[ 215 ]
847	486	[ 215 ]
848	486	[ 215 ]
849	486	[ 217, 220 ]
850	486	[ 217 ]
851	486	[ 217 ]
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 : 19.4

Total Magma-Time in s : 46.2

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, 7 ]
10	112	[ 5, 6 ]
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, 10 ]
47	784	[ 8, 9 ]
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 : 1119.2

Total Magma-Time in s : 2765.47

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, 27 ]
52	40	[ 11, 26 ]
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, 51 ]
112	80	[ 17, 49 ]
113	80	[ 18, 49, 51, 53 ]
114	80	[ 18, 50 ]
115	80	[ 18, 52 ]
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, 50 ]
123	80	[ 23, 52 ]
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, 26 ]
152	100	[ 25 ]
153	100	[ 26 ]
154	100	[ 27, 67 ]

155	102	[ 8, 45 ]
156	104	[ 10, 68 ]
157	104	[ 11, 69 ]
158	104	[ 11, 70 ]
159	104	[ 11, 68 ]
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, 52 ]
181	120	[ 29, 35 ]
182	120	[ 30, 51, 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, 79, 86 ]

193	128	[ 78, 80, 84 ]
194	128	[ 78 ]
195	128	[ 78 ]
196	128	[ 78 ]
197	128	[ 78 ]
198	128	[ 79 ]
199	128	[ 79 ]
200	128	[ 79, 84, 87 ]
201	128	[ 79 ]
202	128	[ 79 ]
203	128	[ 79, 80, 85 ]
204	128	[ 80 ]
205	128	[ 80 ]
206	128	[ 80, 86, 87 ]
207	128	[ 80 ]
208	128	[ 80 ]
209	128	[ 81, 82, 83, 84, 85, 86, 88 ]
210	128	[ 81, 92, 93 ]
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, 98 ]
229	136	[ 11, 97 ]
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 ]
243	144	[ 20 ]
244	144	[ 20, 100 ]
245	144	[ 21, 101 ]
246	144	[ 22, 100 ]
247	144	[ 23, 102 ]
248	144	[ 23, 101 ]
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 ]



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271	160	[ 14 ]
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273	160	[ 44, 114 ]
274	160	[ 42, 115 ]
275	160	[ 44, 115 ]
276	160	[ 36, 114 ]
277	160	[ 36, 115 ]
278	160	[ 36, 113 ]
279	160	[ 37, 114 ]
280	160	[ 37, 113 ]
281	160	[ 37, 115 ]
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283	160	[ 38, 113 ]
284	160	[ 38, 114 ]
285	160	[ 39, 115 ]
286	160	[ 39, 114 ]
287	160	[ 39, 113 ]
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289	160	[ 40, 115, 120, 123 ]
290	160	[ 40, 114, 119, 122 ]
291	160	[ 41, 112 ]
292	160	[ 42, 112, 113, 116 ]
293	160	[ 43, 112 ]
294	160	[ 44, 113, 117, 121 ]
295	162	[ 71 ]
296	164	[ 5, 124 ]
297	164	[ 7 ]
298	164	[ 7 ]
299	166	[ 4 ]
300	168	[ 1 ]
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304	168	[ 32, 74, 125 ]
305	170	[ 14, 45 ]
306	172	[ 5, 126 ]

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314	176	[ 23, 128 ]
315	178	[ 4 ]
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320	184	[ 10, 131 ]
321	184	[ 11, 131 ]
322	184	[ 12, 131 ]
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331	192	[ 64, 136 ]
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341	192	[ 59, 133 ]
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349	192	[ 79, 140 ]
350	192	[ 80, 140 ]
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366	192	[ 136 ]
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393	208	[ 21, 158 ]
394	208	[ 22, 160 ]
395	208	[ 23, 157 ]
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397	208	[ 23, 159 ]
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968	416	[ 36, 387 ]
969	416	[ 36, 386 ]
970	416	[ 36, 388 ]
971	416	[ 37, 386 ]
972	416	[ 37, 387 ]
973	416	[ 37, 388 ]
974	416	[ 38, 388 ]
975	416	[ 38, 386 ]
976	416	[ 38, 387 ]
977	416	[ 39, 386 ]
978	416	[ 39, 388 ]
979	416	[ 39, 387 ]
980	416	[ 40, 388, 392, 395 ]
981	416	[ 40, 386, 391, 397 ]
982	416	[ 40, 387, 393, 396 ]
983	416	[ 41, 385 ]
984	416	[ 42, 385, 386, 389 ]
985	416	[ 42, 388 ]
986	416	[ 42, 387 ]
987	416	[ 43, 385 ]
988	416	[ 44, 386, 390, 394 ]
989	416	[ 44, 388 ]
990	416	[ 44, 387 ]

991	418	[ 28, 48 ]
992	420	[ 76, 125, 236, 398 ]
993	422	[ 4 ]
994	424	[ 10, 399 ]
995	424	[ 11, 400 ]
996	424	[ 11, 399 ]
997	424	[ 11, 401 ]
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, 248, 403 ]
1008	432	[ 60, 249 ]
1009	432	[ 60, 247 ]
1010	432	[ 62, 239, 404 ]
1011	432	[ 63, 241 ]
1012	432	[ 63, 240 ]
1013	432	[ 64, 243 ]
1014	432	[ 64, 242 ]
1015	432	[ 64, 244, 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	[ 248, 410 ]

1029	432	[ 238, 410 ]
1030	432	[ 245, 410 ]
1031	432	[ 239, 409 ]
1032	432	[ 240 ]
1033	432	[ 241 ]
1034	432	[ 242 ]
1035	432	[ 242 ]
1036	432	[ 242 ]
1037	432	[ 243 ]
1038	432	[ 243 ]
1039	432	[ 243 ]
1040	432	[ 244, 409 ]
1041	432	[ 246, 409 ]
1042	432	[ 247, 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	[ 52, 128 ]
1051	440	[ 49, 127, 414 ]
1052	440	[ 51, 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, 429 ]
1088	464	[ 18, 431 ]
1089	464	[ 18, 428, 430, 432 ]
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, 70 ]
1101	468	[ 46, 69 ]
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, 278, 441 ]
1114	480	[ 141, 280, 441 ]
1115	480	[ 142, 283, 441 ]
1116	480	[ 143, 287, 441 ]
1117	480	[ 139, 288, 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, 290, 437, 448, 451 ]
1131	480	[ 139, 289, 438, 449, 450 ]
1132	480	[ 133, 181 ]
1133	480	[ 140, 277, 438 ]
1134	480	[ 140, 276, 437 ]
1135	480	[ 141, 281, 438 ]
1136	480	[ 141, 279, 437 ]
1137	480	[ 142, 282, 438 ]
1138	480	[ 142, 284, 437 ]
1139	480	[ 143, 286, 437 ]
1140	480	[ 143, 285, 438 ]
1141	480	[ 146, 436 ]
1142	480	[ 147, 436 ]

1143	480	[ 148, 436 ]
1144	480	[ 11, 452 ]
1145	480	[ 10, 452 ]
1146	480	[ 12, 452 ]
1147	480	[ 9, 455 ]
1148	480	[ 10, 456 ]
1149	480	[ 11, 455, 456, 457 ]
1150	480	[ 12, 456 ]
1151	480	[ 13, 455 ]
1152	480	[ 452 ]
1153	480	[ 452 ]
1154	480	[ 452, 453, 454 ]
1155	480	[ 452 ]
1156	480	[ 456 ]
1157	480	[ 456 ]
1158	480	[ 456 ]
1159	480	[ 456 ]
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, 459 ]
1168	488	[ 11, 460 ]
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, 153 ]
1184	500	[ 151 ]
1185	500	[ 152 ]
1186	500	[ 153 ]
1187	500	[ 154, 466 ]

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

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 120.7

Total Magma-Time in s : 243.42

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, 10 ]
19	20	[ 5, 9 ]
20	20	[ 5, 11, 12, 13 ]
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, 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	[ 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, 18 ]
48	60	[ 14, 20, 25 ]
49	60	[ 14, 19, 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, 31 ]
62	80	[ 16, 32 ]
63	80	[ 16, 33 ]
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 ]
75	100	[ 19, 20, 38 ]
76	100	[ 18, 20, 40 ]
77	100	[ 19, 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 ]
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, 47 ]
99	120	[ 22, 33, 48 ]
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	[ 18, 24 ]
118	140	[ 20, 24, 55 ]
119	140	[ 19, 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, 61 ]

136	160	[ 27, 62 ]
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, 74 ]
167	200	[ 31, 33, 76 ]
168	200	[ 32, 33, 75 ]
169	200	[ 32, 77 ]
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 ]
181	220	[ 19, 35, 82 ]
182	220	[ 20, 84 ]
183	220	[ 20, 83 ]
184	220	[ 20, 87 ]
185	220	[ 20, 90 ]
186	220	[ 20, 88 ]
187	220	[ 20, 35, 91 ]
188	220	[ 20, 86 ]
189	220	[ 20, 85 ]
190	220	[ 20, 89 ]
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, 99 ]
202	240	[ 37, 62, 100 ]
203	240	[ 37, 61, 98 ]
204	240	[ 5, 101, 102, 103 ]
205	240	[ 5, 104, 105, 106 ]
206	240	[ 5, 96 ]
207	240	[ 96 ]
208	240	[ 96 ]
209	240	[ 5, 97 ]
210	240	[ 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 ]
222	250	[ 38, 39 ]
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 ]
233	260	[ 19, 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, 69 ]
240	270	[ 42, 68 ]
241	272	[ 16, 115 ]
242	274	[ 4 ]
243	276	[ 14, 70, 116 ]
244	278	[ 4 ]
245	280	[ 31, 43, 117 ]
246	280	[ 32, 43, 119 ]
247	280	[ 33, 43, 118 ]
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, 50 ]
277	310	[ 13 ]
278	310	[ 13 ]
279	310	[ 13 ]
280	312	[ 22, 79, 129 ]
281	314	[ 4 ]
282	316	[ 5, 130 ]
283	318	[ 7, 80 ]
284	320	[ 18, 131 ]
285	320	[ 20, 132, 133, 134 ]
286	320	[ 51, 135 ]
287	320	[ 51, 137 ]



288	320	[ 51, 136 ]
289	320	[ 131 ]
290	320	[ 131 ]
291	320	[ 131 ]
292	320	[ 131 ]
293	320	[ 131 ]
294	320	[ 131 ]
295	320	[ 132, 140, 141 ]
296	320	[ 132, 138, 139 ]
297	320	[ 133, 138, 141 ]
298	320	[ 133, 139, 140 ]
299	320	[ 133 ]
300	320	[ 133 ]
301	320	[ 133 ]
302	320	[ 133 ]
303	320	[ 134, 138, 140 ]
304	320	[ 134, 139, 141 ]
305	322	[ 15, 36 ]
306	324	[ 81, 142 ]
307	326	[ 4 ]
308	328	[ 8, 143 ]
309	330	[ 25, 87 ]
310	330	[ 25, 88 ]
311	330	[ 25, 52, 91 ]
312	330	[ 25, 90 ]
313	330	[ 25, 89 ]
314	330	[ 26, 52, 82 ]
315	332	[ 5, 144 ]
316	334	[ 4 ]
317	336	[ 37, 92, 145 ]
318	338	[ 23 ]
319	340	[ 18, 53 ]
320	340	[ 19, 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	[ 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, 152 ]
335	360	[ 56, 100, 154 ]
336	360	[ 56, 99, 153 ]
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 ]
350	380	[ 19, 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	[ 16, 165 ]
363	400	[ 62, 63, 168 ]

364	400	[ 62, 169 ]
365	400	[ 61, 63, 167 ]
366	400	[ 61, 62, 166 ]
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 ]
378	410	[ 13, 64 ]
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, 67, 180 ]
399	440	[ 32, 67, 181 ]
400	440	[ 33, 182 ]
401	440	[ 33, 186 ]

402	440	[ 33, 184 ]
403	440	[ 33, 188 ]
404	440	[ 33, 183 ]
405	440	[ 33, 190 ]
406	440	[ 33, 67, 187 ]
407	440	[ 33, 189 ]
408	440	[ 33, 185 ]
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 ]
421	460	[ 19, 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	[ 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, 136, 202 ]
436	480	[ 8, 204 ]
437	480	[ 8, 205 ]
438	480	[ 72, 135, 203 ]
439	480	[ 8, 206 ]

440	480	[ 8, 209 ]
441	480	[ 204 ]
442	480	[ 204, 212, 213 ]
443	480	[ 205 ]
444	480	[ 205, 214, 215 ]
445	480	[ 206 ]
446	480	[ 206, 207, 208 ]
447	480	[ 209 ]
448	480	[ 209, 210, 211 ]
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, 77 ]
460	500	[ 74, 75, 76 ]
461	500	[ 74 ]
462	500	[ 75, 223 ]
463	500	[ 75, 77, 222 ]
464	500	[ 75, 221 ]
465	500	[ 75, 220 ]
466	500	[ 75, 225 ]
467	500	[ 75, 224 ]
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 : 10.3

Total Magma-Time in s : 58.27

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 ]