```
 1 "C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
   Community Edition 2022.3.2\lib\idea_rt.jar=57916:C:\Program Files\JetBrains\IntelliJ IDEA Community
   Edition 2022.3.2\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0_261\jre\lib\
   charsets.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0_261\
   jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\cldrdata.jar;C:\Program
    Files\Java\jdk1.8.0_261\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\jaccess.
   jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib
   \ext\localedata.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\nashorn.jar;C:\Program Files\Java\
   jdk1.8.0_261\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\sunjce_provider.jar;C
   :\Program Files\Java\jdk1.8.0_261\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\
   ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8
   .0_261\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\jce.jar;C:\Program Files\Java\jdk1
   .8.0_261\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\jfxswt.jar;C:\Program Files\Java\
   jdk1.8.0_261\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\management-agent.jar;C:\
   Program Files\Java\jdk1.8.0_261\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\resources
   .jar;C:\Program Files\Java\jdk1.8.0_261\jre\lib\rt.jar;C:\Workspace\Numberlink-Recursive\out\production
   \Numberlink-Recursive" Main
 2 6x6 120.in
 3 rows: 6 cols: 6 maxNum: 4
 4 Computation time : 312 ms
 5 true
 6 Time: 312 ms
 7 ----------------------------
 8 6x6 121.in
 9 rows: 6 cols: 6 maxNum: 6
10 Computation time : 279 ms
11 true
12 Time: 279 ms
13 ----------------------------
14 6x6 122.in
15 rows: 6 cols: 6 maxNum: 5
16 Computation time : 174 ms
17 true
18 Time: 174 ms
19 ----------------------------
20 6x6 123.in
21 rows: 6 cols: 6 maxNum: 5
22 Computation time : 112 ms
23 true
24 Time: 112 ms
25 ----------------------------
26 6x6 124.in
27 rows: 6 cols: 6 maxNum: 5
28 Computation time : 152 ms
29 true
30 Time: 153 ms
31 ----------------------------
32 6x6 125.in
33 rows: 6 cols: 6 maxNum: 5
34 Computation time : 243 ms
35 true
36 Time: 243 ms
37 ----------------------------
38 6x6 130.in
39 rows: 6 cols: 6 maxNum: 4
40 Computation time : 219 ms
41 true
42 Time: 236 ms
43 ----------------------------
44 6x6 131.in
45 rows: 6 cols: 6 maxNum: 6
46 Computation time : 193 ms
47 true
48 Time: 193 ms
49 ----------------------------
50 6x6 132.in
51 rows: 6 cols: 6 maxNum: 4
52 Computation time : 200 ms
```

```
 53 true
 54 Time: 231 ms
 55 ----------------------------
 56 6x6 133.in
 57 rows: 6 cols: 6 maxNum: 6
 58 Computation time : 210 ms
 59 true
 60 Time: 210 ms
 61 ----------------------------
 62 6x6 134.in
 63 rows: 6 cols: 6 maxNum: 6
 64 Computation time : 134 ms
 65 true
 66 Time: 134 ms
 67 ----------------------------
 68 6x6 135.in
 69 rows: 6 cols: 6 maxNum: 4
 70 Computation time : 188 ms
 71 true
 72 Time: 192 ms
 73 ----------------------------
 74 6x6 136.in
 75 rows: 6 cols: 6 maxNum: 4
 76 Computation time : 191 ms
 77 true
 78 Time: 191 ms
 79 ----------------------------
 80 6x6 137.in
 81 rows: 6 cols: 6 maxNum: 5
 82 Computation time : 249 ms
 83 true
 84 Time: 250 ms
 85 ----------------------------
 86 6x6 138.in
 87 rows: 6 cols: 6 maxNum: 5
 88 Computation time : 185 ms
 89 true
 90 Time: 187 ms
 91 ----------------------------
 92 6x6 139.in
 93 rows: 6 cols: 6 maxNum: 5
 94 Computation time : 123 ms
 95 true
 96 Time: 123 ms
 97 ----------------------------
 98 6x6 140.in
 99 rows: 6 cols: 6 maxNum: 7
100 Computation time : 147 ms
101 true
102 Time: 147 ms
103 ----------------------------
104 6x6 141.in
105 rows: 6 cols: 6 maxNum: 4
106 Computation time : 274 ms
107 true
108 Time: 274 ms
109 ----------------------------
110 6x6 142.in
111 rows: 6 cols: 6 maxNum: 5
112 Computation time : 236 ms
113 true
114 Time: 236 ms
115 ----------------------------
116 6x6 143.in
117 rows: 6 cols: 6 maxNum: 6
118 Computation time : 215 ms
119 true
120 Time: 215 ms
```

```
121 ---------------------------
122 6x6 144.in
123 rows: 6 cols: 6 maxNum: 6
124 Computation time : 220 ms
125 true
126 Time: 220 ms
127 ---------------------------
128 6x6 145.in
129 rows: 6 cols: 6 maxNum: 5
130 Computation time : 200 ms
131 true
132 Time: 200 ms
133 ---------------------------
134 7x7 120.in
135 rows: 7 cols: 7 maxNum: 6
136 Computation time : 162 ms
137 true
138 Time: 162 ms
139 ---------------------------
140 7x7 121.in
141 rows: 7 cols: 7 maxNum: 7
142 Computation time : 149 ms
143 true
144 Time: 149 ms
145 ---------------------------
146 7x7 122.in
147 rows: 7 cols: 7 maxNum: 7
148 Computation time : 183 ms
149 true
150 Time: 195 ms
151 ---------------------------
152 7x7 123.in
153 rows: 7 cols: 7 maxNum: 5
154 Computation time : 390 ms
155 true
156 Time: 434 ms
157 ---------------------------
158 7x7 124.in
159 rows: 7 cols: 7 maxNum: 6
160 Computation time : 493 ms
161 true
162 Time: 493 ms
163 ---------------------------
164 7x7 130.in
165 rows: 7 cols: 7 maxNum: 4
166 Computation time : 148 ms
167 true
168 Time: 958 ms
169 ---------------------------
170 7x7 131.in
171 rows: 7 cols: 7 maxNum: 6
172 Computation time : 290 ms
173 true
174 Time: 304 ms
175 ---------------------------
176 7x7 132.in
177 rows: 7 cols: 7 maxNum: 8
178 Computation time : 155 ms
179 true
180 Time: 155 ms
181 ---------------------------
182 7x7 133.in
183 rows: 7 cols: 7 maxNum: 6
184 Computation time : 152 ms
185 true
186 Time: 266 ms
187 ---------------------------
188 7x7 134.in
```

```
189 rows: 7 cols: 7 maxNum: 5
190 Computation time : 101 ms
191 true
192 Time: 101 ms
193 ----------------------------
194 7x7 135.in
195 rows: 7 cols: 7 maxNum: 7
196 Computation time : 155 ms
197 true
198 Time: 208 ms
199 ----------------------------
200 7x7 136.in
201 rows: 7 cols: 7 maxNum: 5
202 Computation time : 271 ms
203 true
204 Time: 276 ms
205 ----------------------------
206 7x7 137.in
207 rows: 7 cols: 7 maxNum: 5
208 Computation time : 353 ms
209 true
210 Time: 384 ms
211 ----------------------------
212 7x7 138.in
213 rows: 7 cols: 7 maxNum: 6
214 Computation time : 319 ms
215 true
216 Time: 320 ms
217 ----------------------------
218 7x7 139.in
219 rows: 7 cols: 7 maxNum: 6
220 Computation time : 225 ms
221 true
222 Time: 310 ms
223 ----------------------------
224 7x7 140.in
225 rows: 7 cols: 7 maxNum: 6
226 Computation time : 153 ms
227 true
228 Time: 153 ms
229 ----------------------------
230 7x7 141.in
231 rows: 7 cols: 7 maxNum: 6
232 Computation time : 178 ms
233 true
234 Time: 187 ms
235 ----------------------------
236 7x7 142.in
237 rows: 7 cols: 7 maxNum: 6
238 Computation time : 127 ms
239 true
240 Time: 127 ms
241 ----------------------------
242 7x7 143.in
243 rows: 7 cols: 7 maxNum: 7
244 Computation time : 231 ms
245 true
246 Time: 283 ms
247 ----------------------------
248 7x7 144.in
249 rows: 7 cols: 7 maxNum: 6
250 Computation time : 281 ms
251 true
252 Time: 281 ms
253 ----------------------------
254 7x7 145.in
255 rows: 7 cols: 7 maxNum: 6
256 Computation time : 230 ms
```

```
257 true
258 Time: 230 ms
259 --------------------------
260 8x8 120.in
261 rows: 8 cols: 8 maxNum: 8
262 Computation time : 246 ms
263 true
264 Time: 267 ms
265 --------------------------
266 8x8 121.in
267 rows: 8 cols: 8 maxNum: 8
268 Computation time : 267 ms
269 true
270 Time: 1067 ms
271 --------------------------
272 8x8 122.in
273 rows: 8 cols: 8 maxNum: 8
274 Computation time : 185 ms
275 true
276 Time: 515 ms
277 --------------------------
278 8x8 123.in
279 rows: 8 cols: 8 maxNum: 8
280 Computation time : 271 ms
281 true
282 Time: 271 ms
283 --------------------------
284 8x8 124.in
285 rows: 8 cols: 8 maxNum: 6
286 Computation time : 350 ms
287 true
288 Time: 57188 ms
289 --------------------------
290 8x8 130.in
291 rows: 8 cols: 8 maxNum: 6
292 Computation time : 85 ms
293 true
294 Time: 10647 ms
295 --------------------------
296 8x8 131.in
297 rows: 8 cols: 8 maxNum: 8
298 Computation time : 194 ms
299 true
300 Time: 210 ms
301 --------------------------
302 8x8 132.in
303 rows: 8 cols: 8 maxNum: 7
304 Computation time : 179 ms
305 true
306 Time: 241 ms
307 --------------------------
308 8x8 133.in
309 rows: 8 cols: 8 maxNum: 6
310 Computation time : 146 ms
311 true
312 Time: 1372 ms
313 --------------------------
314 8x8 134.in
315 rows: 8 cols: 8 maxNum: 8
316 Computation time : 235 ms
317 true
318 Time: 235 ms
319 --------------------------
320 8x8 135.in
321 rows: 8 cols: 8 maxNum: 6
322 Computation time : 95 ms
323 true
324 Time: 2172 ms
```

```
325 ----------------------------
326 8x8 136.in
327 rows: 8 cols: 8 maxNum: 7
328 Computation time : 311 ms
329 true
330 Time: 708 ms
331 ----------------------------
332 8x8 137.in
333 rows: 8 cols: 8 maxNum: 8
334 Computation time : 227 ms
335 true
336 Time: 252 ms
337 ----------------------------
338 8x8 138.in
339 rows: 8 cols: 8 maxNum: 5
340 Computation time : 177 ms
341 true
342 Time: 9449 ms
343 ----------------------------
344 8x8 139.in
345 rows: 8 cols: 8 maxNum: 8
346 Computation time : 209 ms
347 true
348 Time: 209 ms
349 ----------------------------
350 8x8 140.in
351 rows: 8 cols: 8 maxNum: 7
352 Computation time : 223 ms
353 true
354 Time: 317 ms
355 ----------------------------
356 8x8 141.in
357 rows: 8 cols: 8 maxNum: 8
358 Computation time : 206 ms
359 true
360 Time: 248 ms
361 ----------------------------
362 8x8 142.in
363 rows: 8 cols: 8 maxNum: 7
364 Computation time : 116 ms
365 true
366 Time: 256 ms
367 ----------------------------
368 8x8 143.in
369 rows: 8 cols: 8 maxNum: 9
370 Computation time : 219 ms
371 true
372 Time: 219 ms
373 ----------------------------
374 8x8 144.in
375 rows: 8 cols: 8 maxNum: 7
376 Computation time : 139 ms
377 true
378 Time: 337 ms
379 ----------------------------
380 8x8 145.in
381 rows: 8 cols: 8 maxNum: 8
382 Computation time : 178 ms
383 true
384 Time: 268 ms
385 ----------------------------
386 9x9 120.in
387 rows: 9 cols: 9 maxNum: 7
388 timeout
389 UNSAT
390 9x9 121.in
391 rows: 9 cols: 9 maxNum: 9
392 Computation time : 202 ms
```

```
393 true
394 Time: 265 ms
395 ----------------------------
396 9x9 122.in
397 rows: 9 cols: 9 maxNum: 9
398 Computation time : 212 ms
399 true
400 Time: 1061 ms
401 ----------------------------
402 9x9 123.in
403 rows: 9 cols: 9 maxNum: 8
404 Computation time : 256 ms
405 true
406 Time: 1049 ms
407 ----------------------------
408 9x9 124.in
409 rows: 9 cols: 9 maxNum: 10
410 Computation time : 278 ms
411 true
412 Time: 1949 ms
413 ----------------------------
414 9x9 130.in
415 rows: 9 cols: 9 maxNum: 9
416 Computation time : 241 ms
417 true
418 Time: 37870 ms
419 ----------------------------
420 9x9 131.in
421 rows: 9 cols: 9 maxNum: 10
422 Computation time : 125 ms
423 true
424 Time: 889 ms
425 ----------------------------
426 9x9 132.in
427 rows: 9 cols: 9 maxNum: 10
428 Computation time : 135 ms
429 true
430 Time: 324 ms
431 ----------------------------
432 9x9 133.in
433 rows: 9 cols: 9 maxNum: 9
434 Computation time : 147 ms
435 true
436 Time: 15381 ms
437 ----------------------------
438 9x9 134.in
439 rows: 9 cols: 9 maxNum: 7
440 Computation time : 119 ms
441 true
442 Time: 2575 ms
443 ----------------------------
444 9x9 135.in
445 rows: 9 cols: 9 maxNum: 8
446 Computation time : 120 ms
447 true
448 Time: 761 ms
449 ----------------------------
450 9x9 136.in
451 rows: 9 cols: 9 maxNum: 8
452 Computation time : 158 ms
453 true
454 Time: 196978 ms
455 ----------------------------
456 9x9 137.in
457 rows: 9 cols: 9 maxNum: 7
458 Computation time : 157 ms
459 true
460 Time: 116685 ms
```

```
461 ----------------------------
462 9x9 138.in
463 rows: 9 cols: 9 maxNum: 8
464 Computation time : 139 ms
465 true
466 Time: 567977 ms
467 ----------------------------
468 9x9 139.in
469 rows: 9 cols: 9 maxNum: 9
470 Computation time : 189 ms
471 true
472 Time: 28687 ms
473 ----------------------------
474 9x9 140.in
475 rows: 9 cols: 9 maxNum: 9
476 Computation time : 186 ms
477 true
478 Time: 105916 ms
479 ----------------------------
480 9x9 141.in
481 rows: 9 cols: 9 maxNum: 7
482 timeout
483 UNSAT
484 9x9 142.in
485 rows: 9 cols: 9 maxNum: 10
486 Computation time : 276 ms
487 true
488 Time: 365 ms
489 ----------------------------
490 9x9 143.in
491 rows: 9 cols: 9 maxNum: 8
492 Computation time : 222 ms
493 true
494 Time: 136009 ms
495 ----------------------------
496 9x9 144.in
497 rows: 9 cols: 9 maxNum: 9
498 Computation time : 297 ms
499 true
500 Time: 4240670 ms
501 ----------------------------
502 Computation time : 154 ms
503 true
504 Time: 29638 ms
505 ----------------------------
506 9x9 145.in
507 rows: 9 cols: 9 maxNum: 8
508 Computation time : 133 ms
509 true
510 Time: 60747 ms
511 ----------------------------
512 Computation time : 170 ms
513 true
514 Time: 2861597 ms
515 ----------------------------
516
517 Process finished with exit code -1
518
```