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1 "C:\Program Files\Java\jdk-19\bin\java.exe" "-
  javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
  Community Edition 2024.1.2\lib\idea_rt.jar=44494:C:\\
  Program Files\JetBrains\IntelliJ IDEA Community
  Edition 2024.1.2\bin" -Dfile.encoding=UTF-8 -Dsun.
  stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -
  classpath "F:\Masters in Computer and Information
  Science\CSMC\Projects\RicartAgarwalaUsingThread\out\
  production\RicartAgarwalaUsingThread" Main
2 Received Message [ None ] :: Name: B Received Message
  : No message to receive
3 Received Message [ None ] :: Name: A Received Message
  : No message to receive
4 Received Message [ None ] :: Name: D Received Message
  : No message to receive
5 Received Message [ None ] :: Name: E Received Message
  : No message to receive
6 Received Message [ None ] :: Name: G Received Message
  : No message to receive
7 Received Message [ None ] :: Name: H Received Message
  : No message to receive
8 Received Message [ None ] :: Name: I Received Message
  : No message to receive
9 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: A at: 0
10 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: B at: 0
11 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: D at: 0
12 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: E at: 0
13 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: F at: 0
14 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: G at: 0
15 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: H at: 0
16 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: I at: 0
17 Request Message :: Name: C id: 3 status: Requesting
  message sent: C:3:REQUEST:0 to: J at: 0
```

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18 Received Message [ Requesting ] :: Name: C Received
  Message: No message to receive
19 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: A at: 0
20 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: B at: 0
21 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: C at: 0
22 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: D at: 0
23 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: A at: 0
24 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: B at: 0
25 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: C at: 0
26 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: D at: 0
27 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: E at: 0
28 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: G at: 0
29 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: H at: 0
30 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: I at: 0
31 Request Message :: Name: F id: 6 status: Requesting
  message sent: F:6:REQUEST:0 to: J at: 0
32 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: E at: 0
33 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: F at: 0
34 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: G at: 0
35 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: H at: 0
36 Request Message :: Name: J id: 10 status: Requesting
  message sent: J:10:REQUEST:0 to: I at: 0
37 Received Message[ Requesting ]::: Name: F Received
  Message: C:3:REQUEST:0 Received from : C
38
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39 Received Message[ Requesting ]:: Name: J Received
  Message: C:3:REQUEST:0 Received from : C
40
41 Send Message :: Name: F id: 6 status: Requesting
  message sent: F:6:GO_AHEAD:1 to: C at: 1
42 Send Message :: Name: J id: 10 status: Requesting
  message sent: J:10:GO_AHEAD:1 to: C at: 1
43 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: A at: 0
44 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: C at: 0
45 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: D at: 0
46 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: E at: 0
47 Received Message[ None ]:: Name: A Received Message:
  J:10:REQUEST:0 Received from : J
48
49 Received Message[ None ]:: Name: D Received Message:
  C:3:REQUEST:0 Received from : C
50
51 Received Message[ None ]:: Name: E Received Message:
  C:3:REQUEST:0 Received from : C
52
53 Send Message :: Name: E id: 5 status: None message
  sent: E:5:GO_AHEAD:1 to: C at: 1
54 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: F at: 0
55 Send Message :: Name: A id: 1 status: None message
  sent: A:1:GO_AHEAD:1 to: J at: 1
56 Send Message :: Name: D id: 4 status: None message
  sent: D:4:GO_AHEAD:1 to: C at: 1
57 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: G at: 0
58 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: H at: 0
59 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: I at: 0
60 Request Message :: Name: B id: 2 status: Requesting
  message sent: B:2:REQUEST:0 to: J at: 0
61 Received Message[ Requesting ]:: Name: B Received
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61 Message: C:3:REQUEST:0 Received from : C
62
63 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: A at: 0
64 Received Message[ None ]:: Name: G Received Message
  : C:3:REQUEST:0 Received from : C
65
66 Received Message[ None ]:: Name: I Received Message
  : C:3:REQUEST:0 Received from : C
67
68 Send Message :: Name: I id: 9 status: None message
  sent: I:9:GO_AHEAD:1 to: C at: 1
69 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: B at: 0
70 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: C at: 0
71 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: D at: 0
72 Send Message :: Name: G id: 7 status: None message
  sent: G:7:GO_AHEAD:1 to: C at: 1
73 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: E at: 0
74 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: F at: 0
75 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: G at: 0
76 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: I at: 0
77 Request Message :: Name: H id: 8 status: Requesting
  message sent: H:8:REQUEST:0 to: J at: 0
78 Received Message[ Requesting ]:: Name: H Received
  Message: C:3:REQUEST:0 Received from : C
79
80 Send Message :: Name: H id: 8 status: Requesting
  message sent: H:8:GO_AHEAD:1 to: C at: 1
81 Received Message[ Requesting ]:: Name: J Received
  Message: F:6:REQUEST:0 Received from : F
82
83 Received Message[ Requesting ]:: Name: C Received
  Message: J:10:REQUEST:0 Received from : J
84
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85 Received Message[ Requesting ]::: Name: F Received
  Message: J:10:REQUEST:0 Received from : J
86
87 Send Message :: Name: J id: 10 status: Requesting
  message sent: J:10:GO_AHEAD:3 to: F at: 3
88 Received Message[ None ]::: Name: E Received Message
  : J:10:REQUEST:0 Received from : J
89
90 Request Message :: Name: D id: 4 status: Requesting
  message sent: D:4:REQUEST:2 to: A at: 2
91 Received Message[ Requesting ]::: Name: B Received
  Message: J:10:REQUEST:0 Received from : J
92
93 Received Message[ None ]::: Name: A Received Message
  : F:6:REQUEST:0 Received from : F
94
95 Send Message :: Name: A id: 1 status: None message
  sent: A:1:GO_AHEAD:3 to: F at: 3
96 Send Message :: Name: E id: 5 status: None message
  sent: E:5:GO_AHEAD:3 to: J at: 3
97 Request Message :: Name: D id: 4 status: Requesting
  message sent: D:4:REQUEST:2 to: B at: 2
98 Request Message :: Name: D id: 4 status: Requesting
  message sent: D:4:REQUEST:2 to: C at: 2
99 Request Message :: Name: D id: 4 status: Requesting
  message sent: D:4:REQUEST:2 to: E at: 2
100 Request Message :: Name: D id: 4 status: Requesting
   message sent: D:4:REQUEST:2 to: F at: 2
101 Request Message :: Name: D id: 4 status: Requesting
   message sent: D:4:REQUEST:2 to: G at: 2
102 Request Message :: Name: D id: 4 status: Requesting
   message sent: D:4:REQUEST:2 to: H at: 2
103 Request Message :: Name: D id: 4 status: Requesting
   message sent: D:4:REQUEST:2 to: I at: 2
104 Request Message :: Name: D id: 4 status: Requesting
   message sent: D:4:REQUEST:2 to: J at: 2
105 Received Message[ Requesting ]::: Name: D Received
  Message: J:10:REQUEST:0 Received from : J
106
107 Send Message :: Name: D id: 4 status: Requesting
  message sent: D:4:GO_AHEAD:3 to: J at: 3
```

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108 Received Message[ Requesting ]:: Name: H Received
    Message: F:6:REQUEST:0 Received from : F
109 Received Message[ None ]:: Name: G Received Message
    : F:6:REQUEST:0 Received from : F
110
111 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: A at: 2
112
113 Send Message :: Name: G id: 7 status: None message
    sent: G:7:GO_AHEAD:3 to: F at: 3
114 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: B at: 2
115 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: C at: 2
116 Send Message :: Name: H id: 8 status: Requesting
    message sent: H:8:GO_AHEAD:3 to: F at: 3
117 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: D at: 2
118 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: E at: 2
119 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: F at: 2
120 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: G at: 2
121 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: H at: 2
122 Request Message :: Name: I id: 9 status: Requesting
    message sent: I:9:REQUEST:2 to: J at: 2
123 Received Message[ Requesting ]:: Name: I Received
    Message: F:6:REQUEST:0 Received from : F
124
125 Send Message :: Name: I id: 9 status: Requesting
    message sent: I:9:GO_AHEAD:3 to: F at: 3
126 Received Message[ Requesting ]:: Name: J Received
    Message: A:1:GO_AHEAD:1 Received from : A
127
128 Received Message[ Requesting ]:: Name: F Received
    Message: B:2:REQUEST:0 Received from : B
129
130 Send Message :: Name: F id: 6 status: Requesting
    message sent: F:6:GO_AHEAD:4 to: B at: 4
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131 Received Message[ Requesting ]:: Name: C Received
    Message: F:6:REQUEST:0 Received from : F
132
133 Received Message[ Requesting ]:: Name: B Received
    Message: F:6:REQUEST:0 Received from : F
134
135 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: A at: 4
136 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: B at: 4
137 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: B at: 4
138 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: C at: 4
139 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: C at: 4
140 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: D at: 4
141 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: D at: 4
142 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: F at: 4
143 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: E at: 4
144 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: F at: 4
145 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: G at: 4
146 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: G at: 4
147 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: H at: 4
148 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: H at: 4
149 Request Message :: Name: A id: 1 status: Requesting
    message sent: A:1:REQUEST:4 to: I at: 4
150 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: I at: 4
151 Request Message :: Name: E id: 5 status: Requesting
    message sent: E:5:REQUEST:4 to: J at: 4
152 Request Message :: Name: A id: 1 status: Requesting
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152 message sent: A:1:REQUEST:4 to: J at: 4
153 Received Message[ Requesting ]:: Name: A Received
    Message: C:3:REQUEST:0 Received from : C
154
155 Send Message :: Name: A id: 1 status: Requesting
    message sent: A:1:GO_AHEAD:5 to: C at: 5
156 Received Message[ Requesting ]:: Name: E Received
    Message: F:6:REQUEST:0 Received from : F
157
158 Received Message[ Requesting ]:: Name: D Received
    Message: F:6:REQUEST:0 Received from : F
159
160 Send Message :: Name: E id: 5 status: Requesting
    message sent: E:5:GO_AHEAD:5 to: F at: 5
161 Send Message :: Name: D id: 4 status: Requesting
    message sent: D:4:GO_AHEAD:5 to: F at: 5
162 Received Message[ Requesting ]:: Name: H Received
    Message: J:10:REQUEST:0 Received from : J
163 Received Message[ Requesting ]:: Name: I Received
    Message: J:10:REQUEST:0 Received from : J
164
165 Received Message[ None ]:: Name: G Received Message
    : J:10:REQUEST:0 Received from : J
166
167 Send Message :: Name: I id: 9 status: Requesting
    message sent: I:9:GO_AHEAD:5 to: J at: 5
168
169 Send Message :: Name: G id: 7 status: None message
    sent: G:7:GO_AHEAD:5 to: J at: 5
170 Received Message[ Requesting ]:: Name: J Received
    Message: B:2:REQUEST:0 Received from : B
171
172 Send Message :: Name: J id: 10 status: Requesting
    message sent: J:10:GO_AHEAD:7 to: B at: 7
173 Received Message[ Requesting ]:: Name: C Received
    Message: F:6:GO_AHEAD:1 Received from : F
174
175 Received Message[ Requesting ]:: Name: F Received
    Message: H:8:REQUEST:0 Received from : H
176
177 Received Message[ Requesting ]:: Name: E Received
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177 Message: B:2:REQUEST:0 Received from : B
178
179 Received Message[ Requesting ]:: Name: B Received
    Message: H:8:REQUEST:0 Received from : H
180 Send Message :: Name: E id: 5 status: Requesting
    message sent: E:5:GO_AHEAD:7 to: B at: 7
181 Received Message[ Requesting ]:: Name: A Received
    Message: B:2:REQUEST:0 Received from : B
182
183
184 Send Message :: Name: A id: 1 status: Requesting
    message sent: A:1:GO_AHEAD:7 to: B at: 7
185 Received Message[ Requesting ]:: Name: D Received
    Message: B:2:REQUEST:0 Received from : B
186
187 Send Message :: Name: D id: 4 status: Requesting
    message sent: D:4:GO_AHEAD:7 to: B at: 7
188 Received Message[ Requesting ]:: Name: H Received
    Message: B:2:REQUEST:0 Received from : B
189 Received Message[ Requesting ]:: Name: I Received
    Message: B:2:REQUEST:0 Received from : B
190
191
192 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: A at: 6
193 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: B at: 6
194 Send Message :: Name: H id: 8 status: Requesting
    message sent: H:8:GO_AHEAD:6 to: B at: 6
195 Send Message :: Name: I id: 9 status: Requesting
    message sent: I:9:GO_AHEAD:7 to: B at: 7
196 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: C at: 6
197 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: D at: 6
198 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: E at: 6
199 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: F at: 6
200 Request Message :: Name: G id: 7 status: Requesting
    message sent: G:7:REQUEST:6 to: H at: 6
```

201 Request Message :: Name: G id: 7 status: Requesting
message sent: G:7:REQUEST:6 to: I at: 6
202 Request Message :: Name: G id: 7 status: Requesting
message sent: G:7:REQUEST:6 to: J at: 6
203 Received Message[Requesting]:: Name: G Received
Message: B:2:REQUEST:0 Received from : B
204
205 Send Message :: Name: G id: 7 status: Requesting
message sent: G:7:GO_AHEAD:7 to: B at: 7
206 Received Message[Requesting]:: Name: C Received
Message: J:10:GO_AHEAD:1 Received from : J
207
208 Received Message[Requesting]:: Name: J Received
Message: H:8:REQUEST:0 Received from : H
209
210 Received Message[Requesting]:: Name: F Received
Message: J:10:GO_AHEAD:3 Received from : J
211
212 Send Message :: Name: J id: 10 status: Requesting
message sent: J:10:GO_AHEAD:9 to: H at: 9
213 Received Message[Requesting]:: Name: B Received
Message: D:4:REQUEST:2 Received from : D
214
215 Received Message[Requesting]:: Name: D Received
Message: H:8:REQUEST:0 Received from : H
216
217 Send Message :: Name: D id: 4 status: Requesting
message sent: D:4:GO_AHEAD:9 to: H at: 9
218 Received Message[Requesting]:: Name: E Received
Message: H:8:REQUEST:0 Received from : H
219
220 Send Message :: Name: E id: 5 status: Requesting
message sent: E:5:GO_AHEAD:9 to: H at: 9
221 Received Message[Requesting]:: Name: A Received
Message: H:8:REQUEST:0 Received from : H
222
223 Send Message :: Name: A id: 1 status: Requesting
message sent: A:1:GO_AHEAD:9 to: H at: 9
224 Received Message[Requesting]:: Name: I Received
Message: H:8:REQUEST:0 Received from : H
225

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226 Send Message :: Name: I id: 9 status: Requesting
    message sent: I:9:GO_AHEAD:9 to: H at: 9
227 Received Message[ Requesting ]:: Name: G Received
    Message: H:8:REQUEST:0 Received from : H
228
229 Send Message :: Name: G id: 7 status: Requesting
    message sent: G:7:GO_AHEAD:9 to: H at: 9
230 Received Message[ Requesting ]:: Name: H Received
    Message: D:4:REQUEST:2 Received from : D
231
232 Received Message[ Requesting ]:: Name: J Received
    Message: E:5:GO_AHEAD:3 Received from : E
233
234 Received Message[ Requesting ]:: Name: F Received
    Message: A:1:GO_AHEAD:3 Received from : A
235
236 Received Message[ Requesting ]:: Name: C Received
    Message: B:2:REQUEST:0 Received from : B
237
238 Send Message :: Name: C id: 3 status: Requesting
    message sent: C:3:GO_AHEAD:7 to: B at: 7
239 Received Message[ Requesting ]:: Name: A Received
    Message: D:4:REQUEST:2 Received from : D
240
241 Received Message[ Requesting ]:: Name: B Received
    Message: I:9:REQUEST:2 Received from : I
242
243 Send Message :: Name: A id: 1 status: Requesting
    message sent: A:1:GO_AHEAD:11 to: D at: 11
244 Received Message[ Requesting ]:: Name: E Received
    Message: D:4:REQUEST:2 Received from : D
245
246 Received Message[ Requesting ]:: Name: D Received
    Message: I:9:REQUEST:2 Received from : I
247
248 Send Message :: Name: E id: 5 status: Requesting
    message sent: E:5:GO_AHEAD:11 to: D at: 11
249 Received Message[ Requesting ]:: Name: H Received
    Message: I:9:REQUEST:2 Received from : I
250
251 Received Message[ Requesting ]:: Name: G Received
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251 Message: D:4:REQUEST:2 Received from : D
252
253 Received Message[ Requesting ]:: Name: I Received
    Message: D:4:REQUEST:2 Received from : D
254
255 Send Message :: Name: G id: 7 status: Requesting
    message sent: G:7:GO_AHEAD:11 to: D at: 11
256 Send Message :: Name: I id: 9 status: Requesting
    message sent: I:9:GO_AHEAD:11 to: D at: 11
257 Received Message[ Requesting ]:: Name: J Received
    Message: D:4:REQUEST:2 Received from : D
258
259 Received Message[ Requesting ]:: Name: F Received
    Message: D:4:REQUEST:2 Received from : D
260
261 Received Message[ Requesting ]:: Name: C Received
    Message: D:4:GO_AHEAD:1 Received from : D
262
263 Received Message[ Requesting ]:: Name: B Received
    Message: F:6:GO_AHEAD:4 Received from : F
264
265 Received Message[ Requesting ]:: Name: D Received
    Message: E:5:REQUEST:4 Received from : E
266
267 Received Message[ Requesting ]:: Name: E Received
    Message: I:9:REQUEST:2 Received from : I
268
269 Send Message :: Name: E id: 5 status: Requesting
    message sent: E:5:GO_AHEAD:13 to: I at: 13
270 Received Message[ Requesting ]:: Name: A Received
    Message: I:9:REQUEST:2 Received from : I
271
272 Send Message :: Name: A id: 1 status: Requesting
    message sent: A:1:GO_AHEAD:13 to: I at: 13
273 Received Message[ Requesting ]:: Name: G Received
    Message: I:9:REQUEST:2 Received from : I
274
275 Received Message[ Requesting ]:: Name: H Received
    Message: E:5:REQUEST:4 Received from : E
276
277 Received Message[ Requesting ]:: Name: I Received
```

277 Message: E:5:REQUEST:4 Received from : E
278
279 Send Message :: Name: G id: 7 status: Requesting
message sent: G:7:GO_AHEAD:13 to: I at: 13
280 Received Message[Requesting]:: Name: C Received
Message: E:5:GO_AHEAD:1 Received from : E
281
282 Received Message[Requesting]:: Name: J Received
Message: D:4:GO_AHEAD:3 Received from : D
283
284 Received Message[Requesting]:: Name: F Received
Message: G:7:GO_AHEAD:3 Received from : G
285
286 Received Message[Requesting]:: Name: D Received
Message: A:1:REQUEST:4 Received from : A
287
288 Received Message[Requesting]:: Name: A Received
Message: E:5:REQUEST:4 Received from : E
289
290 Received Message[Requesting]:: Name: E Received
Message: A:1:REQUEST:4 Received from : A
291
292 Received Message[Requesting]:: Name: B Received
Message: A:1:REQUEST:4 Received from : A
293
294 Send Message :: Name: E id: 5 status: Requesting
message sent: E:5:GO_AHEAD:15 to: A at: 15
295 Received Message[Requesting]:: Name: H Received
Message: A:1:REQUEST:4 Received from : A
296
297 Received Message[Requesting]:: Name: I Received
Message: A:1:REQUEST:4 Received from : A
298
299 Received Message[Requesting]:: Name: G Received
Message: E:5:REQUEST:4 Received from : E
300
301 Send Message :: Name: G id: 7 status: Requesting
message sent: G:7:GO_AHEAD:15 to: E at: 15
302 Received Message[Requesting]:: Name: F Received
Message: H:8:GO_AHEAD:3 Received from : H
303

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304 Received Message[ Requesting ]:: Name: C Received
    Message: G:7:GO_AHEAD:1 Received from : G
305
306 Received Message[ Requesting ]:: Name: J Received
    Message: I:9:REQUEST:2 Received from : I
307
308 Received Message[ Requesting ]:: Name: E Received
    Message: G:7:REQUEST:6 Received from : G
309
310 Received Message[ Requesting ]:: Name: D Received
    Message: G:7:REQUEST:6 Received from : G
311
312 Received Message[ Requesting ]:: Name: A Received
    Message: G:7:REQUEST:6 Received from : G
313
314 Received Message[ Requesting ]:: Name: B Received
    Message: E:5:REQUEST:4 Received from : E
315
316 Received Message[ Requesting ]:: Name: H Received
    Message: G:7:REQUEST:6 Received from : G
317
318 Received Message[ Requesting ]:: Name: G Received
    Message: A:1:REQUEST:4 Received from : A
319
320 Send Message :: Name: G id: 7 status: Requesting
    message sent: G:7:GO_AHEAD:17 to: A at: 17
321 Received Message[ Requesting ]:: Name: I Received
    Message: G:7:REQUEST:6 Received from : G
322
323 Received Message[ Requesting ]:: Name: J Received
    Message: A:1:REQUEST:4 Received from : A
324 Received Message[ Requesting ]:: Name: C Received
    Message: I:9:GO_AHEAD:1 Received from : I
325
326 Received Message[ Requesting ]:: Name: F Received
    Message: I:9:REQUEST:2 Received from : I
327
328
329 Received Message[ Requesting ]:: Name: E Received
    Message: G:7:GO_AHEAD:15 Received from : G
330
```

```
331 Received Message[ Requesting ]:: Name: D Received
    Message: A:1:GO_AHEAD:11 Received from : A
332
333 Received Message[ Requesting ]:: Name: A Received
    Message: E:5:GO_AHEAD:15 Received from : E
334
335 Received Message[ Requesting ]:: Name: B Received
    Message: J:10:GO_AHEAD:7 Received from : J
336
337 Received Message[ Requesting ]:: Name: I Received
    Message: E:5:GO_AHEAD:13 Received from : E
338
339 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
340 Received Message[ Requesting ]:: Name: H Received
    Message: J:10:GO_AHEAD:9 Received from : J
341
342 Received Message[ Requesting ]:: Name: C Received
    Message: H:8:REQUEST:0 Received from : H
343
344 Received Message[ Requesting ]:: Name: F Received
    Message: I:9:GO_AHEAD:3 Received from : I
345
346 Received Message[ Requesting ]:: Name: J Received
    Message: E:5:REQUEST:4 Received from : E
347
348 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
349 Received Message[ Requesting ]:: Name: D Received
    Message: E:5:GO_AHEAD:11 Received from : E
350
351 Received Message[ Requesting ]:: Name: B Received
    Message: E:5:GO_AHEAD:7 Received from : E
352
353 Received Message[ Requesting ]:: Name: A Received
    Message: G:7:GO_AHEAD:17 Received from : G
354
355 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
356 Received Message[ Requesting ]:: Name: H Received
    Message: D:4:GO_AHEAD:9 Received from : D
```

357
358 Received Message[Requesting]:: Name: I Received
Message: A:1:GO_AHEAD:13 Received from : A
359
360 Received Message[Requesting]:: Name: F Received
Message: E:5:REQUEST:4 Received from : E
361
362 Received Message[Requesting]:: Name: C Received
Message: H:8:GO_AHEAD:1 Received from : H
363
364 Received Message[Requesting]:: Name: J Received
Message: I:9:GO_AHEAD:5 Received from : I
365
366 Received Message [Requesting] :: Name: E Received
Message: No message to receive
367 Received Message [Requesting] :: Name: A Received
Message: No message to receive
368 Received Message[Requesting]:: Name: D Received
Message: G:7:GO_AHEAD:11 Received from : G
369
370 Received Message[Requesting]:: Name: B Received
Message: A:1:GO_AHEAD:7 Received from : A
371
372 Received Message[Requesting]:: Name: I Received
Message: G:7:GO_AHEAD:13 Received from : G
373
374 Received Message[Requesting]:: Name: H Received
Message: E:5:GO_AHEAD:9 Received from : E
375
376 Received Message [Requesting] :: Name: G Received
Message: No message to receive
377 Received Message[Requesting]:: Name: F Received
Message: A:1:REQUEST:4 Received from : A
378
379 Received Message[Requesting]:: Name: J Received
Message: G:7:GO_AHEAD:5 Received from : G
380
381 Received Message[Requesting]:: Name: C Received
Message: D:4:REQUEST:2 Received from : D
382
383 Received Message [Requesting] :: Name: A Received

```
383 Message: No message to receive
384 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
385 Received Message[ Requesting ]::: Name: B Received
    Message: D:4:GO_AHEAD:7 Received from : D
386
387 Received Message[ Requesting ]::: Name: D Received
    Message: I:9:GO_AHEAD:11 Received from : I
388
389 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
390 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
391 Received Message[ Requesting ]::: Name: H Received
    Message: A:1:GO_AHEAD:9 Received from : A
392
393 Received Message[ Requesting ]::: Name: C Received
    Message: I:9:REQUEST:2 Received from : I
394
395 Received Message[ Requesting ]::: Name: F Received
    Message: E:5:GO_AHEAD:5 Received from : E
396
397 Received Message[ Requesting ]::: Name: J Received
    Message: G:7:REQUEST:6 Received from : G
398
399 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
400 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
401 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
402 Received Message[ Requesting ]::: Name: B Received
    Message: I:9:GO_AHEAD:7 Received from : I
403
404 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
405 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
406 Received Message[ Requesting ]::: Name: H Received
    Message: I:9:GO_AHEAD:9 Received from : I
407
```

408 Received Message [Requesting] :: Name: J Received
Message: No message to receive

409 Received Message[Requesting]:: Name: F Received
Message: D:4:GO_AHEAD:5 Received from : D

410

411 Received Message[Requesting]:: Name: C Received
Message: E:5:REQUEST:4 Received from : E

412

413 Received Message [Requesting] :: Name: D Received
Message: No message to receive

414 Received Message [Requesting] :: Name: A Received
Message: No message to receive

415 Received Message[Requesting]:: Name: B Received
Message: H:8:GO_AHEAD:6 Received from : H

416

417 Received Message [Requesting] :: Name: E Received
Message: No message to receive

418 Received Message [Requesting] :: Name: G Received
Message: No message to receive

419 Received Message[Requesting]:: Name: H Received
Message: G:7:GO_AHEAD:9 Received from : G

420

421 Received Message [Requesting] :: Name: I Received
Message: No message to receive

422 Received Message [Requesting] :: Name: J Received
Message: No message to receive

423 Received Message[Requesting]:: Name: C Received
Message: A:1:REQUEST:4 Received from : A

424

425 Received Message[Requesting]:: Name: F Received
Message: G:7:REQUEST:6 Received from : G

426

427 Received Message [Requesting] :: Name: A Received
Message: No message to receive

428 Received Message [Requesting] :: Name: D Received
Message: No message to receive

429 Received Message [Requesting] :: Name: E Received
Message: No message to receive

430 Received Message[Requesting]:: Name: B Received
Message: G:7:REQUEST:6 Received from : G

431

432 Received Message [Requesting] :: Name: H Received
Message: No message to receive

433 Received Message [Requesting] :: Name: G Received
Message: No message to receive

434 Received Message [Requesting] :: Name: I Received
Message: No message to receive

435 Received Message [Requesting] :: Name: J Received
Message: No message to receive

436 Received Message [Requesting] :: Name: F Received
Message: No message to receive

437 Received Message[Requesting]:: Name: C Received
Message: A:1:GO_AHEAD:5 Received from : A

438

439 Received Message [Requesting] :: Name: E Received
Message: No message to receive

440 Received Message [Requesting] :: Name: D Received
Message: No message to receive

441 Received Message [Requesting] :: Name: A Received
Message: No message to receive

442 Received Message[Requesting]:: Name: B Received
Message: G:7:GO_AHEAD:7 Received from : G

443

444 Received Message [Requesting] :: Name: H Received
Message: No message to receive

445 Received Message [Requesting] :: Name: G Received
Message: No message to receive

446 Received Message [Requesting] :: Name: I Received
Message: No message to receive

447 Received Message [Requesting] :: Name: F Received
Message: No message to receive

448 Received Message [Requesting] :: Name: J Received
Message: No message to receive

449 Received Message[Requesting]:: Name: C Received
Message: G:7:REQUEST:6 Received from : G

450

451 Received Message [Requesting] :: Name: D Received
Message: No message to receive

452 Received Message [Requesting] :: Name: E Received
Message: No message to receive

453 Received Message [Requesting] :: Name: A Received
Message: No message to receive

```
454 Received Message[ Requesting ]::: Name: B Received
    Message: C:3:GO_AHEAD:7 Received from : C
455
456 B is in Critical State
457 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
458 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
459 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
460 Received Message [ Requesting ] :: Name: F Received
    Message: No message to receive
461 Received Message [ Requesting ] :: Name: C Received
    Message: No message to receive
462 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
463 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
464 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
465 Received Message [ InCriticalSection ] :: Name: B
    Received Message: No message to receive
466 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
467 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
468 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
469 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
470 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
471 Received Message [ Requesting ] :: Name: F Received
    Message: No message to receive
472 Received Message [ Requesting ] :: Name: C Received
    Message: No message to receive
473 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
474 Received Message [ InCriticalSection ] :: Name: B
    Received Message: No message to receive
475 Received Message [ Requesting ] :: Name: A Received
```

```
475 Message: No message to receive
476 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
477 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
478 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
479 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
480 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
481 Received Message [ Requesting ] :: Name: C Received
    Message: No message to receive
482 Received Message [ Requesting ] :: Name: F Received
    Message: No message to receive
483 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
484 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
485 Received Message [ AfterCriticalSection ] :: Name: B
    Received Message: No message to receive
486 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
487 B exiting critical state.
488 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:31 to
    : C at: 31
489 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:32 to
    : J at: 32
490 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:33 to
    : F at: 33
491 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:34 to
    : H at: 34
492 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:35 to
    : D at: 35
493 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:36 to
```

```
493 : I at: 36
494 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:37 to
    : A at: 37
495 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:38 to
    : E at: 38
496 Send Message :: Name: B id: 2 status:
    AfterCriticalSection message sent: B:2:GO_AHEAD:39 to
    : G at: 39
497 Received Message[ Requesting ]:: Name: H Received
    Message: B:2:GO_AHEAD:34 Received from : B
498
499 Received Message[ Requesting ]:: Name: I Received
    Message: B:2:GO_AHEAD:36 Received from : B
500
501 Received Message[ Requesting ]:: Name: G Received
    Message: B:2:GO_AHEAD:39 Received from : B
502
503 Received Message[ Requesting ]:: Name: J Received
    Message: B:2:GO_AHEAD:32 Received from : B
504
505 Received Message[ Requesting ]:: Name: F Received
    Message: B:2:GO_AHEAD:33 Received from : B
506
507 Received Message[ Requesting ]:: Name: C Received
    Message: B:2:GO_AHEAD:31 Received from : B
508
509 C is in Critical State
510 Received Message [ AfterCriticalSection ] :: Name: B
    Received Message: No message to receive
511 Received Message[ Requesting ]:: Name: E Received
    Message: B:2:GO_AHEAD:38 Received from : B
512
513 Received Message[ Requesting ]:: Name: A Received
    Message: B:2:GO_AHEAD:37 Received from : B
514
515 Received Message[ Requesting ]:: Name: D Received
    Message: B:2:GO_AHEAD:35 Received from : B
516
517 Received Message [ Requesting ] :: Name: I Received
```

```
517 Message: No message to receive
518 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
519 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
520 Received Message [ Requesting ] :: Name: F Received
    Message: No message to receive
521 Received Message [ AfterCriticalSection ] :: Name: C
    Received Message: No message to receive
522 C exiting critical state.
523 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
524 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:32 to
    : J at: 32
525 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:33 to
    : F at: 33
526 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:34 to
    : D at: 34
527 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:35 to
    : E at: 35
528 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:36 to
    : G at: 36
529 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:37 to
    : I at: 37
530 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:38 to
    : H at: 38
531 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:39 to
    : A at: 39
532 Send Message :: Name: C id: 3 status:
    AfterCriticalSection message sent: C:3:GO_AHEAD:40 to
    : B at: 40
533 Received Message[ Requesting ]:: Name: D Received
    Message: C:3:GO_AHEAD:34 Received from : C
```

```
534
535 Received Message[ AfterCriticalSection ]:: Name: B
    Received Message: C:3:GO_AHEAD:40 Received from : C
536
537 Received Message[ Requesting ]:: Name: A Received
    Message: C:3:GO_AHEAD:39 Received from : C
538
539 Received Message[ Requesting ]:: Name: E Received
    Message: C:3:GO_AHEAD:35 Received from : C
540
541 Received Message[ Requesting ]:: Name: H Received
    Message: C:3:GO_AHEAD:38 Received from : C
542 Received Message[ Requesting ]:: Name: G Received
    Message: C:3:GO_AHEAD:36 Received from : C
543
544 Received Message[ Requesting ]:: Name: I Received
    Message: C:3:GO_AHEAD:37 Received from : C
545
546
547 Received Message [ AfterCriticalSection ] :: Name: C
    Received Message: No message to receive
548 Received Message[ Requesting ]:: Name: F Received
    Message: C:3:GO_AHEAD:33 Received from : C
549
550 Received Message[ Requesting ]:: Name: J Received
    Message: C:3:GO_AHEAD:32 Received from : C
551
552 F is in Critical State
553 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
554 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
555 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
556 Received Message [ AfterCriticalSection ] :: Name: B
    Received Message: No message to receive
557 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
558 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
559 Received Message [ Requesting ] :: Name: G Received
```

```
559 Message: No message to receive
560 Received Message [ AfterCriticalSection ] :: Name: C
    Received Message: No message to receive
561 Received Message [ InCriticalSection ] :: Name: F
    Received Message: No message to receive
562 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
563 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
564 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: A at: 41
565 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: C at: 41
566 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
567 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
568 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
569 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
570 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
571 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: D at: 41
572 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: E at: 41
573 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: F at: 41
574 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: G at: 41
575 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: H at: 41
576 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: I at: 41
577 Request Message :: Name: B id: 2 status: Requesting
    message sent: B:2:REQUEST:41 to: J at: 41
578 Received Message [ Requesting ] :: Name: B Received
    Message: No message to receive
579 Received Message[ Requesting ]:: Name: J Received
    Message: B:2:REQUEST:41 Received from : B
```

```
580
581 Received Message[ AfterCriticalSection ]:: Name: C
    Received Message: B:2:REQUEST:41 Received from : B
582
583 Received Message[ InCriticalSection ]:: Name: F
    Received Message: B:2:REQUEST:41 Received from : B
584
585 Received Message[ Requesting ]:: Name: G Received
    Message: B:2:REQUEST:41 Received from : B
586
587 Received Message[ Requesting ]:: Name: A Received
    Message: B:2:REQUEST:41 Received from : B
588
589 Received Message[ Requesting ]:: Name: D Received
    Message: B:2:REQUEST:41 Received from : B
590
591 Received Message[ Requesting ]:: Name: E Received
    Message: B:2:REQUEST:41 Received from : B
592
593 Received Message[ Requesting ]:: Name: H Received
    Message: B:2:REQUEST:41 Received from : B
594
595 Received Message [ Requesting ] :: Name: B Received
    Message: No message to receive
596 Received Message[ Requesting ]:: Name: I Received
    Message: B:2:REQUEST:41 Received from : B
597
598 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
599 Received Message [ AfterCriticalSection ] :: Name: C
    Received Message: No message to receive
600 Received Message [ InCriticalSection ] :: Name: F
    Received Message: No message to receive
601 Received Message [ Requesting ] :: Name: I Received
    Message: No message to receive
602 Received Message [ Requesting ] :: Name: E Received
    Message: No message to receive
603 Received Message [ Requesting ] :: Name: A Received
    Message: No message to receive
604 Received Message [ Requesting ] :: Name: D Received
    Message: No message to receive
```

```
605 Received Message [ Requesting ] :: Name: G Received
    Message: No message to receive
606 Received Message [ Requesting ] :: Name: H Received
    Message: No message to receive
607 Received Message [ Requesting ] :: Name: B Received
    Message: No message to receive
608 Received Message [ Requesting ] :: Name: J Received
    Message: No message to receive
609 Received Message [ AfterCriticalSection ] :: Name: F
    Received Message: No message to receive
610 F exiting critical state.
611 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:36 to
    : J at: 36
612 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:37 to
    : H at: 37
613 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:38 to
    : A at: 38
614 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:39 to
    : D at: 39
615 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:40 to
    : G at: 40
616 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: A at: 42
617 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: B at: 42
618 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: D at: 42
619 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: E at: 42
620 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: F at: 42
621 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:41 to
    : I at: 41
622 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:42 to
```

```
622 : E at: 42
623 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: G at: 42
624 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: H at: 42
625 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: I at: 42
626 Request Message :: Name: C id: 3 status: Requesting
    message sent: C:3:REQUEST:42 to: J at: 42
627 Received Message [ Requesting ] :: Name: C Received
    Message: No message to receive
628 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:43 to
    : B at: 43
629 Send Message :: Name: F id: 6 status:
    AfterCriticalSection message sent: F:6:GO_AHEAD:44 to
    : C at: 44
630 Received Message[ Requesting ]:: Name: A Received
    Message: C:3:REQUEST:42 Received from : C
631
632 Received Message[ Requesting ]:: Name: E Received
    Message: C:3:REQUEST:42 Received from : C
633
634 Received Message[ Requesting ]:: Name: I Received
    Message: F:6:GO_AHEAD:41 Received from : F
635
636 Received Message[ Requesting ]:: Name: H Received
    Message: F:6:GO_AHEAD:37 Received from : F
637 Received Message[ Requesting ]:: Name: D Received
    Message: F:6:GO_AHEAD:39 Received from : F
638
639 Received Message[ Requesting ]:: Name: G Received
    Message: F:6:GO_AHEAD:40 Received from : F
640
641 Received Message[ Requesting ]:: Name: B Received
    Message: C:3:REQUEST:42 Received from : C
642
643
644 H is in Critical State
645 Received Message[ Requesting ]:: Name: C Received
    Message: F:6:GO_AHEAD:44 Received from : F
```

```
646
647 Received Message[ AfterCriticalSection ]:: Name: F
    Received Message: C:3:REQUEST:42 Received from : C
648
649 Received Message[ Requesting ]:: Name: J Received
    Message: F:6:GO_AHEAD:36 Received from : F
650
651 Received Message[ Requesting ]:: Name: E Received
    Message: F:6:GO_AHEAD:42 Received from : F
652
653 Received Message[ Requesting ]:: Name: I Received
    Message: C:3:REQUEST:42 Received from : C
654
655 Received Message[ Requesting ]:: Name: D Received
    Message: C:3:REQUEST:42 Received from : C
656
657 Received Message[ Requesting ]:: Name: G Received
    Message: C:3:REQUEST:42 Received from : C
658
659 Received Message[ Requesting ]:: Name: A Received
    Message: F:6:GO_AHEAD:38 Received from : F
660
661 Received Message[ Requesting ]:: Name: B Received
    Message: F:6:GO_AHEAD:43 Received from : F
662
663 Received Message[ InCriticalSection ]:: Name: H
    Received Message: C:3:REQUEST:42 Received from : C
664
665 Received Message [ Requesting ] :: Name: C Received
    Message: No message to receive
666 Received Message [ AfterCriticalSection ] :: Name: F
    Received Message: No message to receive
667 Received Message[ Requesting ]:: Name: J Received
    Message: C:3:REQUEST:42 Received from : C
668
669
670 Process finished with exit code 130
671
```