```
1 "C:\Program Files\Java\jdk1.8.0 201\bin\java.exe" "-
   javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2018.3.
   1\lib\idea_rt.jar=52482:C:\Program Files\JetBrains\
   IntelliJ IDEA 2018.3.1\bin" -Dfile.encoding=UTF-8 -
   classpath "C:\Program Files\Java\jdk1.8.0_201\jre\lib\
   charsets.jar;C:\Program Files\Java\jdk1.8.0 201\jre\lib\
   deploy.jar;C:\Program Files\Java\jdk1.8.0 201\jre\lib\ext\
   access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0_201\
   jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.
   0 201\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.
   0_201\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8
   .0 201\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.
   0_201\jre\lib\ext\localedata.jar;C:\Program Files\Java\
   jdk1.8.0_201\jre\lib\ext\nashorn.jar;C:\Program Files\Java
   \jdk1.8.0 201\jre\lib\ext\sunec.jar;C:\Program Files\Java\
   jdk1.8.0 201\jre\lib\ext\sunjce provider.jar;C:\Program
   Files\Java\jdk1.8.0_201\jre\lib\ext\sunmscapi.jar;C:\
   Program Files\Java\jdk1.8.0_201\jre\lib\ext\sunpkcs11.jar;
   C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\zipfs.jar;C
   :\Program Files\Java\jdk1.8.0 201\jre\lib\javaws.jar;C:\
   Program Files\Java\jdk1.8.0_201\jre\lib\jce.jar;C:\Program
    Files\Java\jdk1.8.0_201\jre\lib\jfr.jar;C:\Program Files\
   Java\jdk1.8.0_201\jre\lib\jfxswt.jar;C:\Program Files\Java
   \jdk1.8.0_201\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.
   8.0 201\jre\lib\management-agent.jar;C:\Program Files\Java
   \jdk1.8.0_201\jre\lib\plugin.jar;C:\Program Files\Java\
   jdk1.8.0_201\jre\lib\resources.jar;C:\Program Files\Java\
   jdk1.8.0 201\jre\lib\rt.jar;C:\Users\osaht\workspace\
   School-Projects\Java Projects\Mutual Exclusion task 2\
   target\classes" threads.BlockManager
2 Main thread starts executing.
 3 Initial value of top = 3.
4 Initial value of stack top = d.
5 Main thread will now fork several threads.
 6 main(): Three AcquireBlock threads have been created.
7 main(): Three ReleaseBlock threads have been created.
8 main(): CharStackProber threads have been created: 4
9 main(): All the threads are ready.
10 value of sephamore = -9
11 AcquireBlock thread [TID=1] starts executing.
12 threads.BlockManager$AcquireBlock thread [TID=1] starts
   PHASE I.
13 Some stats info in the PHASE I:
       iTID = 1, siNextTID = 11, siTurn = 1.
14
       Their "checksum": 1111
15
16 threads.BlockManager$AcquireBlock thread [TID=1] finishes
   PHASE I.
17 AcquireBlock thread [TID=1] requests Ms block.
18 AcquireBlock thread [TID=1] has obtained Ms block d from
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18 position 3.
19 Acq[TID=1]: Current value of top = 2.
20 Acq[TID=1]: Current value of stack top = c.
21 threads.BlockManager$AcquireBlock thread [TID=1] starts
   PHASE II.
22 Some stats info in the PHASE II:
23
       iTID = 1, siNextTID = 11, siTurn = 1.
24
       Their "checksum": 1111
25 threads.BlockManager$AcquireBlock thread [TID=1] finishes
   PHASE II.
26 AcquireBlock thread [TID=1] terminates.
27 threads.BlockManager$CharStackProber thread [TID=7] starts
    PHASE I.
28 Some stats info in the PHASE I:
       iTID = 7, siNextTID = 11, siTurn = 1.
       Their "checksum": 1171
30
31 threads.BlockManager$CharStackProber thread [TID=7]
  finishes PHASE I.
32 Stack Prober [TID=7]: Stack state: [a][b](c)[*][*][*].
33 Stack Prober [TID=7]: Stack state: [a][b](c)[*][*][*].
34 Stack Prober [TID=7]: Stack state: [a][b](c)[*][*][*].
35 Stack Prober [TID=7]: Stack state: [a][b](c)[*][*][*].
36 Stack Prober [TID=7]: Stack state: [a][b](c)[*][*][*].
37 threads.BlockManager$CharStackProber thread [TID=7] starts
    PHASE II.
38 Some stats info in the PHASE II:
39
       iTID = 7, siNextTID = 11, siTurn = 1.
       Their "checksum": 1171
40
41 threads.BlockManager$CharStackProber thread [TID=7]
   finishes PHASE II.
42 ReleaseBlock thread [TID=4] starts executing.
43 threads.BlockManager$CharStackProber thread [TID=8] starts
    PHASE I.
44 threads.BlockManager$ReleaseBlock thread [TID=4] starts
   PHASE I.
45 Some stats info in the PHASE I:
       iTID = 4, siNextTID = 11, siTurn = 1.
47
       Their "checksum": 1141
48 threads.BlockManager$ReleaseBlock thread [TID=4] finishes
   PHASE I.
49 ReleaseBlock thread [TID=4] returns Ms block d to position
50 d has been successfully added to the stack
51 Rel[TID=4]: Current value of top = 3.
52 Rel[TID=4]: Current value of stack top = d.
53 threads.BlockManager$ReleaseBlock thread [TID=4] starts
   PHASE II.
54 Some stats info in the PHASE II:
55
       iTID = 4, siNextTID = 11, siTurn = 1.
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Their "checksum": 1141
57 Some stats info in the PHASE I:
       iTID = 8, siNextTID = 11, siTurn = 1.
58
       Their "checksum": 1181
59
60 threads.BlockManager$CharStackProber thread [TID=8]
   finishes PHASE I.
61 Stack Prober [TID=8]: Stack state: [a][b][c](d)[*][*].
62 Stack Prober [TID=8]: Stack state: [a][b][c](d)[*][*].
63 Stack Prober [TID=8]: Stack state: [a][b][c](d)[*][*].
64 Stack Prober [TID=8]: Stack state: [a][b][c](d)[*][*].
65 Stack Prober [TID=8]: Stack state: [a][b][c](d)[*][*].
66 threads.BlockManager$CharStackProber thread [TID=8]
   starts PHASE II.
67 Some stats info in the PHASE II:
       iTID = 8, siNextTID = 11, siTurn = 1.
68
       Their "checksum": 1181
69
70 threads.BlockManager$CharStackProber thread [TID=8]
   finishes PHASE II.
71 threads.BlockManager$ReleaseBlock thread [TID=4] finishes
    PHASE II.
72 ReleaseBlock thread [TID=4] terminates.
73 AcquireBlock thread [TID=2] starts executing.
74 threads.BlockManager$AcquireBlock thread [TID=2] starts
   PHASE I.
75 Some stats info in the PHASE I:
       iTID = 2, siNextTID = 11, siTurn = 1.
77
       Their "checksum": 1121
78 threads.BlockManager$AcquireBlock thread [TID=2] finishes
    PHASE I.
79 AcquireBlock thread [TID=2] requests Ms block.
80 AcquireBlock thread [TID=2] has obtained Ms block d from
   position 3.
81 Acq[TID=2]: Current value of top = 2.
82 Acg[TID=2]: Current value of stack top = c.
83 threads.BlockManager$AcquireBlock thread [TID=2] starts
   PHASE II.
84 Some stats info in the PHASE II:
       iTID = 2, siNextTID = 11, siTurn = 1.
85
       Their "checksum": 1121
87 threads.BlockManager$AcquireBlock thread [TID=2] finishes
    PHASE II.
88 AcquireBlock thread [TID=2] terminates.
89 threads.BlockManager$CharStackProber thread [TID=9]
   starts PHASE I.
90 Some stats info in the PHASE I:
       iTID = 9, siNextTID = 11, siTurn = 1.
91
       Their "checksum": 1191
92
93 threads.BlockManager$CharStackProber thread [TID=9]
   finishes PHASE I.
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94 Stack Prober [TID=9]: Stack state: [a][b](c)[*][*][*].
95 Stack Prober [TID=9]: Stack state: [a][b](c)[*][*][*].
96 Stack Prober [TID=9]: Stack state: [a][b](c)[*][*][*].
97 Stack Prober [TID=9]: Stack state: [a][b](c)[*][*][*].
98 Stack Prober [TID=9]: Stack state: [a][b](c)[*][*][*].
99 threads.BlockManager$CharStackProber thread [TID=9]
    starts PHASE II.
100 Some stats info in the PHASE II:
        iTID = 9, siNextTID = 11, siTurn = 1.
102
        Their "checksum": 1191
103 threads.BlockManager$CharStackProber thread [TID=9]
    finishes PHASE II.
104 ReleaseBlock thread [TID=5] starts executing.
105 threads.BlockManager$ReleaseBlock thread [TID=5] starts
    PHASE I.
106 Some stats info in the PHASE I:
        iTID = 5, siNextTID = 11, siTurn = 1.
107
108
        Their "checksum": 1151
109 threads.BlockManager$ReleaseBlock thread [TID=5] finishes
     PHASE I.
110 ReleaseBlock thread [TID=5] returns Ms block d to
    position 3.
111 d has been successfully added to the stack
112 Rel[TID=5]: Current value of top = 3.
113 Rel[TID=5]: Current value of stack top = d.
114 threads.BlockManager$ReleaseBlock thread [TID=5] starts
    PHASE II.
115 Some stats info in the PHASE II:
        iTID = 5, siNextTID = 11, siTurn = 1.
116
        Their "checksum": 1151
117
118 threads.BlockManager$ReleaseBlock thread [TID=5] finishes
     PHASE II.
119 threads.BlockManager$CharStackProber thread [TID=10]
    starts PHASE I.
120 ReleaseBlock thread [TID=5] terminates.
121 Some stats info in the PHASE I:
122
        iTID = 10, siNextTID = 11, siTurn = 1.
123
        Their "checksum": 1201
124 threads.BlockManager$CharStackProber thread [TID=10]
    finishes PHASE I.
125 Stack Prober [TID=10]: Stack state: [a][b][c]ReleaseBlock
     thread [TID=6] starts executing.
126 threads.BlockManager$ReleaseBlock thread [TID=6] starts
    PHASE I.
127 Some stats info in the PHASE I:
128
        iTID = 6, siNextTID = 11, siTurn = 1.
        Their "checksum": 1161
129
130 threads.BlockManager$ReleaseBlock thread [TID=6] finishes
     PHASE I.
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131 ReleaseBlock thread [TID=6] returns Ms block e to
    position 4.
132 e has been successfully added to the stack
133 Rel[TID=6]: Current value of top = 4.
134 Rel[TID=6]: Current value of stack top = e.
135 threads.BlockManager$ReleaseBlock thread [TID=6] starts
    PHASE II.
136 Some stats info in the PHASE II:
        iTID = 6, siNextTID = 11, siTurn = 1.
        Their "checksum": 1161
138
139 threads.BlockManager$ReleaseBlock thread [TID=6] finishes
     PHASE II.
140 ReleaseBlock thread [TID=6] terminates.
141 (d)(e)[*].
142 Stack Prober [TID=10]: Stack state: [a][b][c][d](e)[*].
143 Stack Prober [TID=10]: Stack state: [a][b][c][d](e)[*].
144 Stack Prober [TID=10]: Stack state: [a][b][c][d](e)[*].
145 Stack Prober [TID=10]: Stack state: [a][b][c][d](e)[*].
146 threads.BlockManager$CharStackProber thread [TID=10]
    starts PHASE II.
147 Some stats info in the PHASE II:
        iTID = 10, siNextTID = 11, siTurn = 1.
148
        Their "checksum": 1201
149
150 threads.BlockManager$CharStackProber thread [TID=10]
    finishes PHASE II.
151 AcquireBlock thread [TID=3] starts executing.
152 threads.BlockManager$AcquireBlock thread [TID=3] starts
    PHASE I.
153 Some stats info in the PHASE I:
        iTID = 3, siNextTID = 11, siTurn = 1.
154
        Their "checksum": 1131
155
156 threads.BlockManager$AcquireBlock thread [TID=3] finishes
     PHASE I.
157 AcquireBlock thread [TID=3] requests Ms block.
158 AcquireBlock thread [TID=3] has obtained Ms block e from
    position 4.
159 Acq[TID=3]: Current value of top = 3.
160 Acg[TID=3]: Current value of stack top = d.
161 threads.BlockManager$AcquireBlock thread [TID=3] starts
    PHASE II.
162 Some stats info in the PHASE II:
163
        iTID = 3, siNextTID = 11, siTurn = 1.
        Their "checksum": 1131
164
165 threads.BlockManager$AcquireBlock thread [TID=3] finishes
     PHASE II.
166 AcquireBlock thread [TID=3] terminates.
167 System terminates normally.
168 Final value of top = 3.
169 Final value of stack top = d.
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	ockwanager (3)
170	Final value of stack top-1 = c.
171	Stack access count = 138
172	200
172	Dracace finished with exit cade A
	Process finished with exit code 0
174	