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1 C:\Users\kautu\AppData\Local\Programs\AdoptOpenJDK\
  bin\java.exe "-javaagent:C:\Program Files\JetBrains\
  IntelliJ IDEA Community Edition 2020.2\lib\idea_rt.
  jar=60728:C:\Program Files\JetBrains\IntelliJ IDEA
  Community Edition 2020.2\bin" -Dfile.encoding=UTF-8 -
  classpath D:\this\CA\al\myjava\out\production\myjava
  Test
2
3 Memory before operations...
4 Line 0: 0000000010000000000101000000110000000000110
5 Line 1: 0000111000000000000011000000001000000000101
6 Line 2: 0000010100000000000110001000010000000000111
7 Line 3: 1111111100000000000000001000010000000000111
8 Line 4: 1111111100000000000000000000000000000000000
9 Line 5: 00000000000000000000000000000000000000001111
10 Line 6: 0000000000000000000000000000000000000000101
11 Line 7: 000000000000000000000000000000000000000000
12
13 IBR is empty
14 Address of PC = 000000000000
15 Address of MAR = 000000000000
16 Address of MBR =
  00000000100000000001010000001100000000000110
17 Address of IBR = 0000011000000000000110
18 Address of IR = 00000001
19 Address of MAR = 000000000101
20 PC incremented to 000000000001 (1)
21 The instruction is 00000001
22 LOAD MX: AC <-- M[X]
23 Contents of AC before op = empty
24 Contents of AC after op =
  000000000000000000000000000000000000000001111 (15)
25 IBR is not empty
26 Address of IR = 00000110
27 Address of MAR = 000000000110
28 The instruction is 00000110
29 SUB M[X]
30 Contents of M[X] =
  00000000000000000000000000000000000000000101 (5)
31 Contents of AC before op =
  000000000000000000000000000000000000000001111 (15)
32 Contents of AC after op =
  000000000000000000000000000000000000000001010 (10)
33 IBR is empty

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34 Address of PC = 000000000001
35 Address of MAR = 000000000001
36 Address of MBR =
   000011100000000000011000000001000000000101
37 Address of IBR = 00000001000000000101
38 Address of IR = 00001110
39 Address of MAR = 0000000000011
40 PC incremented to 000000000010 (2)
41 The instruction is 00001110
42 JUMP M(X, 20:39)
43 PC changed to 000000000100 (4)
44 IBR is not empty
45 Address of IR = 00100001
46 Address of MAR = 000000000111
47 The instruction is 00100001
48 STOR MX: M[X] <-- AC
49 Contents of AC =
   00000000000000000000000000000000000001010 (10)
50 Contents of M[X] before op =
   0000000000000000000000000000000000000000 (0)
51 Contents of M[X] after op =
   00000000000000000000000000000000000001010 (10)
52 IBR is empty
53 Address of PC = 000000000100
54 Address of MAR = 000000000100
55 Address of MBR =
   1111111100000000000000000000000000000000
56 Address of IBR = 000000000000000000000000
57 Address of IR = 11111111
58 Address of MAR = 000000000000
59 PC incremented to 000000000101 (5)
60 The instruction is 11111111
61 Halting now, bye!
62
63 Memory after operations...
64 Line 0: 0000000100000000010100000110000000000110
65 Line 1: 0000111000000000000110000000100000000101
66 Line 2: 0000010100000000001100010000100000000111
67 Line 3: 11111111000000000000000010000100000000111
68 Line 4: 1111111100000000000000000000000000000000
69 Line 5: 0000000000000000000000000000000000000111
70 Line 6: 0000000000000000000000000000000000000101
71 Line 7: 00000000000000000000000000000000000001010
72

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73 Process finished with exit code 0
74
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