```
  1 "C:\Users\Daru\AppData\Local\Programs\Eclipse
    Adoptium\jdk-17.0.1.12-hotspot\bin\java.exe" "-
    javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
    Community Edition 2021.3.2\lib\idea_rt.jar=53486:C:\
    Program Files\JetBrains\IntelliJ IDEA Community
    Edition 2021.3.2\bin" -Dfile.encoding=UTF-8 -
    classpath "C:\Users\Daru\Documents\Intellij\CPE 315 (
    Computer Architecture)\lab04\out\production\lab04"
    lab4 lab4_test2.asm lab4_test2.script - -
  2
  3 pc       if/id  id/exe  exe/mem  mem/wb
  4 0        empty  empty   empty    empty
  5
  6 mips> s
  7
  8 pc       if/id  id/exe  exe/mem  mem/wb
  9 1        j      empty   empty    empty
 10
 11 mips> s
 12
 13 pc       if/id  id/exe  exe/mem  mem/wb
 14 2        squash j       empty    empty
 15
 16 mips> s
 17
 18 pc       if/id  id/exe  exe/mem  mem/wb
 19 2        addi   squash  j        empty
 20
 21 mips> s
 22
 23 pc       if/id  id/exe  exe/mem  mem/wb
 24 3        addi   addi    squash   j
 25
 26 mips> s
 27
 28 pc       if/id  id/exe  exe/mem  mem/wb
 29 4        addi   addi    addi     squash
 30
 31 mips> s
 32
 33 pc       if/id  id/exe  exe/mem  mem/wb
```

```
34 5          beq     addi     addi      addi
35
36 mips> s
37
38 pc         if/id   id/exe   exe/mem   mem/wb
39 6          addi    beq      addi      addi
40
41 mips> s
42
43 pc         if/id   id/exe   exe/mem   mem/wb
44 7          beq     addi     beq       addi
45
46 mips> s
47
48 pc         if/id   id/exe   exe/mem   mem/wb
49 8          lw      beq      addi      beq
50
51 mips> s
52
53 pc         if/id   id/exe   exe/mem   mem/wb
54 9          lw      lw       beq       addi
55
56 mips> s
57
58 pc         if/id   id/exe   exe/mem   mem/wb
59 10         squash  squash   squash    beq
60
61 mips> s
62
63 pc         if/id   id/exe   exe/mem   mem/wb
64 11         add     squash   squash    squash
65
66 mips> s
67
68 pc         if/id   id/exe   exe/mem   mem/wb
69 12         add     add      squash    squash
70
71 mips> r
72
73 Program complete
74 CPI = 1.21        Cycles = 17        Instructions = 14
```

```
74
75
76 mips> q
77
78 Process finished with exit code 0
79
```