1 /Library/Java/JavaVirtualMachines/jdk1.8.0 144.jdk/Contents /Home/bin/java "-javaagent:/Applications/IntelliJ IDEA.app/ Contents/lib/idea rt.jar=52062:/Applications/IntelliJ IDEA. app/Contents/bin" -Dfile.encoding=UTF-8 -classpath /Library /Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/ jre/lib/charsets.jar:/Library/Java/JavaVirtualMachines/jdk1 .8.0 144.jdk/Contents/Home/jre/lib/deploy.jar:/Library/Java /JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib /ext/cldrdata.jar:/Library/Java/JavaVirtualMachines/jdk1.8. 0 144.jdk/Contents/Home/jre/lib/ext/dnsns.jar:/Library/Java /JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib /ext/jaccess.jar:/Library/Java/JavaVirtualMachines/jdk1.8. 0\_144.jdk/Contents/Home/jre/lib/ext/jfxrt.jar:/Library/Java /JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib /ext/localedata.jar:/Library/Java/JavaVirtualMachines/jdk1. 8.0\_144.jdk/Contents/Home/jre/lib/ext/nashorn.jar:/Library/ Java/JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre /lib/ext/sunec.jar:/Library/Java/JavaVirtualMachines/jdk1.8 .0 144.jdk/Contents/Home/jre/lib/ext/sunjce provider.jar:/ Library/Java/JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/ Home/jre/lib/ext/sunpkcs11.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib/ ext/zipfs.jar:/Library/Java/JavaVirtualMachines/jdk1.8. 0\_144.jdk/Contents/Home/jre/lib/javaws.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib/ jce.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/ Contents/Home/jre/lib/jfr.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/jre/lib/ jfxswt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0 144. jdk/Contents/Home/jre/lib/jsse.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ management-agent.jar:/Library/Java/JavaVirtualMachines/jdk1 .8.0 144.jdk/Contents/Home/jre/lib/plugin.jar:/Library/Java /JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib /resources.jar:/Library/Java/JavaVirtualMachines/idk1.8. 0 144.jdk/Contents/Home/jre/lib/rt.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/antjavafx.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0 144. idk/Contents/Home/lib/dt.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/lib/ javafx-mx.jar:/Library/Java/JavaVirtualMachines/jdk1.8. 0\_144.jdk/Contents/Home/lib/jconsole.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/lib/ packager.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0 144 .jdk/Contents/Home/lib/sa-jdi.jar:/Library/Java/ JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/Home/lib/ tools.jar:/Users/sidmishraw/Google Drive Folder/ scala\_projects/BoolLang1/target/scala-2.12/classes:/Users/ sidmishraw/.sbt/boot/scala-2.12.3/lib/scala-library.jar whilelang.WhilelangDriver

```
2 objc[1906]: Class JavaLaunchHelper is implemented in both /
   Library/Java/JavaVirtualMachines/jdk1.8.0 144.jdk/Contents/
   Home/bin/java (0x10eac84c0) and /Library/Java/
   JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/jre/lib/
   libinstrument.dylib (0x10eb904e0). One of the two will be
   used. Which one is undefined.
4 SHOW :: myVar := 5; kk := 1; while(myVar > 0) kk := kk + 1
   ; myVar := myVar - 1; kk
6 Intermediate step :: myVar := 5; kk := 1; while(myVar > 0)
  kk := kk + 1; myVar := myVar - 1; kk
7 Intermediate step :: 5; kk := 1; while(myVar > 0) kk := kk
    + 1; myVar := myVar - 1; kk
8 Intermediate step :: kk := 1; while(myVar > 0) kk := kk + 1
   ; myVar := myVar - 1; kk
9 Intermediate step :: 1; while(myVar > 0) kk := kk + 1;
  myVar := myVar - 1; kk
10 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar
    := myVar - 1; kk
11 Intermediate step :: if myVar > 0 then kk := kk + 1; myVar
    := myVar - 1; while(myVar > 0) kk := kk + 1; myVar :=
   myVar - 1 else False; kk
12 Intermediate step :: if 5 > 0 then kk := kk + 1; myVar :=
  myVar - 1; while(myVar > 0) kk := kk + 1; myVar := myVar -
   1 else False; kk
13 Intermediate step :: if True then kk := kk + 1; myVar :=
   myVar - 1; while(myVar > 0) kk := kk + 1; myVar := myVar -
   1 else False; kk
14 Intermediate step :: kk := kk + 1; myVar := myVar - 1;
  while(myVar > 0) kk := kk + 1; myVar := myVar - 1; kk
15 Intermediate step :: kk := 1 + 1; myVar := myVar - 1; while
   (myVar > 0) kk := kk + 1; myVar := myVar - 1; kk
16 Intermediate step :: kk := 2; myVar := myVar - 1; while(
   myVar > 0) kk := kk + 1; myVar := myVar - 1; kk
17 Intermediate step :: 2; myVar := myVar - 1; while(myVar > 0
   ) kk := kk + 1; myVar := myVar - 1; kk
18 Intermediate step :: myVar := myVar - 1; while(myVar > 0)
   kk := kk + 1; myVar := myVar - 1; kk
19 Intermediate step :: myVar := 5 - 1; while(myVar > 0) kk
    := kk + 1; myVar := myVar - 1; kk
20 Intermediate step :: myVar := 4; while(myVar > 0) kk := kk
    + 1; myVar := myVar - 1; kk
21 Intermediate step :: 4; while(myVar > 0) kk := kk + 1;
   myVar := myVar - 1; kk
22 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar
    := myVar - 1; kk
23 Intermediate step :: if myVar > 0 then kk := kk + 1; myVar
    := myVar - 1; while(myVar > 0) kk := kk + 1; myVar :=
   myVar - 1 else False; kk
```

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24 Intermediate step :: if 4 > 0 then kk := kk + 1; myVar := myVar - 1; while(myVar > 0) kk := kk + 1; myVar := myVar - 1 else False; kk
```

- 25 Intermediate step :: if True then kk := kk + 1; myVar :=
   myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 26 Intermediate step :: kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 27 Intermediate step :: kk := 2 + 1; myVar := myVar 1; while (myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 28 Intermediate step :: kk := 3; myVar := myVar 1; while(
  myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 29 Intermediate step :: 3; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 30 Intermediate step :: myVar := myVar 1; while(myVar > 0)
   kk := kk + 1; myVar := myVar 1; kk
- 31 Intermediate step :: myVar := 4 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 32 Intermediate step :: myVar := 3; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 33 Intermediate step :: 3; while(myVar > 0) kk := kk + 1;
   myVar := myVar 1; kk
- 34 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 36 Intermediate step :: if 3 > 0 then kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 37 Intermediate step :: if True then kk := kk + 1; myVar :=
   myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 38 Intermediate step :: kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 39 Intermediate step :: kk := 3 + 1; myVar := myVar 1; while (myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 40 Intermediate step :: kk := 4; myVar := myVar 1; while(
  myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 41 Intermediate step :: 4; myVar := myVar 1; while(myVar > 0 ) kk := kk + 1; myVar := myVar 1; kk
- 42 Intermediate step :: myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 43 Intermediate step :: myVar := 3 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 44 Intermediate step :: myVar := 2; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 45 Intermediate step :: 2; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 46 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar

- 46 := myVar 1; kk
- 47 Intermediate step :: if myVar > 0 then kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 48 Intermediate step :: if 2 > 0 then kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 49 Intermediate step :: if True then kk := kk + 1; myVar :=
   myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 50 Intermediate step :: kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 51 Intermediate step :: kk := 4 + 1; myVar := myVar 1; while (myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 52 Intermediate step :: kk := 5; myVar := myVar 1; while(
  myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 53 Intermediate step :: 5; myVar := myVar − 1; while(myVar > 0
   ) kk := kk + 1; myVar := myVar − 1; kk
- 54 Intermediate step :: myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 55 Intermediate step :: myVar := 2 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 57 Intermediate step :: 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 58 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 60 Intermediate step :: if 1 > 0 then kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 61 Intermediate step :: if True then kk := kk + 1; myVar :=
   myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1 else False; kk
- 62 Intermediate step :: kk := kk + 1; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 63 Intermediate step :: kk := 5 + 1; myVar := myVar 1; while (myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 64 Intermediate step :: kk := 6; myVar := myVar 1; while(
  myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 65 Intermediate step :: 6; myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 66 Intermediate step :: myVar := myVar 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 67 Intermediate step :: myVar := 1 1; while(myVar > 0) kk := kk + 1; myVar := myVar 1; kk
- 68 Intermediate step :: myVar := 0; while(myVar > 0) kk := kk

```
File - unknown
    + 1; myVar := myVar - 1; kk
 69 Intermediate step :: 0; while(myVar > 0) kk := kk + 1;
    myVar := myVar - 1; kk
 70 Intermediate step :: while(myVar > 0) kk := kk + 1; myVar
     := myVar - 1; kk
 71 Intermediate step :: if myVar > 0 then kk := kk + 1; myVar
     := myVar - 1; while(myVar > 0) kk := kk + 1; myVar :=
    myVar - 1 else False; kk
 72 Intermediate step :: if 0 > 0 then kk := kk + 1; myVar :=
    myVar - 1; while(myVar > 0) kk := kk + 1; myVar := myVar
     - 1 else False; kk
 73 Intermediate step :: if False then kk := kk + 1; myVar :=
    myVar - 1; while(myVar > 0) kk := kk + 1; myVar := myVar
     - 1 else False: kk
 74 Intermediate step :: False; kk
 75 Intermediate step :: kk
 76 Result prog1 :: 6
 77 -----
 79 SHOW :: a := 5; a + 10
 81 Intermediate step :: a := 5; a + 10
 82 Intermediate step :: 5; a + 10
 83 Intermediate step :: a + 10
 84 Intermediate step :: 5 + 10
 85 Result prog2 :: 15
 87
 88 Process finished with exit code 0
 89
```