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2/12/2022 HW 4

## Report

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Output:

```
-bash-4.2$ ./test.sh
python3 -m py_compile while-ss.py
✓ easy-1
✓ easy-2
✓ easy-3
✓ easy-4
✓ easy-5
✓ easy-6
✓ easy-7
✓ easy-8
✓ easy-9
✓ easy-10
✓ easy-12
✓ easy-13
✓ easy-14
✓ easy-15
✓ easy-16
✓ easy-17
✓ hard-1
✓ hard-2
✓ hard-3
✓ hard-4
✓ hard-5
✓ hard-6
✓ hard-7
✓ hard-8
✓ hard-9
✓ hard-10
✓ hard-11
✓ hard-12
✓ hard-13
✓ hard-14
✓ hard-15
✓ hard-16
✓ hard-17
✓ hard-18
✓ hard-19
✓ hard-20
✓ medium-1
✓ medium-2
✓ medium-3
✓ medium-4
✓ medium-5
```

```

✓ medium-5
✓ medium-6
X medium-7
  (from function `check' in file tests/harness.bash, line 6,
   in test file tests/medium.bats, line 1624)
   `check 'while false do x := 1 ; if true then y := 1 else z := 1' '= skip; if true then { y := 1 } else { z := 1 }, {}' failed
while false do x := 1 ; if true then y := 1 else z := 1 = = skip; if true then { y := 1 } else { z := 1 }, {}
= if true then { y := 1 } else { z := 1 }, {}
= y := 1, {}
= skip, {y + 1}, your code outputs = skip, {}
X medium-8
  (from function `check' in file tests/harness.bash, line 6,
   in test file tests/medium.bats, line 1631)
   `check 'while false do x := 1 ; y := 1' '= skip; y := 1, {}' failed
while false do x := 1 ; y := 1 = = skip; y := 1, {}
= y := 1, {}
= skip, {y + 1}, your code outputs = skip, {}
✓ medium-9
✓ medium-10
✓ owntest-1
✓ owntest-2
✓ owntest-3
✓ owntest-4
✓ owntest-5

51 tests, 2 failures
-bash-4.2$

```

As you can see, 49 out of the 51 tests from the testing script are passed. The last 5 tests are my own and are all passed. The 2 tests failed are medium-tests which have a weight of 2 points each for a total deduction of 4 points.