

hist(a c d b a d) = 2 2 2 1 2 2 (✗)
hist(a b d d a a) = 3 1 2 2 3 3 (✓)

hist(a c d b a d) = 6 6 6 6 6 6 (✗)
hist(a b d d a a) = 6 6 6 6 6 6 (✗)

Correctness Loss

14.4
12.8
11.2
9.6
8.0
6.4
4.8
3.2
1.6
0.0

Repair Trajectory
✗ Buggy Program
● Repaired Program

hist(a c d b a d) = 2 2 2 1 2 2 (✗)
hist(a b d d a a) = 3 1 2 2 3 3 (✓)

hist(a c d b a d) = 2 1 3 1 2 3 (✗)
hist(a b d d a a) = 3 1 3 3 3 3 (✗)