

hist(c d d a a c) = 2 2 2 2 2 2 (✓)
hist(a c d b a d) = 2 1 2 1 2 2 (✓)
hist(b c d c c c) = 1 5 1 4 4 5 (✗)

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

hist(c d d a a c) = 2 2 2 2 2 2 (✓)
hist(a c d b a d) = 2 1 2 1 2 2 (✓)
hist(b c d c c c) = 1 4 1 4 4 4 (✓)

hist(c d d a a c) = 0 0 0 0 0 0 (✗)
hist(a c d b a d) = 0 0 0 0 0 0 (✗)
hist(b c d c c c) = 0 0 0 0 0 0 (✗)

Repair Trajectory
✗ Buggy Program
● Repaired Program

Correctness Loss

14.4
12.8
11.2
9.6
8.0
6.4
4.8
3.2
1.6