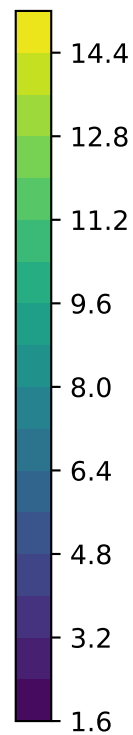


Correctness Loss



- Repair Trajectory
- Buggy Program
- Repaired Program

hist(a c d b a d) = 2 2 2 2 2 2 (X)
hist(a b d d a a) = 2 2 2 2 2 2 (X)

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

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

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