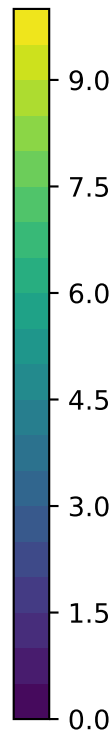


sort(4 5 6 1 3 2) = 1 1 2 3 1 4 (X)
sort(3 3 5 1 2 2) = 2 2 2 5 2 3 (X)
sort(2 2 1 3 1 2) = 2 2 1 2 2 2 (X)

sort(4 5 6 1 3 2) = 1 2 3 4 5 6 (✓)
sort(3 3 5 1 2 2) = 1 2 2 3 3 5 (✓)
sort(2 2 1 3 1 2) = 1 1 2 2 2 3 (✓)

Correctness Loss



— Repair Trajectory
✗ Buggy Program
● Repaired Program

sort(4 5 6 1 3 2) = 1 2 3 4 5 6 (✓)
sort(3 3 5 1 2 2) = 1 2 2 2 3 5 (X)
sort(2 2 1 3 1 2) = 1 1 2 2 2 2 (X)

sort(4 5 6 1 3 2) = 1 2 3 4 5 6 (✓)
sort(3 3 5 1 2 2) = 1 2 2 3 3 5 (✓)
sort(2 2 1 3 1 2) = 1 1 2 2 2 2 (X)