

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

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

Repair Trajectory
Buggy Program
Repaired Program

Correctness Loss

9.0
7.5
6.0
4.5
3.0
1.5
0.0

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

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