

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

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

Repair Trajectory
Buggy Program
Repaired Program

Correctness Loss

9.0
7.5
6.0
4.5
3.0
1.5
0.0

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

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