

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

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

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