

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(1 6 4 1 1 2) = 1 1 1 2 4 6 (✓)

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

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

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 (✗)
sort(1 6 4 1 1 2) = 1 1 2 2 3 6 (✗)