

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

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