

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

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

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 (✓)
sort(6 6 1 6 6 6) = 4 6 6 6 6 6 (X)