

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

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

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

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