

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

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

— Repair Trajectory
✗ Buggy Program
● Repaired Program

Correctness Loss

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

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

9.0
7.5
6.0
4.5
3.0
1.5
0.0