

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

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

Correctness Loss

9.5

8.5

7.5

6.5

5.5

4.5

3.5

2.5

1.5

0.5

Repair Trajectory
✗ Buggy Program
● Repaired Program

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

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