

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(5 5 3 2 1 4) = 1 2 3 4 5 6 (✗)

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

— Repair Trajectory
✗ Buggy Program
● Repaired Program

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(5 5 3 2 1 4) = 1 2 3 4 5 5 (✓)

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

Correctness Loss

9.0

7.5

6.0

4.5

3.0

1.5

0.0