

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

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