

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(6 6 1 6 6 6) = 1 6 6 6 6 6 (✓)

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

— Repair Trajectory  
✗ 1 Buggy Program  
● 2 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(6 6 1 6 6 6) = 1 4 6 6 6 6 (✗)

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