

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

sort(5 1 5 3 4 3) = 1 3 3 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 (✓)

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

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