

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

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

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