

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

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(6 1 5 6 5 6) = 1 5 5 6 6 6 (✓)

— Repair Trajectory  
✗ Buggy Program  
● Repaired Program

Correctness Loss

9.0  
7.5  
6.0  
4.5  
3.0  
1.5  
0.0

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

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