

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

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

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