

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(4 4 1 3 3 2) = 1 3 3 3 4 4 (✗)

— Repair Trajectory  
✗ Buggy Program  
● Repaired Program

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

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(4 4 1 3 3 2) = 1 2 3 3 4 4 (✓)

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

Correctness Loss

