

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 6 2 6 1 6) = 1 2 5 6 6 6 (✗)

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

— Repair Trajectory  
✗ Buggy Program  
● Repaired Program

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 6 2 6 1 6) = 1 2 6 6 6 6 (✓)

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

Correctness Loss

9.0

7.5

6.0

4.5

3.0

1.5

0.0