

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

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

— Repair Trajectory  
✗ Buggy Program  
● Repaired Program

Correctness Loss

9.0

7.5

6.0

4.5

3.0

1.5

0.0

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

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