

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(3 2 6 4 2 2) = 2 2 2 2 4 6 (✗)

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

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(3 2 6 4 2 2) = 2 2 2 3 4 6 (✓)

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

— Repair Trajectory
✗ Buggy Program
● Repaired Program

Correctness Loss

9.0

7.5

6.0

4.5

3.0

1.5

0.0