

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

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

Repair Trajectory
✗ Buggy Program
● Repaired Program

Correctness Loss

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

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

