

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

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

— Repair Trajectory
✗ Buggy Program
● Repaired Program

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

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

Correctness Loss

