

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 3 6 6 2) = 2 3 5 6 6 6 (X)

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(6 6 3 6 6 2) = 2 3 4 6 6 6 (X)

— 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 3 6 6 2) = 2 3 6 6 6 6 (✓)

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

Correctness Loss

