# 1509. Minimum Difference Between Largest and Smallest Value in Three Moves

## SOLUTION IN JAVA

class Solution {

public int minDifference(int[] nums) {

final int n = nums.length;

if (n < 5)

return 0;

int ans = Integer.MAX\_VALUE;

Arrays.sort(nums);

// 1. Change nums[0..i) to nums[i].

// 2. Change nums[n - 3 + i..n) to nums[n - 4 + i].

for (int i = 0; i <= 3; ++i)

ans = Math.min(ans, nums[n - 4 + i] - nums[i]);

return ans;

}

}