Problem 462: Minimum Moves to Equal Array Elements II

Problem Information

Difficulty: Medium
Acceptance Rate: 61.32%
Paid Only: No
Tags: Array, Math, Sorting

Problem Description

Given an integer array `nums` of size `n`, return _the minimum number of moves required to make all array elements equal_.

In one move, you can increment or decrement an element of the array by `1`.

Test cases are designed so that the answer will fit in a **32-bit** integer.

Example 1:

Input: nums = [1,2,3] **Output:** 2 **Explanation:** Only two moves are needed (remember each move increments or decrements one element): [_1_ ,2,3] => [2,2,_3_] => [2,2,2]

Example 2:

Input: nums = [1,10,2,9] **Output:** 16

Constraints:

* `n == nums.length` * `1 <= nums.length <= 105` * `-109 <= nums[i] <= 109`

Code Snippets

C++:

```
class Solution {
public:
int minMoves2(vector<int>& nums) {

}
};
```

Java:

```
class Solution {
public int minMoves2(int[] nums) {

}
}
```

Python3:

```
class Solution:
def minMoves2(self, nums: List[int]) -> int:
```