Problem 453: Minimum Moves to Equal Array Elements

Problem Information

Difficulty: Medium
Acceptance Rate: 58.29%
Paid Only: No
Tags: Array, Math

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 `n - 1` elements of the array by `1`.

Example 1:

Input: nums = [1,2,3] **Output:** 3 **Explanation:** Only three moves are needed (remember each move increments two elements): [1,2,3] => [2,3,3] => [3,4,3] => [4,4,4]

Example 2:

Input: nums = [1,1,1] **Output:** 0

Constraints:

* `n == nums.length` * `1 <= nums.length <= 105` * `-109 <= nums[i] <= 109` * The answer is guaranteed to fit in a **32-bit** integer.

Code Snippets

C++:

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

}
};
```

Java:

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

}
}
```

Python3:

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