3190. Find Minimum Operations to Make All Elements Divisible by Three

Solved

Easy | Topics | Companies | Hint

You are given an integer array `nums`. In one operation, you can add or subtract 1 from **any** element of `nums`.

Return the **minimum** number of operations to make all elements of `nums` divisible by 3.

Example 1:

> **Input:** `nums = [1,2,3,4]`
>
> **Output:** 3
>
> **Explanation:**
>
> All array elements can be made divisible by 3 using 3 operations:
>
> - Subtract 1 from 1.
> - Add 1 to 2.
> - Subtract 1 from 4.

Example 2:

> **Input:** `nums = [3,6,9]`
>
> **Output:** `0`

Constraints:

- `1 <= nums.length <= 50`
- `1 <= nums[i] <= 50`

Python:

```python
class Solution:
    def minimumOperations(self, nums: List[int]) -> int:
        ans = 0
        for num in nums:
            if num % 3 != 0:
                ans += 1
        return ans
```

JavaScript:

```javascript
/**
 * @param {number[]} nums
 * @return {number}
 */
var minimumOperations = function(nums) {
    let count = 0;
    for (let num of nums) {
        if (num % 3 != 0) {
            count++;
        }
    }
    return count;
};
```

Java:

```java
class Solution {
    public int minimumOperations(int[] nums) {
        int ans = 0;
        for (int i = 0; i < nums.length; i++) {
            if (nums[i] % 3 != 0) {
                ans++;
            }
        }
        return ans;
    }
}
```