

Problem 2455: Average Value of Even Numbers That Are Divisible by Three

Problem Information

Difficulty: Easy

Acceptance Rate: 62.40%

Paid Only: No

Tags: Array, Math

Problem Description

Given an integer array `nums` of **positive** integers, return _the average value of all even integers that are divisible by_ `3` _._

Note that the **average** of `n` elements is the **sum** of the `n` elements divided by `n` and **rounded down** to the nearest integer.

Example 1:

Input: nums = [1,3,6,10,12,15] **Output:** 9 **Explanation:** 6 and 12 are even numbers that are divisible by 3. $(6 + 12) / 2 = 9$.

Example 2:

Input: nums = [1,2,4,7,10] **Output:** 0 **Explanation:** There is no single number that satisfies the requirement, so return 0.

Constraints:

* `1 <= nums.length <= 1000` * `1 <= nums[i] <= 1000`

Code Snippets

C++:

```
class Solution {  
public:  
    int averageValue(vector<int>& nums) {  
  
    }  
};
```

Java:

```
class Solution {  
public int averageValue(int[] nums) {  
  
}  
}
```

Python3:

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