

Problem 1390: Four Divisors

Problem Information

Difficulty: Medium

Acceptance Rate: 45.95%

Paid Only: No

Tags: Array, Math

Problem Description

Given an integer array `nums`, return _the sum of divisors of the integers in that array that have exactly four divisors_. If there is no such integer in the array, return `0`.

Example 1:

Input: nums = [21,4,7] **Output:** 32 **Explanation:** 21 has 4 divisors: 1, 3, 7, 21 4 has 3 divisors: 1, 2, 4 7 has 2 divisors: 1, 7 The answer is the sum of divisors of 21 only.

Example 2:

Input: nums = [21,21] **Output:** 64

Example 3:

Input: nums = [1,2,3,4,5] **Output:** 0

Constraints:

* `1 <= nums.length <= 104` * `1 <= nums[i] <= 105`

Code Snippets

C++:

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

Java:

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

Python3:

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