

# 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:
```