

6889. Sum of Squares of Special Elements

[My Submissions \(/contest/weekly-contest-354/problems/sum-of-squares-of-special-elements/submissions/\)](/contest/weekly-contest-354/problems/sum-of-squares-of-special-elements/submissions/)

[Back to Contest \(/contest/weekly-contest-354/\)](/contest/weekly-contest-354/)

You are given a **1-indexed** integer array `nums` of length `n`.

An element `nums[i]` of `nums` is called **special** if `i` divides `n`, i.e. `n % i == 0`.

Return the **sum of the squares** of all **special** elements of `nums`.

Example 1:

Input: nums = [1,2,3,4]

Output: 21

Explanation: There are exactly 3 special elements in nums: nums[1] since 1 divides 4, nums[2] since 2 divides 4, and nums[3] since 4 divides 4. Hence, the sum of the squares of all special elements of nums is $\text{nums}[1] * \text{nums}[1] + \text{nums}[2] * \text{nums}[2] + \text{nums}[3] * \text{nums}[3]$.

User Accepted: 0

User Tried: 0

Total Accepted: 0

Total Submissions: 0

Difficulty: Easy

Example 2:

Input: nums = [2,7,1,19,18,3]

Output: 63

Explanation: There are exactly 4 special elements in nums: nums[1] since 1 divides 6, nums[2] since 2 divides 6, nums[3] since 3 divides 6, and nums[5] since 5 divides 6. Hence, the sum of the squares of all special elements of nums is $\text{nums}[1] * \text{nums}[1] + \text{nums}[2] * \text{nums}[2] + \text{nums}[3] * \text{nums}[3] + \text{nums}[5] * \text{nums}[5]$.

Constraints:

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

JavaScript



```
1 const sumOfSquares = (a) => {
2   let res = 0, n = a.length;
3   a.map((x, i) => {
4     if (n % (i + 1) == 0) res += x * x;
5   })
6   return res;
7 }
```

☐ Custom Testcase ☒ Use Example Testcases

▶ Run

 Submit

Submission Result: **Accepted** (/submissions/detail/995479817/) ?

[More Details > \(/submissions/detail/995479817/\)](/submissions/detail/995479817/)