

996. Number of Squareful Arrays

Description

An array is **squareful** if the sum of every pair of adjacent elements is a **perfect square**.

Given an integer array `nums`, return *the number of permutations of* `nums` *that are* **squareful**.

Two permutations `perm1` and `perm2` are different if there is some index `i` such that `perm1[i] != perm2[i]`.

Example 1:

Input: `nums = [1,17,8]`

Output: 2

Explanation: `[1,8,17]` and `[17,8,1]` are the valid permutations.

Example 2:

Input: `nums = [2,2,2]`

Output: 1

Constraints:

- `1 <= nums.length <= 12`
- `0 <= nums[i] <= 109`

