Given four integer arrays nums1, nums2, nums3, and nums4 all of length n, return the number of tuples (i, j, k, l) such that:

* 0 <= i, j, k, l < n
* nums1[i] + nums2[j] + nums3[k] + nums4[l] == 0

**Example 1:**

Input: nums1 = [1,2], nums2 = [-2,-1], nums3 = [-1,2], nums4 = [0,2]  
Output: 2  
Explanation:  
The two tuples are:  
1. (0, 0, 0, 1) -> nums1[0] + nums2[0] + nums3[0] + nums4[1] = 1 + (-2) + (-1) + 2 = 0  
2. (1, 1, 0, 0) -> nums1[1] + nums2[1] + nums3[0] + nums4[0] = 2 + (-1) + (-1) + 0 = 0

**Example 2:**

Input: nums1 = [0], nums2 = [0], nums3 = [0], nums4 = [0]  
Output: 1

**Constraints:**

* n == nums1.length
* n == nums2.length
* n == nums3.length
* n == nums4.length
* 1 <= n <= 200
* -228 <= nums1[i], nums2[i], nums3[i], nums4[i] <= 228