454. 4Sum II

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
- -2^{28} <= nums1[i], nums2[i], nums3[i], nums4[i] <= 2^{28}