(/problems ర్థిame-vi/)

6118. Minimum Sum of Squared Difference

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You are given two positive 0-indexed integer arrays $\,nums1\,$ and $\,nums2$, both of length $\,n$.

The **sum of squared difference** of arrays nums1 and nums2 is defined as the **sum** of $(nums1[i] - nums2[i])^2$ for each $0 \le i \le n$.

You are also given two positive integers k1 and k2. You can modify any of the elements of nums1 by +1 or -1 at most k1 times. Similarly, you can modify any of the elements of nums2 by +1 or -1 at most k2 times.

Return the minimum **sum of squared difference** after modifying array nums1 at most k1 times and modifying array nums2 at most k2 times.

Note: You are allowed to modify the array elements to become negative integers.

User Accepted:	2
User Tried:	2
Total Accepted:	2
Total Submissions:	2
Difficulty:	Medium

Example 1:

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Input: nums1 = [1,2,3,4], nums2 = [2,10,20,19], k1 = 0, k2 = 0

Output: 579

Explanation: The elements in nums1 and nums2 cannot be modified because k1 = 0 and k2 = 0.

The sum of square difference will be: (1-2)^2 + (2-10)^2 + (3-20)^2 + (4-19)^2 = 579.
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Example 2:

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Input: nums1 = [1,4,10,12], nums2 = [5,8,6,9], k1 = 1, k2 = 1

Output: 43

Explanation: One way to obtain the minimum sum of square difference is:

- Increase nums1[0] once.

- Increase nums2[2] once.

The minimum of the sum of square difference will be:

(2-5)^2 + (4-8)^2 + (10-7)^2 + (12-9)^2 = 43.

Note that, there are other ways to obtain the minimum of the sum of square difference, but there is no way to obtain a sum smal
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Constraints:

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• n == nums1.length == nums2.length
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- $1 \le n \le 10^5$
- 0 <= nums1[i], nums2[i] <= 10⁵
- $0 \le k1$, $k2 \le 10^9$

