1775. Equal Sum Arrays With Minimum Number of Operations

Description

You are given two arrays of integers `nums1` and `nums2`, possibly of different lengths. The values in the arrays are between `1` and `6`, inclusive.

In one operation, you can change any integer's value in **any** of the arrays to **any** value between `1` and `6`, inclusive.

Return *the minimum number of operations required to make the sum of values in* `nums1` *equal to the sum of values in* `nums2`. Return `-1` if it is not possible to make the sum of the two arrays equal.

Example 1:

```
Input: nums1 = [1,2,3,4,5,6], nums2 = [1,1,2,2,2,2]
Output: 3
Explanation: You can make the sums of nums1 and nums2 equal with 3 operations. All indices are 0-indexed.
- Change nums2[0] to 6. nums1 = [1,2,3,4,5,6], nums2 = [ 6 ,1,2,2,2,2].
- Change nums1[5] to 1. nums1 = [1,2,3,4,5, 1 ], nums2 = [6,1,2,2,2,2].
- Change nums1[2] to 2. nums1 = [1,2, 2 ,4,5,1], nums2 = [6,1,2,2,2,2].
```

Example 2:

```
Input: nums1 = [1,1,1,1,1,1,1], nums2 = [6]
Output: -1
Explanation: There is no way to decrease the sum of nums1 or to increase the sum of nums2 to make them equal.
```

Example 3:

```
Input: nums1 = [6,6], nums2 = [1]
Output: 3
Explanation: You can make the sums of nums1 and nums2 equal with 3 operations. All indices are 0-indexed.
- Change nums1[0] to 2. nums1 = [ 2 ,6], nums2 = [1].
- Change nums1[1] to 2. nums1 = [2, 2 ], nums2 = [1].
- Change nums2[0] to 4. nums1 = [2,2], nums2 = [ 4 ].
```

Constraints:

- `1 <= nums1.length, nums2.length <= 10^5`
- `1 <= nums1[i], nums2[i] <= 6`