2903. Find Indices With Index and Value Difference I

Description

You are given a **0-indexed** integer array `nums` having length `n`, an integer `indexDifference`, and an integer `valueDifference`.

Your task is to find **two** indices `i` and `j`, both in the range `[0, n - 1]`, that satisfy the following conditions:

- `abs(i - j) >= indexDifference`, and
- `abs(nums[i] - nums[j]) >= valueDifference`

Return *an integer array* `answer`, *where* `answer = [i, j]` *if there are two such indices*, *and* `answer = [-1, -1]` *otherwise*. If there are multiple choices for the two indices, return *any of them*.

Note: `i` and `j` may be **equal**.

Example 1:

```
Input: nums = [5,1,4,1], indexDifference = 2, valueDifference = 4
Output: [0,3]
Explanation: In this example, i = 0 and j = 3 can be selected.
abs(0 - 3) >= 2 and abs(nums[0] - nums[3]) >= 4.
Hence, a valid answer is [0,3].
[3,0] is also a valid answer.
```

Example 2:

```
Input: nums = [2,1], indexDifference = 0, valueDifference = 0
Output: [0,0]
Explanation: In this example, i = 0 and j = 0 can be selected.
abs(0 - 0) >= 0 and abs(nums[0] - nums[0]) >= 0.
Hence, a valid answer is [0,0].
Other valid answers are [0,1], [1,0], and [1,1].
```

Example 3:

```
Input: nums = [1,2,3], indexDifference = 2, valueDifference = 4
Output: [-1,-1]
Explanation: In this example, it can be shown that it is impossible to find two indices that satisfy both conditions.
Hence, [-1,-1] is returned.
```

Constraints:

- `1 <= n == nums.length <= 100`
- `0 <= nums[i] <= 50`
- `0 <= indexDifference <= 100`
- `0 <= valueDifference <= 50`