You are given an integer array nums and two integers indexDiff and valueDiff.

Find a pair of indices (i, j) such that:

* i != j,
* abs(i - j) <= indexDiff.
* abs(nums[i] - nums[j]) <= valueDiff, and

Return true *if such pair exists or* false *otherwise*.

**Example 1:**

Input: nums = [1,2,3,1], indexDiff = 3, valueDiff = 0  
Output: true  
Explanation: We can choose (i, j) = (0, 3).  
We satisfy the three conditions:  
i != j --> 0 != 3  
abs(i - j) <= indexDiff --> abs(0 - 3) <= 3  
abs(nums[i] - nums[j]) <= valueDiff --> abs(1 - 1) <= 0

**Example 2:**

Input: nums = [1,5,9,1,5,9], indexDiff = 2, valueDiff = 3  
Output: false  
Explanation: After trying all the possible pairs (i, j), we cannot satisfy the three conditions, so we return false.

**Constraints:**

* 2 <= nums.length <= 105
* -109 <= nums[i] <= 109
* 1 <= indexDiff <= nums.length
* 0 <= valueDiff <= 109