

LeetCode

Explore

Problems

Interview

Contest

Discuss

Store

LeetCode is hiring! Apply NOW.

+

🔔

👤

Description

Solution

Discuss (999+)

Submissions

i

Java

Autocomplete

i

{ }

↺

↻

🗖

532. K-diff Pairs in an Array

Medium

👍 2412

🗨 2012

🤍 Add to List

📄 Share

Given an array of integers `nums` and an integer `k`, return the number of **unique** `k`-diff pairs in the array.

A **k-diff** pair is an integer pair `(nums[i], nums[j])`, where the following are true:

- `0 <= i < j < nums.length`
- `|nums[i] - nums[j]| == k`

**Notice** that `|val|` denotes the absolute value of `val`.

**Example 1:**

**Input:** `nums = [3,1,4,1,5], k = 2`  
**Output:** `2`  
**Explanation:** There are two 2-diff pairs in the array, `(1, 3)` and `(3, 5)`.  
Although we have two 1s in the input, we should only return the number of **unique** pairs.

**Example 2:**

**Input:** `nums = [1,2,3,4,5], k = 1`  
**Output:** `4`  
**Explanation:** There are four 1-diff pairs in the array, `(1, 2)`, `(2, 3)`, `(3, 4)` and `(4, 5)`.

**Example 3:**

**Input:** `nums = [1,3,1,5,4], k = 0`  
**Output:** `1`  
**Explanation:** There is one 0-diff pair in the array, `(1, 1)`.

**Constraints:**

- `1 <= nums.length <= 10^4`
- `-10^7 <= nums[i] <= 10^7`
- `0 <= k <= 10^7`

Accepted 241,491      Submissions 607,470

Seen this question in a real interview before? 

Yes

No

Companies 

i

Related Topics

Similar Questions

1

2

3

4

5

class Solution {  
 public int findPairs(int[] nums, int k) {  
   
 }  
}

⋮

☰ Problems

✂ Pick One

< Prev

532/2168

Next >

Console

Contribute i

▶ Run Code ^

Submit