

5859. Count Number of Pairs With Absolute Difference K

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Given an integer array `nums` and an integer `k`, return the number of pairs (i, j) where $i < j$ such that $|\text{nums}[i] - \text{nums}[j]| == k$.

The value of $|x|$ is defined as:

- x if $x \geq 0$.
- $-x$ if $x < 0$.

User Accepted: 79

User Tried: 89

Total Accepted: 79

Total Submissions: 89

Difficulty: Easy

Example 1:

Input: `nums = [1,2,2,1]`, `k = 1`**Output:** 4**Explanation:** The pairs with an absolute difference of 1 are:

- `[1,2,2,1]`
- `[1,2,2,1]`
- `[1,2,2,1]`
- `[1,2,2,1]`

Example 2:

Input: `nums = [1,3]`, `k = 3`**Output:** 0**Explanation:** There are no pairs with an absolute difference of 3.

Example 3:

Input: `nums = [3,2,1,5,4]`, `k = 2`**Output:** 3**Explanation:** The pairs with an absolute difference of 2 are:

- `[3,2,1,5,4]`
- `[3,2,1,5,4]`
- `[3,2,1,5,4]`

Constraints:

- $1 \leq \text{nums.length} \leq 200$
- $1 \leq \text{nums}[i] \leq 100$
- $1 \leq k \leq 99$

JavaScript



```

1 const countKDifference = (a, k) => {
2   let n = a.length, se = new Set();
3   for (let i = 0; i < n; i++) {
4     for (let j = 0; j < n; j++) {
5       let ke = (i <= j ? i + " " + j : j + " " + i);
6       if (Math.abs(a[i] - a[j]) == k) se.add(ke);
7     }
8   }
9   return se.size;

```


```
10 };
```

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