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1385. Find the Distance Value Between Two Arrays

Easy

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Given two integer arrays `arr1` and `arr2`, and the integer `d`, return the distance value between the two arrays.

The distance value is defined as the number of elements `arr1[i]` such that there is not any element `arr2[j]` where `|arr1[i]-arr2[j]| <= d`.

Example 1:

Input: `arr1 = [4,5,8]`, `arr2 = [10,9,1,8]`, `d = 2`

Output: 2

Explanation:

For `arr1[0]=4` we have:

`|4-10|=6 > d=2`

`|4-9|=5 > d=2`

`|4-1|=3 > d=2`

`|4-8|=4 > d=2`

For `arr1[1]=5` we have:

`|5-10|=5 > d=2`

`|5-9|=4 > d=2`

`|5-1|=4 > d=2`

`|5-8|=3 > d=2`

For `arr1[2]=8` we have:

`|8-10|=2 <= d=2`

`|8-9|=1 <= d=2`

`|8-1|=7 > d=2`

`|8-8|=0 <= d=2`

Example 2:

Input: `arr1 = [1,4,2,3]`, `arr2 = [-4,-3,6,10,20,30]`, `d = 3`

Output: 2

Example 3:

Input: `arr1 = [2,1,100,3]`, `arr2 = [-5,-2,10,-3,7]`, `d = 6`

Output: 1

Constraints:

- `1 <= arr1.length, arr2.length <= 500`
- `-1000 <= arr1[i], arr2[j] <= 1000`
- `0 <= d <= 100`

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class Solution {

public int findTheDistanceValue(int[] arr1, int[] arr2, int d) {

}

}

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