10/29/21, 10:35 AM HackerRank

24m left

1. Pairs

 \mathbb{H}

Given an array of integers and a target value, determine the number of pairs of array elements that have a difference equal to the target value.

ALL

$$k = 1$$

$$arr = [1, 2, 3, 4]$$

 \odot

There are three values that differ by k=1: 2-1=1, 3-2=1, and 4-3=1. Return ${\bf 3}$.

1

Function Description

Complete the *pairs* function below. pairs has the following parameter(s):

- *int k:* an integer, the target difference
- *int arr[n]:* an array of integers

Returns

• *int:* the number of pairs that satisfy the criterion

Input Format

The first line contains two space-separated integers n and k, the size of arr and the target value.

The second line contains n space-separated integers of the array arr.

Constraints

•
$$2 \le n \le 10^5$$

•
$$0 < k < 10^9$$

•
$$0 < arr[i] < 2^{31} - 1$$

ullet each integer arr[i] will be unique

Sample Input

Sample Output