https://course.acciojob.com/idle?question=c90a618d-eec4-4a30-8d6a-2db091389d50

Max Score: 30 Points

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Count pairs with given Sum

Given an array arr of size N and an integer κ , find all the possible pairs of elements in the array whose sum is κ .

Input Format

First line of input contains a single integer N, the size of array.

Second line of input contains n space separated integers representing the elements of the array a.

Third line of input contains κ .

Output Format

Find the total number of pairs whose sum is equal to κ .

Example 1

Input

```
4
1 5 7 1
6
```

Output

2

Explanation

```
arr[0] + arr[1] = 1 + 5 = 6 and arr[1] + arr[3] = 5 + 1 = 6..
```

Example 2

Input

```
5
1 1 1 1 1
3
```

Output

0

Explanation

No pairs have sum equal to 3.

Constraints

```
1 <= N <= 10^5
```

- Hashing
- Arrays

My code

```
// n java
import java.io.*;
import java.util.*;
public class Main {
  public static void main(String args[]) throws IOException {
     Scanner sc = new Scanner(System.in);
     int n=sc.nextInt();
     int arr[]=new int[n];
     for(int i=0;i< n;i++)
     arr[i]=sc.nextInt();
     int k=sc.nextInt();
     Solution A=new Solution();
     int ans=A.countPairs(arr,n,k);
     System.out.println(ans);
```