

<https://course.acciojob.com/idle?question=ffc310e8-20af-4439-b981-4c11f7ef87af>

● EASY

- **Max Score: 30 Points**

- [illegible]

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Subarray sum equals K

Given an array of integer nums and an integer k, return the total number of subarrays whose sum equals to k.

A subarray is a contiguous non-empty sequence of elements within an array.

Input Format

Input consists of 3 lines.

1st line contains the size of the array N

2nd line contains N space-separated integers

3rd line contains integer K.

Output Format

Print the total number of subarrays with the given sum K.

EXAMPLE 1

Input:

```
3
1 1 1
2
```

Output::

2

EXPLANATION:

subarray [1, 1] and [1, 1] have sum 2

EXAMPLE 2

Input:

```
3
1 2 3
3
```

Output::

2

EXPLANATION:

subarray [1, 2] and [3] have sum 3

CONSTRAINTS:

1 <= nums.length <= 208

-1000 <= nums[i] <= 1000

-107 <= k <= 107

Topic Tags

- Arrays

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();

        int arr[]=new int[n];
        for(int i=0;i<n;i++)
            arr[i]=s.nextInt();
        int k=s.nextInt();
        int c=0;
        for(int i=0;i<n;i++)
        {
```

```
int sum=0;
for(int j=i;j<n;j++)
{
    sum+=arr[j];
    if(sum==k)
        c++;
}
}
System.out.print(c);
```

```
}
}
```