https://course.acciojob.com/idle?question=86e96839-008f-44a3-9082-f2bf84d8b64c

- EASY
- Max Score: 30 Points

Balance array

Given an integer array A of size N. You need to count the number of special elements in the given array.

An element is special if the removal of that element makes the array balanced.

The array will be balanced if the sum of the even index elements is equal to the sum of the odd index elements.

Input Format

The first line of the input contains an integer N.

The second line of the input contains n space-separated integers representing array A.

Output Format

Print the number of special elements.

Example 1

Input

```
4
2 1 6 4
```

Output

```
1
```

Explanation

After deleting 1 from the array, the array becomes [2, 6, 4].

Example 2

Input

```
5
5 5 2 5 8
```

Output

```
2
```

Explanation

We can delete either 1st or 2nd element to make the array balanced.

Constraints

1 <= N <= 10^5

1 <= A[i] <= 10^9

Topic Tags

- **Arrays**

My code

```
// in java
import java.io.*;
import java.util.*;
```

```
public class Main {
	public static void main(String args[]) {
		// 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 even=0;//even sum
		for(int i=0;i<n;i=i+2)
			even+=arr[i];

		int odd=0;//odd sum
		for(int i=1;i<n;i=i+2)
			odd+=arr[i];

		int neweven=0;
		int newodd=0;
		int ans=0;
		for(int i=0;i<n;i++)
			{
				if(i%2==0)
				{
				even-=arr[i];
					if((even+newodd)==(odd+neweven))
						ans++;
					neweven+=arr[i];
				}
				else
				{
```

```
                    odd-=arr[i];
                        if((even+newodd)==(odd+neweven))
                        ans++;
                    newodd+=arr[i];
                }
            }
        System.out.print(ans);
    }
}
```