

```

import java.io.*;

import java.util.*;

class GFG {

    public static int getEquilibriumPoint(int arr[], int n){

        int pre[] = new int[n];

        int sum1 = 0, sum2 = 0, ans = -1;

        for(int i=0; i<n; i++){

            sum1+=arr[i];

            pre[i]=sum1;

        }

        for(int i=n-1; i>=0; i--){

            sum2+=arr[i];

            if(sum2==pre[i])ans=i+1;

        }

        if(ans==0){

            return 0;

        }

        return ans;

    }

    public static void main (String[] args) throws IOException {

        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

        int t = Integer.parseInt(br.readLine().trim()); //Inputting the testcases
    }

```

```
while(t-->0){  
  
    int n = Integer.parseInt(br.readLine().trim());  
  
    int arr[] = new int[n];  
  
    String inputLine[] = br.readLine().trim().split(" ");  
  
    for(int i=0; i<n; i++){  
  
        arr[i]=Integer.parseInt(inputLine[i]);  
  
    }  
  
    System.out.println(getEquilibriamPoint(arr, n));  
  
}  
  
}
```