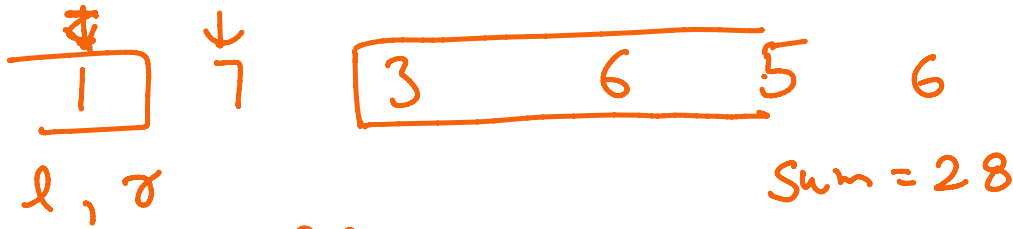


Find Pivot Index 1

05 June 2023 22:52



l, r

$$r = 28$$

$$l = 0$$

$$0^{th} \rightarrow r = r - arr[i] = 27$$

$$l = arr[i] = 1$$

$$1^{st} \rightarrow r = r - arr[i] = 27 - 1 = 26$$

$$l = l + arr[i] = 1 + 1 = 2$$

$$2^{nd} \rightarrow r = r - arr[i] = 26 - 3 = 23$$

$$l = l + arr[i] = 2 + 3 = 5$$

$$3^{rd} \rightarrow r = r - arr[i] = 23 - 6 = 17$$

$$l = l + arr[i] = 5 + 6 = 11$$

$$① r = r - arr[i]$$

$$② check$$

$$③ l = l + arr[i]$$

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

```
public class Solution {
```

```
    public static void main(String[] args) {
        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();
        System.out.print(findpivot(arr));
    }
```

```
    public static int findpivot(int[] arr)
    {
        int n = arr.length;
        int left = 0, right = 0;
        for(int i = 0; i < n; i++)
            right += arr[i];

        for(int i = 0; i < n; i++)
        {
            right = right - arr[i];
            if(left == right){
                return i;
            }
            left = left + arr[i];
        }
    }
```

```
    return -1;
```

