https://course.acciojob.com/idle?question=08d482fc-3df2-4759-8977-941fa4f78b1f

- EASY
- Max Score: 30 Points

Subarray Problem 1

Given an array `arr[10] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}` of size `10`. Find whether there exists a sub-array of size n and sum s, where n and s both are user input values.

Print `YES` if there exists a subarray of size `n` and sum `s` in the array `arr` else print `NO`

Input Format

The first and only line of input contains `n` and `s`

Output Format

Print either "YES" or "NO"

Example 1

Input

```
3 6
```

Output

```
YES
```

Explanation

The sum of elements at indices 0, 1,2 add upto 6

Example 2

Input

```
4 10
```

Output

```
YES
```

Explanation

The sum of elements at indices 0, 1, 2, 3 add upto 10

Constraints

1<=n<=10 1<=s<=55

Topic Tags

- **Arrays**

My code

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

public class Main {

    public static void solve(int []arr, int n, int s){
        // Write code here
            if(n<1 || n>10)
            {
               System.out.print("NO");
            return;
```

```
        }
            int sum=0;
            for(int i=0;i<n-1;i++)
                    {
                            sum+=arr[i];
                    }
           for(int i=0;i<=10-n;i++)
                    {
                             sum=sum+arr[i+n-1];
                            if(sum==s)
                            {
                                System.out.print("YES");
                                  return;
                            }
                            sum=sum-arr[i];
                    }
              System.out.print("NO");
    }

    public static void main(String[] args) throws Throwable {
        Scanner sc = new Scanner(System.in);
        int []arr={1,2,3,4,5,6,7,8,9,10};
        int n;
        n=sc.nextInt();
        int s;
        s=sc.nextInt();
        solve(arr, n, s);
    }
}
```