

<https://course.acciojob.com/idle?question=f0ade862-5ec2-4519-83ae-e8e12cb7bdfa>

● EASY

● Max Score: 30 Points

Split Odd10

Given an array of ints, is it possible to divide the ints into two groups, so that the sum of one group is a multiple of 10, and the sum of the other group is odd.

Every int must be in one group or the other.

Write a recursive helper method that takes whatever arguments you like, and make the initial call to your recursive helper from `splitOdd10()`. (No loops needed.)

Input Format

The first line contains a single integer `n`(number of elements)

The second line contains `n` space integers

Output Format

Print YES if its possible to divide it into two groups with given condition else print NO

Example 1

Input

```
3
5 5 5
```

Output

```
YES
```

Explanation

It possible to divide the ints into two groups as given.

Example 2

Input

```
3
5 5 6
```

Output

```
NO
```

Explanation

It is not possible to divide the ints into two groups as given.

Constraints:

$1 \leq n \leq 100$

$-100 \leq a[i] \leq 100$

Topic Tags

- [Recursion](#)
- [Math](#)

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];
        int sum=0;
        for(int i=0;i<n;i++)
        {
            arr[i]=s.nextInt();
            sum+=arr[i];
        }
        if(sum%2==0)
        {
            System.out.print("NO") ;
            return;
        }
        int sum2=0;
        for(int i=0;i<n;i++)
        {
            sum2+=arr[i];
            if(sum2%10==0)
            {
                System.out.print("YES") ;
            }
            return;
        }
    }
}

```

```
        if((sum-sum2)%10==0)
        {
            System.out.print("YES") ;
        }
        return;
    }
}
```