https://course.acciojob.com/idle?question=41ec8fa1-0379-498c-8bc5-7afb2991f9b5

- EASY
- Max Score: 30 Points

Alternate Signed Numbers

You are given an array `arr`. For every element in the array, the elements adjacent to it should be of opposite sign. Check if is true or not.

Note Consider `0` as a positive signed number.

Input Format

The first line contains an integer `N`, which represents the size of the array.

The second line contains N space-separated integers representing the array `arr`

Output Format

Print `Yes` if the array contains alternate signed numbers else, print `No`.

Example 1

Input

```
5
1 -2 3 -4 5
```

Output

```
Yes
```

Explanation

We have N = 5.

The digits are positive, negative, positive, negative, and positive, which is alternate

Example 2

Input

```
3
1 -1 -1
```

Output

```
No
```

Explanation

We have N = 3.

The digits are positive, negative, and negative, which is not alternate

Constraints

1 <= N <= 100000

-100000 <= arr[i] <= 100000

Topic Tags

- **Basics**
- **Arrays**

My code

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

```
class Solution {
    static void isAlternate(int arr[], int n)
    {
        //Write your code here
                int f=0;
                for(int i=0;i<n;i++)
                        {
                                if(arr[i]<0)
                                {
                                        if(f==-1)
                                        {
                                                System.out.print("No");
                                                return;
                                        }
                                        f=-1;
                                }
                                else
                                        {
                                        if(f==1)
                                        {
                                                System.out.print("No");
                                                return;
                                        }
                                        f=1;
                                }

                        }
                System.out.print("Yes");
    }

}
```

```
public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n= sc.nextInt();
        int array[] = new int[n];

        for(int i=0; i<n; i++){
            array[i]= sc.nextInt();
        }
        Solution Obj = new Solution();
        Obj.isAlternate(array,n);
    }
}
```