



STUDENT REPORT

DETAILS

Name

A.Padmini

Roll Number

3BR21CS002

EXPERIMENT

Title

SPECIAL ARRAY

Description

A sequence is considered as special only if there are no such pair of adjacent numbers in the sequence such that the pair consists of both odd or both even numbers.

For each test case print "YES" if the sequence is special otherwise print "NO".

Input Format:

The input is given in the following format:

The first line contains a single integer N, denoting the number of elements in the array arr.

Then, N subsequent lines contain a single integer, denoting the value of the ith element of the array arr.

The input will be read from the STDIN by the candidate

Output Format:

For each test case print "YES" if the sequence is special otherwise print "NO".

The output will be matched to the candidate's output printed on the STDOUT

Sample Input:

5

2

3

4

5

6

Sample Output:

YES

Source Code:

```
n=int(input())
a=[]
for i in range(n):
    a.append(int(input()))
f=True
for i in range(n-1):
    if (a[i]%2==0 and a[i+1]%2==0) or (a[i]%2!=0 and a[i+1]%2!=0):
        f=False
        break
if f:
    print("YES")
else:
    print("NO")
```

RESULT

5 / 5 Test Cases Passed | 100 %