



Reports

Time Limit: 2000/1000 MS (Java/Others) Memory Limit: 524288/524288 K (Java/Others)
 Total Submission(s): 0 Accepted Submission(s): 0

Problem Description

Because of Covid-19, Kanade needs to report every time when entering and leaving school. Now you want to check if Kanade's reports on a certain day are correct.

A sequence of reports is correct if and only if there does not exist two consecutive and same reports.

Input

There are T test cases in this problem.

The first line has one integer T .

For every test case:

The first line has one integer n which denotes the number of times Kanade reported on a certain day.

The second line has n integers $a_1, a_2, a_3, \dots, a_n$, a_i denotes the type of the i -th report. $a_i = 0$ denotes a leaving school report and $a_i = 1$ denotes an entering school report.

$$1 \leq T \leq 100$$

$$3 \leq n \leq 50$$

$$0 \leq a_i \leq 1$$

Output

For every test case, output "YES" if Kanade's reports are correct, otherwise output "NO" (without quotes)

Sample Input

```
4
3
1 1 1
3
1 0 1
5
0 1 0 1 0
4
1 0 1 1
```

Sample Output

```
NO
YES
YES
NO
```

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