

Is It Valid

Problem

Submissions

Leaderboard

Discussions

Problem Statement

Given a string S containing just the characters **0** and **1**, determine if the input string is valid.

An input string is valid if the string is empty after doing some operations. The available operations are:

1. **0** can delete its previous available character **1** along with itself. If there is no **1** available to delete, it will not delete itself.
2. **1** can delete its previous available character **0** along with itself. If there is no **0** available to delete, it will not delete itself.

Input Format

- First line will contain T , the number of test cases.
- Next T lines will contain the string S .

Constraints

1. $1 \leq T \leq 1000$
2. $1 \leq |S| \leq 1000$. Here $|S|$ means the length of the string.

Output Format

- Output **YES** if the string is valid, otherwise **NO**.

Sample Input 0

```
10
0011
1010
1100
0101
0001
0111
0110
100101
1110010
0001011011
```

Sample Output 0

```
YES
YES
YES
YES
NO
NO
YES
YES
NO
YES
```

Submissions: [430](#)

Max Score: 20

Difficulty: Easy

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C++20



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6
7 int main()
8 {
9     // Write your code here
10
11     return 0;
12 }
13
```

Line: 1 Col: 1

 [Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code