Elimination

Problem Statement

You will be given a binary string S (A binary string is a string which contains only 0 and 1) in which every 1 will eliminate its previously adjacent 0 and itself. After an elimination, if another elimination is possible, it will continue until no further eliminations can be made.

For example, if the sequence is 100110110, then the $3rd$ and $4th$ elements, as well as the $6th$ and $7th$ elements, will be eliminated, resulting in the string 10110 (10 *01* 1 *01* 10 - Bold values are eliminated). After that, the 2nd and 3rd elements will be eliminated, resulting in the string 110 (1 *01* 10 - Bold values are eliminated). After that, no further eliminations can occur.

You need to determine whether the string will be empty after all eliminations.

Input Format

- First line will contain T, the number of test cases.
- Each test case will contain the string S.

Constraints

1. $1 \leq T \leq 10^3$
2. $1 \leq |S| \leq 10^4$

Output Format

- For each test case output **YES** if the string is empty after all eliminations, **NO** otherwise.

Sample Input 0

```
7
01
10
0011
0101
01001110
000111010011
00011
```

Sample Output 0

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

Submissions: 425
Max Score: 20

Difficulty: Easy

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C++20

```cpp
#include <bits/stdc++.h>

using namespace std;



int main()
{
    // Write your code here

    return 0;
}

```

Line: 1 Col: 1

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