# Sharmeen and parentheses

Sharmeen the little girl learned about parentheses a few days ago. So as usual Mozahid gives her a problem to solve related with parentheses. As she is a little girl, she can't find a solution. As you are a good programmer can you solve it for Sharmeen?

You will be given a string consisting of only parentheses '(' or ')' and question marks '?'. You can replace a question mark with an opening or closing parentheses. If it is possible to make the string a valid parentheses sequence, output yes otherwise no. **You must have to replace all the question marks with parentheses.**

## Input

First line of the input is the number of test cases T( 1 <= T <= 10^5 ).

A string of length n (1 <=n<=10^5) consisting of only '(' , '(' or '?'.

Total length of all string will be at most 10^6.

## Output

For each testcase, if it is possible to make the string a valid parentheses sequence replacing the '?' marks with parentheses output 'yes' otherwise 'no' without quotes in one line.

**Constrain:**

1 <= T <= 10^5

1 <= n <= 10^5

Total length of all strings will be at most 10^6.

See the sample input output for better understanding.

## Example

**Input:**
2
(()??((??)
((??

**Output:**
yes
yes

## Explanation:

Possible valid parentheses sequences for testcase 1 are:-
(())((()))
(()()(()))