

Check the Parentheses

Mr. X will give you a string consisting of parentheses () and []. A string of these type is said to be correct:

1. If the string is empty.
2. If X and Y are correct, then XY is correct.
3. If X is correct, then (X) and [X] is correct.

You will be given some strings and you have to check their correctness. The maximum length of the string is 128.

Input Format

The file contains a positive integer n and a sequence of n strings of parentheses '()' and '[]', one string a line.

Constraints

Empty

Output Format

A sequence of 'Yes' or 'No' on the output file.

Sample Input 0

```
3
([])
(( [ () ] ))
([ ( ) [] ( ) ] )
```

Sample Output 0

```
Yes
No
Yes
```