


[Online Judge](#)

[About Online Judge](#)
[Frequently asked questions](#)
[Site news](#)
[Webboard](#)
[Links](#)

[Problems](#)

[Problem set](#)
[Submit solution](#)
[Judge status](#)
[Guide](#)

[Authors](#)

[Register](#)
[Update your info](#)
[Authors ranklist](#)

[Online contests](#)

[Current contest](#)
[Scheduled contests](#)
[Past contests](#)
[Rules](#)

1177. Like Comparisons

Time limit: 1.0 second

Memory limit: 64 MB

Development team of new DBMS asks you to write subroutine for the 'like' operator.

'Like' operator works as following. It returns true if text string matches specified template. Template is a text string containing any symbols or following special sequences:

%	matches any number of any characters
_	matches any single character
[c1-c2]	matches any single character in the range c1-c2
[c1c2c3...cN]	matches any single character of the set {c1,c2,c3,...,cN}
[^c1-c2]	matches any single character not in the range c1-c2
[^c1c2c3...cN]	matches any single character not in the set {c1,c2,c3,...,cN}

Input

First line contains number of tests $N \leq 1000$. Next N lines contain comparisons in the following format:

'string' like 'template'

String or template may contain any symbols with ASCII codes 32-255. Inner entrance of apostrophe symbol (ASCII 39) into string or template is encoded by double apostrophe symbol. Maximal length of string or template is 100 symbols.

Output

For each of N comparisons output single 'YES' or 'NO' at a line.

Sample

input	output
15	NO
'abcde' like 'a'	YES
'abcde' like 'a%'	NO
'abcde' like '%a'	NO
'abcde' like 'b'	NO
'abcde' like 'b%'	NO

'abcde' like '%b'	YES
'25%' like '_5[%]'	YES
'_52' like '[_]5%'	YES
'ab' like 'a[a-cdf]'	YES
'ad' like 'a[a-cdf]'	NO
'ab' like 'a[-acdf]'	YES
'a-' like 'a[-acdf]'	YES
'[]' like '[][]'	YES
'''''' like '_'''	NO
'U' like '[^a-zA-Z0-9]'	

Problem Author: Pavel Atnashev

Problem Source: Third USU personal programming contest, Ekaterinburg, Russia, February 16, 2002

Tags: [hardest problem](#) [string algorithms](#) [\(hide tags for unsolved problems\)](#)

Difficulty: 1288 [Printable version](#) [Submit solution](#) [Discussion \(27\)](#)

[All submissions \(4035\)](#) [All accepted submissions \(486\)](#) [Solutions rating \(269\)](#)