

**1753 - Numbersrebmun**

## Description

Anna and Bob are starting up a new high-tech company. Of course, one of their key considerations is choosing a good name for the company. Palindromes are cool (A palindrome is a word that is the same when reversed, like the names of our two entrepreneurs). They would really like the name of their company to be a palindrome. Unfortunately, they cannot think of a nifty company name that is also a palindrome.

Maybe at least the telephone number of their company could be a palindrome. However, they really want their customers to be able to call them, so they want to choose the company name so that, when it is typed using the letters printed on a phone keypad, the result is also their phone number.

On a standard phone keypad, the following keys contain the corresponding letters:



2: ABC, 3: DEF, 4: GHI, 5: JKL, 6: MNO, 7: PQRS, 8: TUV, 9: WXYZ.

## Input specification

The first line of input contains a single integer, the number of lines to follow. Each following line contains a company name, which is a string of at most 20

letters, which may be either uppercase or lowercase.

## Output specification

For each company name, print a single line of output, containing the word YES if the phone number is a palindrome, or NO if it is not.

## Sample input

```
2
ANBOBNA
iAmACoolCompany
```

## Sample output

```
YES
NO
```

## Hint(s)

Source	2007 Waterloo Local Contest - Ondrej Lhotak
Added by	<b>ymondelo20</b>
Addition date	2012-03-20
Time limit (ms)	2000
<b>Test limit (ms)</b>	2000
Memory limit (kb)	65536000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	C C# C++ C++11 Java JavaScript-NodeJS Pascal Perl PHP Prolog Python Ruby Text