Problem D: Numbersrebmun

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 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.

Sample Input

```
2
ANBOBNA
iAmACoolCompany
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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.

Output for Sample Input

```
YES
NO
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