
Palindromes**P56659_en**

Given a sequence of words, say which of them are palindromes and which are not. Remember that a word is a palindrome if it is read equal from left to right and from right to left.

Input

The first line of the input contains a number n . The n following lines contain each one a non empty word formed exclusively by uppercase letters.

Output

For each word, your program must print in a line if it is a palindrome following the format of the instance.

Sample input 1

2
CASA
POP

Sample output 1

CASA no es palindrom
POP es palindrom

Problem information

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