# Better Censor

**Time limit:** 1.0s    **Memory limit:** 64M

The Society for the Prevention of Profanity on the Internet has realized that many people were able to circumvent their censorship system by using special characters. For example, `four` is a four letter word that needs to be censored, however, people will put it at the end of a sentence, as in `four.`, and the censorship system breaks apart. Another case where it breaks apart is when people try to use 1337 speak, such as `133t` or `1337`.

Your task is to write a program that censors all four letter words with `****`, even if they are surrounded by punctuation or written in 1337 speak.

## Input Specification

The input to your program consists of an integer, $n$, on a line by itself, followed by $n$ lines of text. Each line of text contains ASCII text containing letters, symbols, and spaces. Lines do not exceed $80$ characters in length.

## Output Specification

Output each line of text, with four letter words replaced by `****`, while preserving all other characters, including spaces.

## Sample Input

```
6
The Society for the Prevention of Profanity on the Internet has realized that
many people were able to circumvent their censorship system by using special
characters. For example, "four" is a four letter word that needs to be
censored, however, people will put it at the end of a sentence, as in "four.",
and the censorship system breaks apart. Another case where it breaks apart
is when people try to use 1337 speak, such as "l33t" or "1337".
```

## Sample Output

```
The Society for the Prevention of Profanity on the Internet has realized ****
**** people **** **** to circumvent their censorship system by using special
characters. For example, "****" is a **** letter **** **** needs to be
censored, however, people **** put it at the end of a sentence, as in "****.",
and the censorship system breaks apart. Another **** where it breaks apart
is **** people try to use **** speak, **** as "****" or "****".
```