

Zip Van Winkle

Filename: winkle

The Problem

Zip Van Winkle has just woken up from a very long nap – 200 years, to be exact. He has found himself in the year 2050, when everyone speaks the universal Language Of Leet (LOL for short). Zip is having some trouble bridging the gap between his 19th century English and this newfangled language, so he has asked you to create a basic translator for him.

The Language of Leet is a lot like modern-day English, with a few key differences. Punctuation and capitalization no longer exist, as they cut down on typing speed. In addition, words are pluralized using the letter 'z' instead of 's'. (Thus, if the letter 'z' is the last letter in a Leet word, this letter should be changed to 's' when translated to English.) Finally, the translator should carry out the following Leet-to-English translations:

<u>Language of Leet</u>	<u>English</u>
sup	good day to you
1337	most extraordinary
d00d	esteemed gentleman
<3	harbor feelings of adoration towards

The Input

The first line of the input file will contain a single integer, n , representing the number of test cases (sentences) in the file. Each test case will contain an integer, k , representing the number of words in the test case on a line by itself. The second line of the test case will have each word in the Leet sentence, separated by spaces. The only words allowed in these sentences are words formed with only lower case letters and the words "1337", "d00d" and "<3".

The Output

For each case, output a single line containing the translated sentence.

Sample Input

```
4
2
sup d00d
3
i <3 bhcsi
9
i am learning how to be a 1337 programmer
10
the only thingz better than java are dogz and sportz
```

Sample Output

```
good day to you esteemed gentleman
i harbor feelings of adoration towards bhcsi
i am learning how to be a most extraordinary programmer
the only things better than java are dogs and sports
```