Problem E - Tiny Typos

Department of Computer Science
University of Cape Town, South Africa

CSC1015F - 2016 - problem set

Societies and NGOs, such as Ubunye and SHAWCO in Cape Town, have students go out to primary schools to assist learners in getting to grips with basic maths, literacy, and science. The learners you are assisting are just learning to write out the numbers 'one', 'two' and 'three', in English. The learners have written a lot of those words on a paper and your task is to recognise them after the papers are scanned and gone through the Optical Character Recognition software.

Note that the learners are still learning to write, so they make mistakes: for each word, there might be at most one wrong letter, though the word length is always correct. The OCR software isn't trained to do that kind of spellchecking, so it's up to you to write a program that will recognise the right number.

Input The OCR software is good enough to recognise the number of words on the paper, which is given on the first line. Each of the following lines contains a single word with all letters in lower-case and also satisfying the aforementioned constraints: at most one letter might be wrong, but the word length is always correct. There will be at most 10 words in the input.

Output For each test case, print the numerical value of the word.

Sample input

```
3
owe
too
theee
```

Sample output

```
1
2
3
```