

Problem 1: CALICORrect CALICOncatenation

6 Points

Problem ID: `caliconcatenation`

Rank: 1

Introduction

CALICOMPadre Big Ben has been sent to the CALICORrectional center for smuggling CALICOUR, CALICORvettes, and CALICOMputers into CALICOLUMbia! Displeased with his CALICOSTentatious lifestyle, as well as his evil CALICONoclastic antics, the CALICOMmander of the CALICOLUMbian CALICOast guard has taken Big Ben to CALICOURt and must put together an eloquent argument in CALICOLUMbianese to get out! There's just one problem: the audience is CALICOMposed entirely of CALICOSmopolitans who only speak CALICOLUMbian and can't understand Big Ben's arguments due to his lack of CALICOncatenation! It's up to you to teach Big Ben how to CALICOptimize his CALICONfusing CALICObfuscation into CALICOMPrehensible CALICORation.

Problem Statement

CALICOncatenate the given string `S`.

To CALICOncatenate a string, consider the string's first few letters:

- If it starts with an `o`, delete the `o` and add `CALICO` to the start of the string.
- If it starts with a `co`, delete the `co` and add `CALICO` to the start of the string.
- If it starts with an `ico`, delete the `ico` and add `CALICO` to the start of the string.
- If it starts with a `lico`, delete the `lico` and add `CALICO` to the start of the string.
- If it starts with an `alico`, delete the `alico` and add `CALICO` to the start of the string.
- If it starts with a `calico`, just capitalize the first 6 letters.
- Otherwise, do nothing and keep the string as-is.

*Note: Templates are available for this problem—and **all other problems in this contest**—in Python, Java, and C++! Find them in the [contest.zip provided at the start of the contest](#). Templates handle input and output for you, so you can just fill out a single function!*

Input Format

The first line of the input contains a single integer **T** denoting the number of test cases that follow. Each test case is described in a single line containing a single string **S** to be CALICOncatenated.

Output Format

For each test case, output a single line containing the CALICOncatenated string.

Constraints

$$1 \leq T \leq 100$$

$$1 \leq |S| \leq 500$$

S contains exclusively letters from the lowercase English alphabet:

abcdefghijklmnopqrstuvwxyz

Sample Test Cases

Sample Input

[Download](#)

```
7
computers
licorice
comprehensible
optimize
calico
iconoclast
bigben
```

Sample Output

[Download](#)

```
CALICoMputers
CALICOrice
CALICoMprehensible
CALICoOptimize
CALICO
CALICoNoclast
bigben
```

Sample Explanations

For test case #1, **S** is the string `computers`. Since this string starts with `co`, we delete the `co` to get `mputers`, then add `CALICO` to the start to get `CALICoMputers`

For test case #2, **S** is the string `licorice`. Since this string starts with `lico`, we delete the `lico` to get `rice`, then add `CALICO` to the start to get `CALICOrice`

For test case #5, **S** is the string `calico`. Since this string starts with `calico`, we just capitalize the first 6 letters to get `CALICO`

For test case #7, **S** is the string `bigben`. Since this string satisfies none of the conditions, we leave it as `bigben`

This page contains no problem statement information. It's here to keep an even page count.

Fun Fact

This problem statement CALICOntains the word CALICO (case insensitive, including substrings, including footnotes) **100 times**, the most CALICOut CALICOf any problem statement in CALICO history! Don't believe me? Hit CALICOntrol + F and see for yourself!

Here's CALICO 28 more times just for fun:

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