

U Can't Finish

Filename: ucf

Officially, UCF stands for the University of Central Florida. However, many students often joke that due to the difficulties of class schedules, difficult professors and complicated rules and regulations, that U Can't Finish. Due to UCF's everlasting growth, another common alternate name is Under Construction Forever. You wonder whether or not there might be other clever phrases that have the initials UCF.

The Problem

Determine whether or not a given phrase has the abbreviation UCF. In order to have the abbreviation UCF, a phrase must have exactly three words that are capitalized (first letter capital, rest lowercase) and the relative order of those capital letters must spell out UCF.

The Input

The first line of the input file will contain a number n indicating the number of phrases to be evaluated. The following n lines will each contain a phrase to be evaluated. Each phrase will have multiple space separated strings. Each string is guaranteed to be alphabetic and either all lower case or have only the first letter capital. The total length of each line will not exceed 80 characters.

The Output

For each phrase, output a single line. Output "true" if the phrase's abbreviation is UCF and "false" otherwise.

Sample Input

```
6
U Cant Finish
Fancy Covering Umbrellas
Under Construction Forever
University of Central Florida
Under the stars i Can Feel very hot
Under the stars I Can Feel very Hot
```

Sample Output

```
true
false
true
true
true
false
```