
LAPAO translator

P68483_en

Onzè Concurs de Programació de la UPC - Semifinal (2013-06-19)

LAPAO is a fascinating language spoken near Catalonia. Therefore, it is important to have a translator from Catalan to LAPAO, and from LAPAO to Catalan. Your help is needed.

Input

Input consists of several cases, each one in two lines. The first line has a character 'C' or 'L'. The second line has a text to translate. If the character is 'C', the given text is in Catalan. Otherwise, the given text is in LAPAO. Only English characters are used in the text. That is, there are no accents or alike.

Output

For every case, print a line with the text translated to the other language.

Sample input

```
C
Baixant de la Font del Gat, una noia, una noia,
C
baixant de la Font del Gat, una noia i un soldat.
L
Pregunteu-li com se diu: Marieta, Marieta,
L
pregunteu-li com se diu: Marieta de l'ull viu.
```

Sample output

```
Baixant de la Font del Gat, una noia, una noia,
baixant de la Font del Gat, una noia i un soldat.
Pregunteu-li com se diu: Marieta, Marieta,
pregunteu-li com se diu: Marieta de l'ull viu.
```

Problem information

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