



Problem O. Changing Strings

Source file name: Changingstr.c, Changingstr.cpp, Changingstr.java, Changingstr.py
Input: Standard
Output: Standard

We love our UCF and we are going to change everything to UCF!

Given a string, change the string to UCF as follows:

- Characters before the leftmost "U" in the string are changed to hyphen ("-").
- Characters after the rightmost "F" in the string are changed to hyphen.
- Characters between the leftmost U and the rightmost F are changed to "C".

Assume the string will contain at least one "U", at least one "F" after that U, and at least one character between the U and F.

Input

There is only one input line; it contains a string of uppercase letters. The string will have at least 3 and at most 50 characters.

Output

Print the input string converted to UCF.

Example

Input	Output
ABUDEGHFXYZ	--UCCCCF---
CCUZF	--UCF
ABFABCUABABFABUABFABUAB	-----UCCCCCCCCCF-----
UABCFABCDE	UCCCF-----