

Magic Sigil Generator

A magic sigil is a glyph which represents a desire one wishes to manifest in their lives. There are many ways to create a sigil, but the most common is to write out a specific desire (e.g. "I HAVE WONDERFUL FRIENDS WHO LOVE ME"), remove all vowels, remove any duplicate letters and then design a glyph from what remains.

Using the sentence above as an example, we would remove duplicate letters:

AUFRINDSWHLOVME

And then remove all vowels, leaving us with:

FRNDSWHLVM

Your task is to write a function that takes a string and removes its vowels and duplicate letters. The returned string should not contain any spaces and be in uppercase.

Notes

For duplicate letters the last one is kept.

When performing actual sigil magic, you must make your sigils manually.

Input

The first line of input contains a string S.

Output

The first line contains the string without its vowels and duplicate letters.

Sample input

Sample output

AUFRINDSWHLOVME	FRNDSWHLVM
I FOUND MY SOULMATE	FNDYSLMT
I have a job I enjoy and it pays well	HVBJNDTPYSWL