

Honourable Job

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

points: 100 · problem code: honourablejob · author: Parsa

Parsa, a Computer Science graduate, works as a typist. However, he has an unusual habit—whenever he makes a mistake while typing, instead of pressing the Backspace key, he mistakenly presses the `=` key.

You are given a string S , which represents what Parsa actually typed. Your task is to determine the string T , which represents what he intended to type. The rules for correction are as follows:

- A `=` character erases the rightmost character before it appeared which is not a `=` (if any)
- Leading `=` characters do nothing (since there is nothing to erase)

Your goal is to reconstruct T from S and print it.

Input

In the only line of input you have the string S , which is what Parsa wrote with his keyboard.

It is guaranteed that S only contains small English letters and the character `=`.

Output

Print what Parsa intended to type.

Constraints

- $1 \leq |S| \leq 100000$

Example 1

Input

```
testtwo===wo
```

Output

```
testtwo
```