

You got a job as a programmer in the **ACM** (**A Cool Meta-editor**) company, which has been serving as a producer of one of the coolest text editors of the world. In the update process of the text editor program of that company you are assigned a job to make a program unit which will grammatically correct a line of text. Your job is very simple, take a line of text as input and produce a line of output without the words repeated.

Input

Contains several lines of text. Each line contains several English words having no more than 50 characters each. A word may be defined as a portion of a string separated by one or more spaces or tabs. There will be no blank line in the input. A line may contain at most 20,000 characters. Input is terminated by EOF.

Output

Produce a line of text for each line of input, after removing any repeated pattern. The words must be separated by only one space.

Sample Input

```
test string test string test string
repeat repeat
```

Sample Output

```
test string
repeat
```