Description

The mode of a collection of data is the item that appears the most often in the collection. In this morning's exercise, you are to compute the mode of a collection of strings.

Write a script called **mode.py** that reads a sequence of strings and outputs the mode of this sequence. If more than one string has the highest frequency of occurrence, output all of them in alphabetic order.

Input

The input consists of a single line giving the sequence of strings. Each string consists only of letters and digits and two consecutive strings are separated by a single space.

Output

Each string that has the highest frequency should be output on a line of its own.

Sample Input 1

```
pear apple banana orange banana pear
```

Sample Output 1

```
banana
pear
```