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.

Your program should read 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/lexicographic order (i.e. just sorting normally them works).

Input

The input consists of a single line giving the sequence of strings. Each string consists only of lowercase 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
```

Sample Input 2

```
zebra dog cat bear
```

Sample Output 2

```
bear
cat
dog
zebra
```