

---

## Set of sets

P54824\_en

---

Write a program that, given a sequence of sets of integer numbers, prints the sets in order and with no repetitions.

### Input

Input is a sequence of non empty sets of integer numbers, a set per line. The elements inside each set are different, and can be given in any order.

### Output

Print the sets of the input, one per line, in order and with no repetitions. Print the sets sorted non-decreasingly by the number of elements. If there is a tie, print before the lexicographically smallest set. The elements of each set must be written in increasing order.

### Hint

The standard comparison between two sets follows the lexicographical order.

### Sample input

```
1 2 3 4 5 6
6 4 2
9 5 4 0 2 1
0 1 2 5 6 7
9
8 7
4 2 6
7 8
```

### Sample output

```
9
7 8
2 4 6
0 1 2 4 5 9
0 1 2 5 6 7
1 2 3 4 5 6
```

### Problem information

Author : Salvador Roura

Translator : Carlos Molina

Generation : 2024-05-02 19:27:38

© Jutge.org, 2006–2024.

<https://jutge.org>