

---

## The most frequent element

P66257\_en

Examen final d'Informàtica, FME (2014-01-14)

---

Given two sequences of numbers, each sorted nondecreasingly, compute which number occurs more times in total in both sequences, and how many times it occurs.

### Input

Input consists of several cases, each one with two sequences sorted in nondecreasing order. Every sequence starts with its number of items  $n$ , followed by the  $n$  elements, all between 0 and  $10^9$ . Suppose that every  $n$  is between 0 and  $10^5$ , and that at least one of the two sequences is not empty.

### Output

For every case, print which number occurs more times (the largest in the event of a tie), and how many times it occurs.

### Sample input

```
3 0 4 6
4 2 3 4 5

4 10 20 30 40
3 10 10 30

6 10 10 12 20 20 20
8 6 6 6 10 12 12 25 25

0
1 1000000000

4 42 800000000 800000000 1000000000
0
```

### Sample output

```
4 2
10 3
20 3
1000000000 1
800000000 2
```

### Problem information

Author : Salvador Roura

Translator : Salvador Roura

Generation : 2020-08-18 01:44:44

© Jutge.org, 2006–2020.

<https://jutge.org>