Starving velociraptor   X63705_en

The 10th grade class of a certain Catalan high school is going on a field trip. Just when the bus reaches the destination and the doors open, a starving velociraptor gets in looking like it just found its favorite candy. Alas! This things happen.

However, velociraptors are very intelligent and organized animals. It knows it won't be able to eat everyone but it's so hungry, so it decides to eat as many people as possible as long as all of them have the exact same weight. Naturally, the superior intelligence of velociraptors allows them to compute each person's weight with just a glimpse.

Input

Input contains several cases. Each case consists of a line with an integer $1 \leq n \leq 10^6$ indicating the number of people in the bus, followed by n numbers representing the weight of each person in the order they are seated. Every weight is between 30 and 150.

Output

Print a line for each case with the maximum number of people with the same weight, followed by the weight of these people. If case of a tie, choose the greatest weight.

Sample input

```
5 65 70 65 48 50
4 50 50 50 50
6 30 32 31 100 140 150
```

Sample output

```
2 65
4 50
1 150
```

Problem information

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