
Javelin**X20791_en**

Several friends are participating in a javelin competition. Each participant gets 6 attempts, and for each attempt the distance of the javelin throw is measured. The final score of each participant equals the distance of the longest attempt. An invalid attempt results in a distance of 0.

Input

The input starts with an integer N , the number of participants. On each of the following N lines is the name of a participant (as a single word) and the result of this participant's six attempts. The result of each attempt is a real number with two decimal places (representing the distance of the throw in meters and centimeters), or 0 if the attempt was invalid.

Output

For each participant, output their final score on a separate line on the following format, where X is the name:

X: YY.YY

Hint: Use "std::setprecision" in the <iomanip> library to print a fixed number of decimal places:

```
std::cout << std::setprecision( 2 ) << std::fixed << result;
```

Sample input

```
4
John 62.39 0 45.23 0 65.14 68.99
Emily 67.12 60.02 0 55.78 66.41 0
Richard 58.12 55.17 59.92 0 52.92 56.55
Jennie 59.12 0 0 0 55.12 60.01
```

Sample output

```
John: 68.99
Emily: 67.12
Richard: 59.92
Jennie: 60.01
```

Problem information

Author : Anders Jonsson

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