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Programming Competition 🔒 locked

by sreka11

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HackerRank has organized a hiring contest, from December until the end of January. The programmer who solves the most questions in this contest, will get an interview, which is the first step into getting hired in HackerRank. If multiple programmers have solved the highest number of questions (the case of a draw), the winner is the programmer with the maximum number of solved questions appearing first in the list as shown in the following example:

	Nr. of questions solved until December	Nr. of questions solved until January	Difference (Solved questions)	Ranking
Grace	4	8	4	3
Casey	3	12	9	1
Jim	7	10	3	4
Brandon	2	11	9	2
Julia	5	7	2	5

Given the number of programmers participating in the competition, their names and the number of questions they have solved from the beginning of December and until the end of January, find the name of the programmer who wins the competition and show how many questions he/she has solved during the competition.

Input Format

The first line contains an integer n denoting the number of programmers participating in the contest.
The following n lines contain a string $name_i$, which represents the name of each programmer and two integers d and j, where,
d - number of questions the programmer has solved until the beginning of December.
j - number of questions the programmer has solved until the end of January.

Constraints

- $3 \leq n \leq 1000$

- $0 \leq d \leq j \leq 200$

- $name_i$ (the name of each programmer) can be composed of digits (0 - 9), lowercase (a - z) and uppercase (A - Z) characters, and it is a non-empty string with at most 10 characters

- The names of all programmers are unique

Output Format

Print the name of the programmer who will win the competition and the number of questions he/she has solved during the period of the competition.

Sample Input 0

```
5
Arber 5 11
Ardit 4 12
Marsed 3 5
Gledi 2 2
Ana 1 6
```

Sample Output 0

```
Ardit 8
```

Explanation 0

	Nr. of questions solved until December	Nr. of questions solved until January	Difference (Solved questions)	Ranking
Arber	5	11	6	2
Ardit	4	12	8	1
Marsed	3	5	2	4
Gledi	2	2	0	5
Ana	1	6	5	3

- Arber has solved 6 questions.

- Ardit has solved 8 questions.

- Marsed has solved 2 questions.

- Gledi has solved 0 questions.

- Ana has solved 5 questions.

The winner is Ardit since he has solved most questions during contest time.

Sample Input 1

```
5
Arber 5 7
Gledi 2 9
Marsed 3 5
Ardit 4 11
Ana 1 6
```

Sample Output 1

```
Gledi 7
```

Explanation 1

	Nr. of questions solved until December	Nr. of questions solved until January	Difference (Solved questions)	Ranking
Arber	5	7	2	4
Gledi	2	9	7	1
Marsed	3	5	2	5
Ardit	4	11	7	2
Ana	1	6	5	3

- Arber has solved 2 questions.

- Gledi has solved 7 questions.

- Marsed has solved 2 questions.

- Ardit has solved 7 questions.

- Ana has solved 5 questions.

Gledi and Ardit have both solved 7 questions, but the winner is Gledi since he appears before Ardit in the list.

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Submissions: 6652
Max Score: 10
Difficulty: Easy

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More

Current Buffer (saved locally, editable)   ⑂ ⏱   C++14   ⌄   ⤢   ⚙

```cpp
 1  #include <cmath>
 2  #include <cstdio>
 3  #include <vector>
 4  #include <iostream>
 5  #include <algorithm>
 6  using namespace std;
 7
 8
 9  int main() {
10      /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11      return 0;
12  }
13
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

```cpp
 1  #include <cmath>
 2  #include <cstdio>
 3  #include <vector>
 4  #include <iostream>
 5  #include <algorithm>
 6  using namespace std;
```