Tok Tik
Problem ID: toktik

Tok Tik is a new app that youngsters are absolutely raving over. There they compete to get the most views. You have found yourself in a discussion with your friend on who is truly the most popular Tok Tikker of all time. You decide to define the most popular Tok Tikker of all time as the Tok Tikker who has the largest total number of views on all their Tok Tiks.

You are given a list of all Tok Tiks that have been uploaded to the whole internet. Each Tok Tik is described by what Tok Tikker uploaded it and how many views it has.

Determine what Tok Tikker is truly the most popular. There will always be a uniquely determined most popular Tok Tikker.

Input

The first line of the input contains one integer n ($1 \le n \le 10^5$) giving the number of Tok Tiks on the internet.

Then there are n lines, one for each Tok Tik, where the i-th line contains a string s_i and an integer a_i ($1 \le a_i \le 10^4$), denoting that the Tok Tikker s_i uploaded this video and a_i Tok Tikkers have viewed it. Every string s_i contains at most 20 English lowercase letters.

Output

Print a single line with the name of the Tok Tikker who's most popular.

Scoring

Group	Points	Constraints
1	50	$n \le 100$
2	50	No further constraints.

Sample Input 1

```
5
benni 1500
bjarki 1200
unnar 1300
arnar 1600
bjarki 710
```

Sample Output 1

```
bjarki
```

Sample Input 2

```
3
anna 5
anna 6
anna 7
```

Sample Output 2

```
anna
```

Sample Input 3	Sample Output 3
5 kalli 1 kalli 1 gummi 5 kalli 3 gummi 1	gummi