PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

F. Technical Issue

time limit per test: 6 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

After Al-Fursan Contest was over, Doctor Ashraf asked Hasan to give him the name of the winner from the sorted scoreboard. But there was a technical issue that made some of the entries in the scoreboard get out of order. As the rules of ACM contests state, the winner is the team that solves the highest number of questions. If there is a tie, then the team with the minimum total time wins. Help Hasan find the winner

Input
The first line of input contains a single integer **T** that represents the number of test cases.

The first line of each test case contains an integer **N** ($1 \le N \le 10^5$) that represents the number of teams participating in the contest. Each of the following **N** lines contains the following:

X_i : The team name, a string of no more than 10 lowercase letters and/or digits.

Y_i : The number of questions solved by the team ($1 \le Y_i \le 15$).

Z_i : The total time taken by the team ($1 \le Z_i \le 10^9$).

It's guaranteed that there is always one winner.

Output
For each test case, print the name of the winning team on a single line.

Example

input	Copy

```
2
4
team1 4 720
team2 5 940
team4 2 1203
team9 1 43
2
earlgrey 7 982
shai 7 981
```

output	Copy

```
team2
shai
```