# Problem C. Closing Ceremony

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|---|---|
| Input file: | *standard input* |
| Output file: | *standard output* |
| Time limit: | 1 second |
| Memory limit: | 256 mebibytes |

In the Berland, Qualification round of ACM ICPC Subregional Contest is finished. Director of the biggest site plans to announce the winning team at the closing ceremony. Unfortunately the Jury was calculating quotas for the final round of Subregional Contest, so they have just emailed contest log to him.

The header of the contest log contains a list of all teams with the number of solved problems and penalty times, ordered by some internal parameter. Following the ACM ICPC rules, the team which solved more problems, than all other teams is declared a winner.

In case of a tie between several teams, team with least penalty time between those teams is declared a winner.

It is guaranteed that no two teams have same number of solved problems and penalty time.

Director asked you to write a program, which reads the log and prints the name of the winning team.

## Input

First line of the input contains one integer $n$ ($n \le 100$) – number of teams participating in Qualification Round. Then $2n$ lines follow — team descriptors. Each team is described in two sequential lines. First line of the team description contains team name (nonempty string, consisting of no more than 20 uppercase or lowercase English letters, other characters are not allowed). It is guaranteed that team names are pairwise distinct. Second line of the team description contains two integers $p_i$ ($0 \le p_i \le 15$) and $t_i$ ($0 \le t_i \le 5000$) – number of solved problems and penalty time, respectively. Order of teams in the input file usually is different, than order in the standings table.

## Output

Print the line containing one string — name of the winning team.

## Example

| standard input | standard output |
|---|---|
| 5<br>Harvard<br>10 1358<br>MIPT<br>10 1437<br>Shanghai<br>11 1567<br>SPbSU<br>11 1560<br>Warsaw<br>10 1586 | SPbSU |