Find student with the highest score

You are given a student structure StudentID,Name,Grade*StudentID*,*Name*,*Grade*. Create a binary search tree saving the structure above. Find the student who earns the highest score in the list of N*N* students given.

Note: Grades of two any different students are distinct.

Input Format

The first line contains the number of students N*N* (0≤N≤103)(0≤*N*≤103).

In the next N*N* lines, each line contains the following information:

- StudentID*StudentID* is a sequence of 6 digits.
- Name*Name* is a string whose length is less than 5050 characters.
- Grade*Grade* is a float number which is in range [0,100][0,100].

Output Format

Print out the highest-scoring student with the following information: StudentID,Name,Grade*StudentID*,*Name*,*Grade*. That information is separated by space.

Sample test

inputcopy
4 016960 Taylor 7.6 001523 Kanye 8.0 420145 Kim 8.6 016236 Katy 9.5
outputcopy
016236 Katy 9.5