



Catch the Cheaters

locked

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Problem

Submissions

Leaderboard

Discussions

Editorial

ALBaba as been conducting coding contests everyweek.

Most people forgot ALBaba as an advanced plagiarism checker which checks for similarity between two codes of different people and some people are smart they copy the code from the discussions forums and the editorials and other sources available on the internet but his plagiarism checker takes care even of that using advanced web crawler algorithms.

The plagiarism tools gives as output a 2D matrix having 2 columns(one for similarity between other codes and one for similarity from the internet sources in form of a percentage 0 to 100) and each row represents a student taking part in the competition.

Given the matrix can you rank the students after the plagiarism check.

The first row has data of the student with ID 1 and ith row contains data of student with ID 2.

Your task is to print the ID of students from least plagiarism percentage total to the most plagiarism percentage total in case the students have same plagiarism percentage total the order your print the ID of students should be in their relative order as before.

Input Format

First line contains **T** the number of test cases. Then the coming line contains **N** the number of students who participated in the contest. Next N lines contain a N*2 matrix representing the plagiarism percentage of the two categories.

Constraints

- $1 \leq T \leq 10$
- $1 \leq N \leq 10^4$
- $0 \leq \text{percentage} \leq 100$
- percentage is a whole number it does not have decimal points.

Output Format

For each Testcase print in a single line the ID of students from least plagiarism percentage total to the most plagiarism percentage total in case the students have same plagiarism percentage total the order your print the ID of students should be in their relative order as before.

Sample Input 0

```
1
5
20 30
20 30
20 30
20 30
40 50
```

Sample Output 0

```
1 2 3 4 5
```

Explanation 0

Student	total_plagiarism_percentage
1	50
2	50
3	50
4	50
5	90

Sorting from least to greatest total_plagiarism_percentage we get 1,2,3,4,5

Sample Input 1

```
2
4
10 20
1 2
10 20
90 0
2
10 10
0 10
```

Sample Output 1

```
2 1 3 4
2 1
```

Explanation 1

Case 1:-

Student	total_plagiarism_percentage
1	30
2	3
3	30
4	90

Sorting from least to greatest total_plagiarism_percentage we get 2,1,3,4

Case 2:-

Student	total_plagiarism_percentage
1	20
2	10

Sorting from least to greatest total_plagiarism_percentage we get 2,1

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C



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
```

Line: 1 Col: 1

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