ICPC Assiut University Community
Ramadan Kareem

| 🇬🇧 🇷🇺

Ahmed_Essam_Yassin | Logout

HOME   TOP   CATALOG   CONTESTS   GYM   PROBLEMSET   GROUPS   RATING   EDU   API   CALENDAR   HELP

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

K. Ramadan Iftar

time limit per test: 1 s.

memory limit per test: 256 MB

input: standard input

output: standard output

During Ramadan, Our Assiut charity organization is distributing food packages to N needy families. Each family has varying sizes and monthly incomes. The organization aims to distribute the food packages in such a way that families with lower incomes and more members receive priority. However, they also want to ensure that larger families with slightly higher incomes are not overlooked.

Priority Criteria:

Families with lower incomes and more members (lower income per person) receive higher priority, In case of equal priority:

- The family with a higher number of members gets priority.
- If there's still a tie, the family with the lower index gets priority.

Write a program to assist the charity organization in distributing food packages efficiently.

Input
The first line of input contains a single integer N $(1 \le N \le 10^4)$ representing the number of families.

The next N lines contain two integers A and B $(1 \le A \le 20,\ 1 \le B \le 10^6)$ separated by a space. A represents the number of family members, and B represents the monthly income of each family.

Output
A single line containing N space-separated integers representing the indices of the families in one-based indexing.

Example

input	Copy

```
5
3 3700
4 6000
5 2600
6 20000
2 4200
```

output	Copy

```
3 1 2 5 4
```

Note
In the First Sample, representing the per-person income for each family:

Family 1: 1233.33

Family 2: 1500

Family 3: 520

Family 4: 3333.33

Family 5: 2400

When arranging these figures in ascending order, from the lowest to the highest:

The sorted sequence would be: Family 3, Family 1, Family 2, Family 5, and Family 4.

ICPC Assiut Ramadan Marathons

Private

Participant

⭐

→ About Group

→ Group Contests ⌄

- Ramadan Marathon 2024
- Ramadan Marathon 2023
- Ramadan Marathon 2021
- Ramadan Marathon Juniors 2020
- Ramadan Marathon Newcomers 2020
- Ramadan Marathon Newcomers 2019
- Ramadan Marathon Juniors 2019
- Ramadan Kareem - Marathon 2017

Ramadan Marathon 2024

Contest is running

26:07:59

Contestant

⭐

→ Submit?

Language: GNU G++20 13.2 (64 bit, win ⌄

Choose file: [Choose File] No file chosen

[Submit]

→ Last submissions

Submission	Time	Verdict
253141752	Mar/25/2024 01:04	Accepted
253141683	Mar/25/2024 01:02	Wrong answer on test 2