ICPC Assiut University Community
Juniors Phase 1 Training ,Do Your Best

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

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

J. The Grades

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You have N friends each of them you know his name and the grades of Arabic, Maths, Science, and English.

You have to sort them in decreasing order according to their total grade and if two of them have the same total grade, you have to sort them according to their names in a lexicographically increasing order.

Input

The first line of input an contains integer N ($1 \le N \le 10^3$).

Then next N lines, the i_{th} line contains string $Name$ ($1 \le |Name| \le 10$) the name of the i_{th} firnd,its guaranted that all N names are distncet, and Four integers A,M,S,E ($1 \le A, M, S, E \le 100$) the grades of Arabic, Maths, Science, and English respectively of the i_{th} frind.

Output

Print N lines, the i_{th} contains the name and the grades of Arabic, Maths, Science, and English of the i_{th} friend in this order after the sorting.

Example

input	Copy

```
7
Hussien 95 75 65 85
Hafez 98 57 75 68
Omar 77 68 75 64
Atef 56 97 75 94
Karemo 60 91 98 70
Ezzat 72 83 69 95
Muhammad 98 97 57 95
```

output	Copy

```
Muhammad 347 98 97 57 95
Atef 322 56 97 75 94
Hussien 320 95 75 65 85
Ezzat 319 72 83 69 95
Karemo 319 60 91 98 70
Hafez 298 98 57 75 68
Omar 284 77 68 75 64
```

ICPC Assiut University Training - Standard - Juniors Phase 1

Public

Participant

⭐

→ Group Contests   ⌄

- Standard #5 (Bits , bit-masking)
- Standard #4 (Binary search , two pointers)
- Standard #3 (set , sorting, compare function , map)
- Standard #2 (binary search , stack , queue, deque , priority queue)
- Standard #1 (Frequency , prefix sum , vector , pair ,struct)

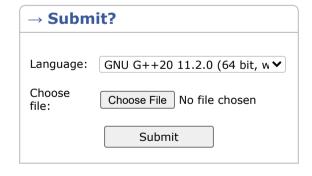**Standard #1 (Frequency , prefix sum , vector , pair ,struct)**

Finished

Practice

⭐

→ Virtual participation   ⌄

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest]

→ Submit?

Language: [GNU G++20 11.2.0 (64 bit, w ⌄]

Choose file: [Choose File] No file chosen

[Submit]

→ Last submissions

Submission	Time	Verdict
226287887	Oct/02/2023 14:54	Accepted
226199357	Oct/01/2023 20:45	Accepted