

## Beauty contest

*Consider a beauty contest.*

*Every contestant* has three scores provided: talent, intelligence, beauty.

Scores are range from 0.0 to 5.0 (may be fractional). The final winner will be judged by adding up these three scores.

The input contains several lines of numbers. Each line represents a contest.

Each line contains  $1+3n$  numbers. The first number is an integer which represents the number of contestants( $n$ ).

After the integer is  $3n$  fractional numbers, every three numbers means a contestant's talent, intelligence and beauty score.

We don't know how many contestants at most there will be, so you have to use dynamic memory allocation.

Sample input:

```
5 2.265 1.219 2.273 1.457 3.549 1.452 3.813 2.311 4.392 1.108 4.321 4.259 3.261 2.205 0.956
```

### LAB007

You should rank these contestants by their total score, and print out the index of the champion, second place, and the third place winner. (Note that the first input contestant's index is 1, second is 2)

The output of the above input should be:

```
3 4 2
```