

# Best Students

Quiz marks are very important for good grades. In AIUB most of the courses have 3 quizzes in every term. Professor X is very serious about these quizzes. In his class there are  $N$  students and all of them have to attend these 3 quizzes to pass the semester. Each quiz contains 20 marks. Now after the mid-term Professor X. sums up each student's total quiz marks to find the best students in the class. As you are his ex-best student he asked your help to write a program to make this process faster.

You are given  $N$  students quiz marks. Calculate each student's total marks and find the highest mark among them. Also how many students got that mark.

## Input

Input starts with an integer  $T$  ( $\leq 50$ ), denoting the number of test cases.

Each case starts with an integer  $N$  ( $1 \leq N \leq 100$ ) denoting the number of students. Next  $N$  lines contain 3 integers each  $q_1 q_2 q_3$  ( $0 \leq q_1, q_2, q_3 \leq 20$ ). The  $i$ th line denotes the quiz marks of the  $i$ th student.

## Output

For each test case print two integers  $H$  and  $S$ .  $H$  is the highest mark of the best student and  $S$  is the number of students who got  $H$  marks.

## Example

### Input:

```
2
3
10 12 15
12 12 15
15 10 15
2
5 7 9
1 15 5
```

### Output:

```
40 1
21 2
```

**P.S.** Contest is going on. Problem will be moved to tutorial section after the contest.