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Mangalyaan-2

Problem Code: **ACM14AM1**

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After the huge success of Mangalyaan this year, the ISRO (Indian Space Research Organization) is planning to launch a manned mission to Mars named Mangalyaan-2, in 2015. They obviously would want to select the best astronauts for this space mission. ISRO's research team has examined **N** available astronauts and computed a fitness score for each of them. It has been decided that astronauts with fitness score greater than or equal to a threshold score **P**, are eligible for the mission.

Can you report the number of eligible astronauts?

Input

The first line contains an integer **T** denoting the number of test cases.

Then for each test case, the first line contains two space separated integers **N** and **P** denoting number of astronauts and the threshold score respectively.

The second line of each test case contains N space-separated integers **A₁**, **A₂**, ..., **A_N** denoting the fitness scores of the astronauts.

Note: All fitness scores are distinct and are given in descending order.

Output

For each test case, output the number of astronauts eligible for the mission on a separate line.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 100$
- $1 \leq P \leq 1000$
- $1 \leq A_i \leq 1000$

Example

Input :

```
3
3 10
7 3 1
3 5
7 3 1
3 1
7 3 1
```

Output :

```
0
1
3
```

Explanation

In the first case, no astronauts are selected as none of them have fitness score greater than or equal to 10.

In the second case, the astronaut with score 7 is selected.

In the third case, all astronauts are selected.

All submissions for this problem are available.

Author: [admin](#)

Editorial: <https://discuss.codechef.com/problems/ACM14AM1>

Tags: [acm-icpc](#), [acmamr14](#), [admin](#)

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Languages: CPP14, C, JAVA, PYP3

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