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Buy Maximum Objects I

? Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Relevant For:

AZ-201

Description

There are N objects, and each object has some price. The price of i th object is A_i .
You have total money M , and you want to buy as many objects as possible.
Find the maximum objects that you can buy?

Input Format

The first line contains T , the number of test cases.
The first line of each test case contains N , the number of objects, and M , the money you have.
The second line of each test case contains N space-separated integers A_1, A_2, \dots, A_N .

Output Format

For each test case, print a single number representing the maximum objects that you can buy.

Constraints

$1 \leq T \leq 10^5$
 $1 \leq N \leq 10^5$
 $1 \leq A_i \leq 10^8$
 $1 \leq M \leq 10^8$
Sum of N over all test cases $\leq 5 * 10^5$.

Sample Input 1

Copy

```
3
5 5
1 3 2 4 5
5 10
1 3 2 4 5
5 20
1 3 2 4 5
```

Sample Output 1

Copy

```
2
4
5
```

C++14[GCC] ▾

Submit

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