Problem

There are **N** houses for sale. The i-th house costs $\mathbf{A_i}$ dollars to buy. You have a budget of **B** dollars to spend.

What is the maximum number of houses you can buy?

Input

The first line of the input gives the number of test cases, **T**. **T** test cases follow. Each test case begins with a single line containing the two integers **N** and **B**. The second line contains **N** integers. The i-th integer is $\mathbf{A_i}$, the cost of the i-th house.

Output

For each test case, output one line containing `Case #x: y`, where `x` is the test case number (starting from 1) and `y` is the maximum number of houses you can buy.

Limits

Time limit: 15 seconds per test set.
Memory limit: 1GB.
$1 \le \mathbf{T} \le 100$.
$1 \le \mathbf{B} \le 10^5$.
$1 \le \mathbf{A_i} \le 1000$, for all i.

Test set 1

$1 \le \mathbf{N} \le 100$.

Test set 2

$1 \le \mathbf{N} \le 10^5$.

Sample

Input	Output
3 4 100 20 90 40 90 4 50 30 30 10 10 3 300 999 999 999	Case #1: 2 Case #2: 3 Case #3: 0

In Sample Case #1, you have a budget of 100 dollars. You can buy the 1st and 3rd houses for 20 + 40 = 60 dollars.
In Sample Case #2, you have a budget of 50 dollars. You can buy the 1st, 3rd and 4th houses for 30 + 10 + 10 = 50 dollars.
In Sample Case #3, you have a budget of 300 dollars. You cannot buy any houses (so the answer is 0).

Note: Unlike previous editions, in Kick Start 2020, all test sets are visible verdict test sets, meaning you receive instant feedback upon submission.