

## 2624 - Vacation

### Description

Octavito is planning to visit the Tourist Kingdom for M days. This kingdom is full of lovely cities. During his stay Z would like to visit as many different cities as possible. He cannot visit more than one city on the same day.

Additionally, different cities may require him to stay for a different number of days. For each i, city i counts as visited if Z spends at least  $d[i]$  days in the city.

Help Z find the maximum number of cities he can visit during his vacation.

### Input specification

First a integer T, the number of test cases. For each test case, the first line is M and N ( $M, N \leq 50$ ), the total days Z has and the number of cities. Then N integers, meaning the  $int[]$  d.

### Output specification

The maximum number of cities Z can visit.

### Sample input

```
3
5 3
2 2 2
5 3
5 6 1
6 5
1 1 1 1 1
```

### Sample output

```
2
1
5
```

### Hint(s)

## Caribbean Online Judge

Source	José Nolberto Isac González
Added by	<b>Igvallejo</b>
Addition date	2013-11-11
Time limit (ms)	10000
<b>Test limit (ms)</b>	1000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text