**Book Allocation Problem**

**Problem Statements :**

You are given number of pages in n different books and m students. The books are arranged in ascending order of number of pages. Every student is assigned to read some consecutive books. The task is to assign books in such a way that the maximum number of pages assigned to a student is minimum.

**Input Format :**

First line contains integer t as number of test cases.

Next t lines contains two lines.

For each test case, 1st line contains two integers n and m which represents the number of books and students and 2nd line contains n space separated integers which represents the number of pages of n books in ascending order.

**Constraints :**

1 < t < 50

1< n < 100

1< m <= 50

**Output Format :**

Print the maximum number of pages assigned to students. (see input and output format)

**Sample Input :**

1

4 2

12 34 67 90

**Sample Output :**

113

**Explanation :**

1st students : 12 , 34, 67 (total = 113)

2nd students : 90 (total = 90)

Print max(113, 90)

**Time Limit :**