**Maximum Consecutive Sum**

**Time limit: 2 seconds**

**Problem Description**

There is an integer array. We want to find a consecutive subsequence in it, which have the maximal sum in all subsequences. For example, an array like this : -1, 5, 7, -2, 8, -2, 1, -5, -8, 4, 6, -2, the consecutive subsequence sum have (-1)+5 = 4, (-1)+5+7+(-2)+8=17, 5+7=12,…etc. And the Maximum consecutive sum in this array is 5+7+(-2)+8=18.

Hint: 本題要在一個整數陣列中找總和最大的連續一段。此題有多種解法，其中一種利用習題中的prefix-sum query。再計算完prefix sum後，從位置i到j的總和可以用一個減法得到，我們可以窮舉所有的i<=j，找最大的就是答案。

**Technical Specification**

Each integer is between -1000 and 1000.

The number of elements in each case is at most 5000.

Output 0 when all elements are negative.

**Input Format**

The first line contains an integer n which indicates the number of test cases. Each of the following n lines is a test case. Each test case starts with an integer m followed by m integers which are the elements of the array, separated by a space.

**Output Format**

Each of the n lines contains an integer which is the answer of the given.

**Sample input**

2

8 -2 -3 -1 -1 -3 -2 -3 -3

10 -8 6 -5 -2 8 -7 3 -3 -8 -8

**Sample output**

0

8