

# **Accenture Coding 04**

**Section: Coding** 

**DIRECTIONS** for the question: Mark the best option:

Question No: 105230

**Problem Title:** 

BITONIC\_SUBARRAY

# **Problem Statement**

Sumita has given a task to find the maximum sum bitonic subarray. Note that A bitonic subarray is a subarray in which elements are first increasing and then decreasing. A strictly increasing or strictly decreasing subarray is also considered as bitonic subarray. Given that an array containing N numbers. Time Complexity: O(n) Auxiliary Space: O(1)

# Input

The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of two lines. First line of each test case contains a integer N and the second line contains N space separated array elements.

# Output

For each test case, print the maximum bitonic subarray sum in new line.

#### **Constraints**

 $1 <= T <= 200 \ 1 <= N <= 10^5 \ 1 <= A[i] <= 10^5$ 

Sample Test Cases

**Input Output** 2 7 5 3 9 2 7 6 4 7 5 4 3 2 1 10 19 17

**DIRECTIONS for the question:** Solve the following question:

Question No: 105380

**Problem Title:** Nothing\_Given

**Problem Statement** 

Solve the mystery. Using sample input and output, figure out the logic to solve the question.

# Input

First number is T, the number of test cases. Next T numbers are integers, N.

# Output

Print T lines containing an answer corresponding to the T input numbers.

# **Constraints**

1<=T<=10^4 1<=N<=10^8

**Sample Test Cases** 

Input Output

10 2 6 12 60 5 169 1 8 23 1 2 4 6 12 2 3 1 4 2 9