**Stock Market**

Maxine, an aspiring entrepreneur, is looking for a way to boost her margins. She wants to write a program to maximize her profits from stock quotes and needs your help writing it. In each stock quote, you can choose to buy a stock, sell a number of your stocks, or do nothing.

**Input:** The first line contains **T**, the number of test cases. Each test case is two lines. The first line is **N**, the number of numbers on the next line. The next line contains **N** space-separated integers which represent how much you can buy or sell on that day.

**Output:** The maximum amount of profit you can make.

**Example Input:**

3

6

1 2 3 4 5 6

6

6 5 4 3 2 1

8

1 2 10 3 2 7 3 2

**Example Output:**

15

0

26

**Explanation:** In the first test, you can buy at 1, 2, 3, 4, 5 and then sell all at 6 (You achieve 15 because -1+-2+-3+-4+-5 = -15. 6\*5 = 30. 30-15 = 15).

In the second test case, there is nothing to buy for profit since it all goes down.

In the third test case, you can buy at 1, 2 and sell at 10. Then you can buy at 3, 2 and sell again at 7.

**Note**: the most profit is the maximum difference of all pairs in a sequence of stock prices.