2098 - I2P(II)2020_Chen_week2_HW Scoreboard



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# Problem	Asker	Description	Reply	Replier	Reply Time	For all team
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12367 - Gev cool~					Status Lim	nits Submit

Description A famous streamer once said: "Gey cool...gey...gey...gey... gey cool~". While

this streamer playing his video games, you still need to finish your OJ test. The following is your problem.

These \mathbf{n} numbers are placed in an array which position starts from 1.

You will have **n** numbers and **q** times of queries.

Each query includes two numbers **a**, **b** which indicate the range from position

a to position b.The sum of a range indicates the sum of numbers from position a to position

b. The rules to sum up all the numbers are as follow.

If **a** is bigger than **b**, you need to sum up the numbers from **a** to the end and

also the part from start to **b**.(blue part)



a b

If a is smaller than b you just need to sum up the numbers from a to b.(blue

If **a** is equal to **b**, than there's only one number, and the number will be the sum.(blue part)

Your task is finding the range from queries that has the maximum sum. Print the range and it's value.

a,b

If you find multiple answers, you only need to answer the first one appear in the queries.

Note that the position starts from 1.

You can use prefix sum to solve this problem.

```
the photo of the famous streamer)
```

Input end with **EOF**.

Each testcase contains several lines.

First line contains two integer $n(1 \le n \le 2000000)$ and $q(1 \le q \le 2000000)$

Second line contains **n** integers. Each number ranged from $1\sim1000000000$. The following are **q** lines. Each line contain two integer **a,b(1<= a,b <=n)**

Testcases are divided by a blank line.

Output

Max_range: (%d,%d); Value: %d

range.

Sample Input

105

33

The first two integer means the two numbers which indicate the maximum

For each testcases print the answer in the following format:

The last integer means the sum of this range.

Remember to print \n at the end of each output.

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```
10 1
4 4
8 1
9 9
```

7 1 19 14 8 14 20 10 3 8

```
108
    16 17 18 11 999 6 5 1 18 20
    12
    68
    6 10
    3 4
    73
    55
    69
    14
    105
    7 1 19 14 8 14 20 10 3 8
    24
    10 1
    4 4
    8 1
    99
Sample Output
                         Download
```

Max_range: (8,1); Value: 28 Max_range: (5,5); Value: 999

Max_range: (2,4); Value: 34

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Contact us: nthucsoj@gmail.com

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