October Circuits '18 LIVE
Oct 26, 2018, 09:00 PM IST - Nov 04, 2018, 10:00 PM IST

19 : 51 : 45
HRS   MIN   SEC

LIVE EVENTS

INSTRUCTIONS   PROBLEMS   SUBMISSIONS   LEADERBOARD   ANALYTICS   JUDGE

← Problems / Reversing elements

Reversing elements

Max. Marks: 100

You are given an array A of size N and Q queries. For each query, you are given two indices of the array L and R. The subarray generated from L to R is reversed. Your task is to determine the maximum sum of the subarrays.

Note: After each query is solved, the array comes to its initial states.

Input format

- First line: Two space-separated integers N and Q
- Next line: N space-separated integers denoting the array elements.
- Next Q lines: Two space-separated integers in every line denoting the values of L_i and R_i

Output format

For each query, print the required answer in a new line.

Constraints

- $1 \le N, Q \le 10^5$
- $1 \le L \le R \le N$
- $-10^6 \le A_i \le 10^6$

SAMPLE INPUT	SAMPLE OUTPUT
5 2 3 -1 4 2 -1 3 4 1 2	8 9

Explanation

Given array is {3,-1,4,2,-1}.

For first query L=3 and R=4. Now the array becomes {3,-1,2,4,-1}.

Maximum sub-array sum is 8 and the sub-array is {3,-1,2,4}.

For second query L=1 and R=2. Now the array becomes {-1,3,4,2,-1}.

Maximum sub-array sum is 9 and the sub-array is {3,4,2}.

Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.   Save   Bash (GNU bash, version 4.3 ▼)

```
1  # Sample bash code
2
```

1:1

Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).
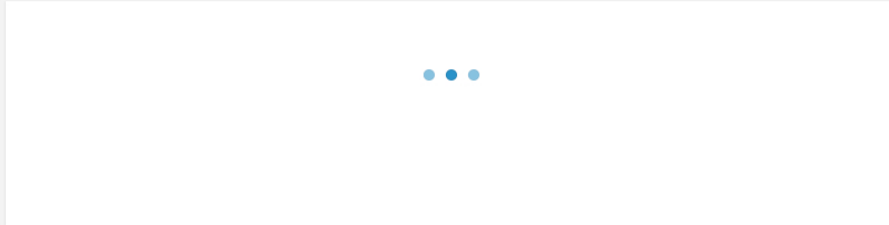
▣ Provide custom input

COMPILE & TEST   SUBMIT

🖊 **Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.

Your Rating: