

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

F. update range

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

you have an array  $a$  of size  $n$ , and you need to answer  $q$  queries. each query need you to add the  $val$  to all numbers from index  $L$  to index  $R$ .

Input

the first line contains two integer  $n$  the size of array, and  $q$  number of queries,  $(1 \leq n, q \leq 10^5)$ .

The second line contains  $n$  numbers  $a_i(0 \leq a_i \leq 10^9)$ .

the next  $q$  lines contains  $L, R, val(1 \leq L \leq R \leq n, 1 \leq val \leq 10^9)$ .

Output

print the array after updates.

Example

input	Copy
<pre>5 3 1 0 1 0 1 1 2 1 3 5 3 1 5 2</pre>	
output	Copy
<pre>4 3 6 5 6</pre>	

ICPC Assiut University Training - Standard - Juniors Phase 1

Public
Participant


→ Group Contests

- Standard #5 (Bits , bit-masking )
- Standard #4 (Binary search , two pointers )
- Standard #3 (set , sorting, compare function , map )
- Standard #2 (binary search , stack , queue, deque , priority queue)
- Standard #1 (Frequency , prefix sum , vector , pair ,struct)

Standard #1 (Frequency , prefix sum , vector , pair ,struct).

Finished
Practice


→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 11.2.0 (64 bit, w

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">226288154</a>	Oct/02/2023 14:56	Accepted
<a href="#">226182914</a>	Oct/01/2023 18:29	Accepted
<a href="#">226178596</a>	Oct/01/2023 17:53	Accepted
<a href="#">226178399</a>	Oct/01/2023 17:51	Wrong answer on test 2