ICPC Assiut University Community
Juniors Phase 1 Training ,Do Your Best

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HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP ICPC CHALLENGE🏆

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
```
5 3
1 0 1 0 1
1 2 1
3 5 3
1 5 2
```

output
```
4 3 6 5 6
```

→ Submit?

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

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
226288154	Oct/02/2023 14:56	Accepted
226182914	Oct/01/2023 18:29	Accepted
226178596	Oct/01/2023 17:53	Accepted
226178399	Oct/01/2023 17:51	Wrong answer on test 2