ICPC Assiut University Community





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

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

I. Using vector

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

You have an array A of N integers and q queries in the following format:

- pop_back : remove the last number in the array
- ullet front: print the first element in the array
- back: print the last element in the array
- $sort\ l\ r$: where $(1 \le l, r \le |A|)$ sort all elements of A fron l to r.
- $reverse\ l\ r$: where $(1 \le l, r \le |A|)$ reverse all elements of A fron l to r.
- $print\ pos$: where $(1 \leq pos \leq |A|)$ print the element in the index pos
- $push_back x$: where $(1 \le x \le 10^9)$ add x in the end of the array.

It's guaranteed that in the first 6 types of the query, the array is not empty

Input

The first line of input contains two integers N, q $(1 \le N, q \le 10^3)$. The second line contains N integers $(1 \le A_i \le 10^9)$ The next q lines contain the queries.

Output

Print the answer to the queries in separate lines

Example



<u>ICPC Assiut University Training -</u> <u>Standard - Juniors Phase 1</u>

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

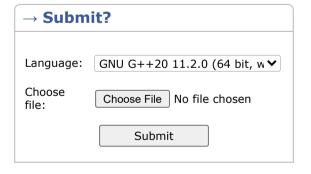


→ Virtual participation



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



→ Last submissions		
Submission	Time	Verdict
226287935	Oct/02/2023 14:55	Accepted
226197584	Oct/01/2023 20:30	Accepted