

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
- $front$: print the first element in the array
- $back$: print the last element in the array
- $sort\ l\ r$: where $(1 \leq l, r \leq |A|)$ sort all elements of A from l to r .
- $reverse\ l\ r$: where $(1 \leq l, r \leq |A|)$ reverse all elements of A from l to r .
- $print\ pos$: where $(1 \leq pos \leq |A|)$ print the element in the index pos
- $push_back\ x$: where $(1 \leq x \leq 10^9)$ 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 $(1 \leq N, q \leq 10^3)$. The second line contains N integers $(1 \leq A_i \leq 10^9)$ The next q lines contain the queries.

Output

Print the answer to the queries in separate lines

Example

input	Copy
8 7 2 4 9 5 3 4 7 2 sort 5 8 pop_back back reverse 1 6 front push_back 1 print 4	
output	Copy
4 3 9	

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

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