

C. permutations

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

you have an string s of length n and q queries .each query is one of two type:

- $next_permutation\ x$: mean print the next permutation of s after x step.
- $prev_permutation\ x$: mean print the previous permutation of s after x step.

Input

The first line of input contains two integers n,q ($1 \leq n,q \leq 100$). The second line contains the string s . The next q lines contains the queries. ($1 \leq x \leq 100$).

Output

print the string after each query in one line.

Example

inputCopy

9 6
yqcnsfzpp
prev_permutation 7
next_permutation 5
prev_permutation 9
prev_permutation 6
prev_permutation 7
next_permutation 1

outputCopy

yqcnpzfsp
yqcnsfppz
yqcnpspzf
yqcnppszzf
yqcnpfspz
yqcnpfszp

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 #2 (binary search , stack , queue, deque , priority queue).

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
226498061	Oct/03/2023 23:34	Accepted