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# B. Queries on a String

time limit per test: 2 seconds memory limit per test: 256 megabytes input: standard input output: standard output

You are given a string S and should process M queries. Each query is described by two 1-based indices  $I_i$ ,  $r_i$  and integer  $k_i$ . It means that you should cyclically shift the substring  $S[I_i...r_i]$   $k_i$  times. The queries should be processed one after another in the order they are given.

One operation of a cyclic shift (rotation) is equivalent to moving the last character to the position of the first character and shifting all other characters one position to the right.

For example, if the string S is abacaba and the query is  $I_1 = 3$ ,  $r_1 = 6$ ,  $k_1 = 1$  then the answer is abbacaa. If after that we would process the query  $I_2 = 1$ ,  $I_2 = 4$ ,  $I_3 = 1$  then we would get the string baabcaa.

# Input

The first line of the input contains the string  $S(1 \le |S| \le 10\,000)$  in its initial state, where |S| stands for the length of S. It contains only lowercase English letters.

Second line contains a single integer  $m (1 \le m \le 300)$  — the number of queries.

The i-th of the next m lines contains three integers  $l_i$ ,  $r_i$  and  $k_i$   $(1 \le l_i \le r_i \le |s|, 1 \le k_i \le 1000000)$  — the description of the i-th query.

## Output

Print the resulting string S after processing all M queries.

## Examples

input	
abacaba 2 3 6 1 1 4 2	
output	
baabcaa	

# Note

The sample is described in problem statement.

# **Educational Codeforces Round 1**

## **Finished**

## → Virtual participation

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Start virtual contest



#### → Contest materials

Announcement

Codeforces (c) Copyright 2010-2016 Mike Mirzayanov The only programming contests Web 2.0 platform Server time: Nov/30/2016 19:19:39<sup>UTC+8</sup> (c4).

Desktop version, switch to mobile version.