## rotate it

Rotate the given string starting at the given place from the end with wrapping around at the end. You are allowed to use only BrainFck!

## Input

Given an integer of strictly 2 digits and a string (length <=99) in the same line without space between them. You may assume that the string consists of only printable characters and that the length of string is more than the given integer.

## Output

One string of the same length as input and which has same characters in different order as described by problem.

## Example

Input:
04abcdefgh

## Output:

efghabcd

