

BF Vector

Your task is to put in the output nth character of the read input. You have to use BF.

Input

- First line have x chars ($1 \leq x \leq 99$) and ends with a line feed (10)
- Second line is one number n ($00 \leq n \leq 99$)

Output

It's only one character.

Example

Input:

01234567
02

Output:

2

Input:

0112ok3-12kewpl11,2eo12o3ke12ls12w1io2j34e12md
14

Output:

l