

## A. Olesya and Rodion

time limit per test

1 second

memory limit per test

256 megabytes

input

standard input

output

standard output

Olesya loves numbers consisting of  $n$  digits, and Rodion only likes numbers that are divisible by  $t$ . Find some number that satisfies both of them.

Your task is: given the  $n$  and  $t$  print an integer strictly larger than zero consisting of  $n$  digits that is divisible by  $t$ . If such number doesn't exist, print - 1.

### Input

The single line contains two numbers,  $n$  and  $t$  ( $1 \leq n \leq 100$ ,  $2 \leq t \leq 10$ ) — the length of the number and the number it should be divisible by.

### Output

Print one such positive number without leading zeroes, — the answer to the problem, or - 1, if such number doesn't exist. If there are multiple possible answers, you are allowed to print any of them.

### Examples

#### input

Copy

3 2

#### output

Copy

712