## Description

A friend of yours has just bought a new computer. Before this, the most powerful machine he ever used was a pocket calculator. He is a little disappointed because he liked the LCD display of his calculator more than the screen on his new computer! To make him happy, write a program that prints numbers in LCD display style.

## Input

The input line includes two integer numbers $s$ and $n$, where $n$ is the number to be displayed ( $0 \leq n \leq 99,999$, 999) and $s$ is the size in which it shall be displayed ( $1 \leq s \leq 10$ ).

## Output

Print the numbers specified in the input line in an LCD display-style using $s$ "-"signs for the horizontal segments and $s$ "-" signs for the vertical ones. Each digit occupies exactly $s+2$ columns and $2 s+3$ rows. Be sure to fill all the white space occupied by the digits with blanks, including the last digit. There must be exactly one column of blanks between two digits.

Output a blank line after each number. You will find an example of each digit in the sample output below.

## Sample Input \& Output

| input | output |
| :---: | :---: |
| 212345 |  |
| 367890 |  |

