SWE2004: Principles in Programming (Spring 2013)

Programming Lab #1 Due-date : <u>March 13th</u>, 11:59 PM

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 ($0 \le n \le 99$, 999, 999) and *s* is the size in which it shall be displayed ($1 \le s \le 10$).

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 2s + 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

