

SSE2025: Problem solving Techniques and Process (Spring 2013)

Programming Lab #1

Due-date : March 12th, 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

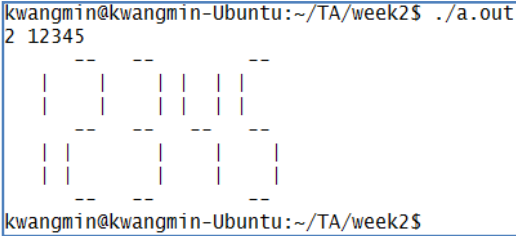
The input line includes two integer numbers s and n , where n is the number to be displayed ($0 \leq n \leq 99,999,999$) and s is the size in which it shall be displayed ($1 \leq s \leq 10$).

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 $2s + 3$ 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

input	output
2 12345	
3 67890	