Squares (2)   P34080_en

Write a program that prints squares $n \times n$. Draw each square independently, and start filling it with 0, 1, ..., 9, 0, etc.

Input

Input consists of several natural numbers between 1 and 9.

Output

For every n, print a square of size $n \times n$, by filling it with 0, 1, ..., 9, 0, etc. Separate two squares with an empty line.

Sample input 1	Sample output 1
3	012
1	345
6	678
	0
	012345
	678901
	234567
	890123
	456789
	012345

Sample input 2	Sample output 2

Sample input 3	Sample output 3
5	01234
	56789
	01234
	56789
	01234

Problem information

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