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The Virtual Learning Environment for Computer Programming

## Latin square

P18900_en
Write a program that prints all the latin squares $n \times n$ with the first row in increasing order. A latin square must contain all the nummbers between 0 and $n-1$ in each row and column.

## Input

Input consists of a natural number $1 \leq n \leq 5$.

## Output

Your program must print all the latin squares $n \times n$ with the first row in increasing order. It must print a line in white after each combination.

## Information about the checker

You can print the solutions to this exercise in any order.

## Sample input

3

## Sample output

012
120
201
012
201
120

## Problem information

Author: Salvador Roura
Translator : Carlos Molina
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