SUDOKU

CHALLENGE DESCRIPTION:

Sudoku is a number-based logic puzzle. It typically comprises of a 9*9 grid with digits so that each column, each row and each of the nine 3*3 sub-grids that compose the grid contains all the digits from 1 to 9. For this challenge, you will be given an N*N grid populated with numbers from 1 through N and you have to determine if it is a valid sudoku solution. You may assume that N will be either 4 or 9. The grid can be divided into square regions of equal size, where the size of a region is equal to the square root of a side of the entire grid. Thus for a 9*9 grid there would be 9 regions of size 3*3 each.

INPUT SAMPLE:

Your program should accept as its first argument a path to a filename. Each line in this file contains the value of N, a semicolon and the sqaure matrix of integers in row major form, comma delimited. E.g.

```
4;1,4,2,3,2,3,1,4,4,2,3,1,3,1,4,2
4;2,1,3,2,3,2,1,4,1,4,2,3,2,3,4,1
```

OUTPUT SAMPLE:

Print out True/False if the grid is a valid sudoku layout. E.g.

```
True
False
```