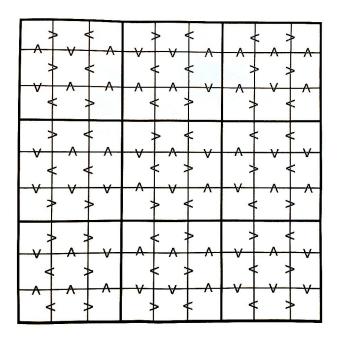
FreakSudoku

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Abstract

First MAI-CPP assgnment.

1 Introduction



FreakSudoku is a variant of sudoku where no initial values are given, but there are greater-than relations inside 3×3 squares that the values must satisfy (see the picture).

One solution for the previous instance is

8 3 4 9 6 7 2 5 1

9 1 5 2 3 8 7 6 4

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6 5 7 3 2 9 1 4 8

4 8 9 1 7 5 6 2 3

3 2 1 8 4 6 5 9 7

```
7 4 3 5 8 2 9 1 6
1 6 2 7 9 3 4 8 5
5 9 8 6 1 4 3 7 2
```

You have to write a MiniZinc model for FreakSudokus. The model must be parameterized in such a way that different puzzles can be passed over the model as .dzn files. The format of .dzn files has to be as follows:

```
horizontal =
[| ">","<",">","<",">",">","
| ">","<","<",">",">","
| "<",">","<",">"," ","
| ">","<",">","<","<","
| ">","<",">","<","<","
| ">",">","<",">","<","
| ">",">",">","<",">","
| ">",">",">","<",">",">","<","
| "<",">",">","<",">",">","<","
| "<",">",">","<",">",">","<",">","
| "<",">",">","<",">","<",">","<",">","

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