FUTOSHIKI PUZZLE SOLVER

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Introduction

Approach

- Taking puzzle as input
- Processing it and giving solution to the user

Challenges

- Disobeying inequalities
- Making our code generalized
- Pushing files into git

Learnings

- Latex
- Gitlab
- Team Work
- Self learning

Tech Stack

- OS : Windows 10, Ubuntu 16.04
- Language : Python 3.7.2
- Latex, Gitlab

GIT

Demo


```
Enter puzzle size:
5
enter the entries row wise:
5 > 0 x 0 x 0 x 3
x x x x x x x x x
0 x 0 > 1 x 0 x 2
x x x x x x x x x
0 x 0 < 4 x 0 x 0
v x ^ x x x x x x
0 x 0 x 3 x 0 x 1
x x x x x x x x x
1 x 2 x 0 x 0 x 0
Solution:
5 > 1 x 2 x 4 x 3
x x x x x x x x x
3 x 4 > 1 x 5 x 2
x x x x x x x x x
2 x 3 < 4 x 1 x 5
v x ^ x x x x x x
4 x 5 x 3 x 2 x 1
x x x x x x x x x
1 x 2 x 5 x 3 x 4
```

```
Enter puzzle size:
4
enter the entries row wise:
2 < 0 > 0 x 1
x x x x x x x
0 x 3 x 0 < 4
x x v x ^ x x
0 x 0 x 0 x 2
x x x x x x x
4 x 2 x 0 x 0
Solution:
2 < 4 > 3 x 1
x x x x x x x
1 x 3 x 2 < 4
x x v x ^ x x
3 x 1 x 4 x 2
x x x x x x x
4 x 2 x 1 x 3
```

Statistics

- Total lines of code : 109
- Total functions : 15
- Commits: 61

Thank you!!!