

Flow Free

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Results

Neither of the solutions implemented in the files `flow-solver.pl` and `flow-solver-V2.pl` are able to generate a correct SAT encoding of the Flow Free game, even though I believe them to be close to the solution.

Script

An automated script is provided in `flow.sh` to gather and compile the necessary pieces of the solver, in order to ease testing it. Calling this script without any arguments will provide a meaningful explanation of its usage. To solve a particular instance of the Flow Free problem, once the appropriate execution permissions have been granted to the script, we can execute:

```
./flow.sh instance.pl
```

Contents

This directory contains the following files:

- `displayFlow.pl` - Utility script to parse the SAT model into a PostScript file.
- `entradaFlow9.pl` and `entradaFlow14.pl` - Sample problems (instances).
- `example-result.pdf` - Result example for the `entradaFlow9.pl` instance file.
- `flow-solver.pl` - The main version of the Flow solver.
- `flow-solver-V2.pl` - A second version of the Flow solver.
- `flow.sh` - An automated script to execute the solver.
- `main.pl` - The main procedure of the final solver, modularized in a separate file.