

Project ReadMe

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Tested on Ubuntu Linux.

To install all necessary dependencies visit:

<http://www.fast-downward.org/ObtainingAndRunningFastDownward>

All necessary instructions to bring the planner to run, can be found there. Then replace the downward folder with the unpacked provided zip-file. With the following terminal command you can run the visualizer.

```
python3 visual.py
```

The program will now prompt to select a problem. A valid example is:

```
p01.pddl
```

The planner will run for a moment and subsequently a window will open displaying the current state for the planner. This state is the initial state, the snake has not moved.

Note here that there are problems that seem to be solved well and others that are not solved well. Here is a list with all problems as well as what to expect:

- p01: No errors expected.
- p02: No errors expected.
- p03: False food spawn on snake (based on planner).
- p04: No errors expected.
- p05: No errors expected.
- p06: No errors expected.
- p07: The planner did not finish in reasonable time my experience.
- p08: The planner did not finish in reasonable time in my experience.
- p09: No errors expected.
- p10: No errors expected.

- p11: No errors expected.
- p12: No errors expected.
- p13: False food spawn on snake (based on planner).
- p14: The planner did not finish in reasonable time in my experience.
- p15: False food spawn on snake (based on planner).
- p16: The planner did not finish in reasonable time in my experience.
- p17: The planner did not finish in reasonable time in my experience.
- p18: The planner did not finish in reasonable time in my experience.
- p19: The planner did not finish in reasonable time in my experience.
- p20: The planner did not finish in reasonable time in my experience.

For further insight regarding the process, please refer to `visual.py` and its in-line documentation.