

6.S078 Planning Algorithms, Fall 2014

October 17, 2014

Assignment 4 (due Wed. Oct 29 before class)

The objective in Assignment 4 is for you to get some experience in specifying a domain in PDDL and running an existing planner.

- Please do the assignment described here:

<http://www.csee.umbc.edu/courses/graduate/671/fall112/hw/hw6/>

Note that “These three objects...” should say “These four objects...”. If something is not completely specified, please feel free to make the assumptions you need to get something mildly realistic and just document them in your write-up.

- Please submit a brief write-up that explains what you did and summarizes any issues that you ran across.
- If you have trouble with the Blackbox planner, you might try the FF-X planner, which needs to be compiled but seems to compile easily on Linux and Mac (I have not tried Windows):
<http://fai.cs.uni-saarland.de/hoffmann/ff.html>
- Another version of FF (with a Linux executable) can be found at:
<http://fai.cs.uni-saarland.de/hoffmann/PlanningForDummies.zip>
- **Please try to install and execute the a simple example as soon as possible, so you can tell if you’re going to have installation issues. If you have trouble, tell me right away.**
- Depending on the exact formulation and the planner that you use, solving these problems can take a long time (hours). So, give yourself some reasonable upper bound of time and then kill it if it hasn’t completed. You could try a simpler domain (fewer operators or fewer objects) instead.
- Please send email to ask for any clarifications.