

Week 2 Progress Report

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November 6, 2020

Per my proposal, the tasks for this week were as follows:

- Finish creation of model
- Validate model with the checks previously mentioned and debug as needed
- Create LTL files for specifications

I created the LTL files for specifications and am mostly done with the model. My original timeline was a bit too ambitious, so I am slightly behind. I plan to devote time this weekend to catch up and finish and debug the model so that I am ready to start running it next week. I will also spend time this weekend developing my midterm presentation, which I expect to focus on the time steps or "frames" of the simulation and how they can be handled in Spin, as this subject seems to have presented difficulties for others. Currently, I plan to handle time step numbers only in so far as they are needed to prove the specifications, and not keep a running total as a global variable. In general, there aren't many values that need keeping track of globally, and most can be overwritten at the end of each process.