Major Changes: There have been no major changes in the scope of my project.

What I Have Accomplished Since My Last Meeting: My mentor and I found out that the algorithms I was considering last time did not work correctly. However, we found that the earlier recurrence I had found seemed to give a new lower-bound for the number of rounds of adaptivity needed. Following this, we also came up with an algorithm that seems to improve upon the baseline algorithm for one round of non-adaptivity.

Meeting Your Milestone: I have met my milestone of thinking more deeply about a promising idea.

Surprises: There have not been any major surprises in my project since my last bi-weekly status meeting. One minor surprise is that the algorithm we had originally thought was promising did not work, and then we set about trying to find a lower bound and in the course of that found a different algorithm that seems to be correct and also more efficient than the baseline, so the next thing to do would probably be try to double-check that it is correct and then make it faster.

Looking Ahead: I am writing out the algorithm to double-check its correctness and will also plug it back into the recurrence to try and get a better upper bound for rounds of non-adaptivity needed. Then I will see whether it is possible to improve the algorithm further to make it more efficient (with one round of non-adaptivity).

Revisions to Your Future Milestones: I don’t have any revisions to future milestones.

Resources Needed: I have all of the resources I need to complete my 15-400 project.