Graph Theory Project 2
Due: May 1 at 4PM

Description

Choose one of the following options by 3/26. Create an overview of the topic and choose one of the open problems associated with the topic. You should write a program or create another model that demonstrates the problem. You can attempt to improve on the known limits of your problem. At the end of the semester, you will make a 20 minute presentation where you show your program and discuss your progress on the problem including what worked and what didn't.

You may work in groups of up to 3 people. If you choose to work in a group, that group needs to email me by April 1, 2020.

Before May 1st at 4PM, you need to submit a recorded presentation where you describe the problem, show your demonstration of the problem, and describe your attempts to improve the known limits of the problem. **Topics**

1. Roman Domination
2. Edge Coloring
3. Max Flow
4. Chess problems

Due Dates

May 1: Presentation (with recording) due by 4PM

Rubric:

1. Description of the open problem (25 pts)
2. Implementation of problem (35 pts)
3. Attempt at progress on the open problem (20 pts)
4. Presentation (20 pts)