15-400 Milestone 4
https://j-b-z.github.io/

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1   Milestone progress

This milestone goal was to explore other families of connected conflict graphs and explore their properties and strategyproofness. Since then, I have shown that one set of connected conflict graphs indeed do not satisfy strategyproofness, while another closely related family I was not able to show yet.

I have met with the PhD students weekly to discuss different properties to explore while tackling this issue. Going into the next milestone, my goal is to explore other families and attempt to generalize my findings to larger sets of connected authorship graphs.

2   Changes

Currently, there are no changes to the rest of the milestones. However, the previous idea of using brute force computation to show the negative result does not seem applicable to this problem. I will continue to tackle the problem and will make changes according to progress made in the next following weeks.

3   Resources

I will not require any additional resources.