

15-400 Milestone 4

<https://j-b-z.github.io/>

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February 2019

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, it seems that some families of connected graphs that seem closely related do not share many common features for showing strategyproofness. I will look into this more in the next coming weeks.

3 Resources

I will not require any additional resources.