

15-400 Milestone 5

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

Jeremy Zhang (jbz)

March 2019

1 Milestone progress

This milestone goal was to use several strategies of problem solving to prove negative results for families of connected conflict graphs similar to the families I've worked with previously. Using the result I have shown for the previous family, I was able to generalize to a larger family of graphs, as desired, using a reduction. I have also type-setted these results and have sent these results to Shah and his PhD students for review.

Going into the next milestone, I will change my focus from theoretical results to empirical results. Shah has sent me code for a Toronto Paper Matching System and has instructed me to familiarize myself with the code, such that I can construct a similarity matrix for the ICLR conference.

2 Changes

Since I have currently spent lots of time on the theoretical result, and have made some progress, I am now shifting focus to showing some empirical results. Though this is not very similar to the theoretical results I have shown, I have clear guidance from Shah so I expect to make some progress in this area.

3 Resources

Resources are being provided by Nihar Shah and I will not require any additional resources.