

Graph Theory Project

Steps:

- 1) Parse the regular expression from infix to postfix notation.
- 2) Build a series of small NFA's for parts of the regular expression.
- 3) Use the smaller NFA's to create the overall NFA.
- 4) Implement the matching algorithm using the NFA.

Step 1 –

To do this step I will need to learn how to implement the shunting yard algorithm, through videos provided and research online.

I will add a feature of user input. This will make it easier to test various strings.

Step 2 –

To do this step I needed to learn how to use the postfix notation to create small NFA's, In the video on LearnOnline we were shown how to do this by using fragments.

Step 3 –

Once step two was finished it should be manageable to use the small NFA's to create a bigger one.

Step 4 –

Looking at the video provided on matching we need to be able to take in two strings. I will use user input to do this so I can again test various strings and regular expressions.