

CS250 Lab 5 – Properties of Regular Languages

Objectives: In this lab you will learn how to

- demonstrate closure properties of regular languages
- develop algorithms regarding regular languages

Assignment 1:

Complete exercise #10 on p112 of the text. You may use the closure properties that we proved in class.

Assignment 2:

Complete exercise #17 on p112. You may use the closure properties that we proved in class.

Assignment 3:

Complete exercise #21 on p113. Describe how you would modify a FA for L to get a FA for the language $\text{tail}(L)$.

Assignment 4:

Complete exercise #7 on p116.

Assignment 5:

Complete exercise #12 on p116. You may use an algorithm that we discussed in class as well as Assignment 3.

Submit your files in goucherLearn for grading.