Assignment 5 (partial)

Fall 2023

Given: Fri, Oct 6

Due: Fri, Oct 20, 9:00 a.m.

- 1. Give a regular expression for each of the following languages. In each case, the alphabet is $\{0,1\}$.
 - (a) The language of strings that begin with 00 and end in 11.
 - (b) The language of strings of length at least three that have a 1 three positions from the end.
 - (c) The language of strings of even length that start with a 0.
- 2. Convert the regular expression $((0 \cup 1)1)^*$ into an NFA. Use the algorithm we learned in class. Don't take any shortcuts.