

Homework 9 (CS/Math 385)

due November 16, 2018

Universal Rule for all homework: Unless otherwise stated, all solutions must include a brief proof that they are correct. For problems that involve following a procedure we have discussed in class, showing the steps you took and giving an indication of what was done at each step (for example writing that “State q_3 was removed to obtain the following equivalent super-NFA.”) suffices to satisfy the rule.

Section 8.1: 1, 7cd

Section 9.1: 3, 7f, 11d

Section 10.1: 5, 6

You may use facts we proved in class without proving them again.