CSci 3501 Assignment 6

Due Mon., Oct. 23 in class

Problem 1. (8 points) Sipser, exercise 1.7 b, c, d, g (hint: the one-state NFA for recognizing the language of all zeros that we considered in class may give you an idea).

Problem 2. (9 points) Sipser, exercises 1.8 a, 1.9 b (note that the empty set denotes a language that does not contain any strings, not even an empty string - what NFA recognizes this language?), 1.10 a.

Problem 3. (6 points) Sipser, exercises 1.11, 1.14 b.

Problem 4. (7 points) Sipser, exercise 1.16.