CSci 3501 Assignment 7

Due Wedn., Nov. 1 in class

Problem 1 (12 points). Sipser, exercise 1.18 p. 86 (languages a, b, e, f, k, n only).

Problem 2 (5 points). Sipser, exercise 1.19b,c on p. 86.

Problem 3 (6 points). Sipser, exercise 1.21a on p. 86.

Problem 4 (3 points). Sipser, exercise 1.29b p. 88.

Problem 5 (6 points). Sipser, exercise 1.46a,c (hint: if a language is regular, its complement is also regular).

Problem 6, EXTRA CREDIT (8 points). May be done in pairs. Sipser, exercise 1.41 (read the problem carefully, try an example first).