CSE 431 Spring 2006
Assignment #8

Due: Friday, June 2, 2006

You final assignment grade will be based on your best 7 out of 8 homeworks.

Reading assignment: Read Sections 8.3-8.5 and 9.1 of Sipser's text.

Problems:

1. Sipser's text: Problem 8.4 (both editions).

2. Let $EQ_{REX} = \{\langle R, S \rangle \mid R$ and S are equivalent regular expressions$\}$. Show that $EQ_{REX} \in PSPACE$.

3. Sipser's text: Problem 8.9 (1st edition); Problem 8.11 (2nd edition).

4. Sipser's text: Problem 8.10 (both editions).

5. Sipser's text: Problem 8.11 (1st edition); Problem 8.17 (2nd edition).

6. (Bonus) Sipser's text: Problem 8.15 (both editions).