

**600.271 Automata & Computation Theory**  
**Assignment 2**  
**Due February 21, 2013**

I. Problem Set 2, Problem 7 (page 46) -  $L_7$ ,  $L_{15}$ ,  $L_{26}$ . Only by the pumping lemma.

II. Problem Set 2, Problem 2 (pages 45-6) -  $L_{10}$ ,  $L_{11}$ .

III. Problem Set 2, Problem 19 (page 49) -  $R_3$ ,  $R_{10}$ ,  $R_{13}$ .

IV. Problem Set 2, Problem 21 (pages 49-53) - (b), (c), (e).