

600.271 Automata & Computation Theory
Assignment 3
Due February 23, 2012

I. Problem Set 2, Problem 21 (pages 49-53) - (c), (d), (h). For the first 2 problems, write down the expressions simply by observation. For the last problem, delete the states in the order 3, 4, and 1. Show the intermediate steps.

II. Problem Set 3, Problem 1 (page 66) - L_3 , L_6 , L_{17} .

III. Problem Set 3, Problem 2 (pages 66-67) - L_1 , L_{11} .

IV. Problem Set 3, Problem 3 (page 67) - (d), (i).

V. Problem Set 4, Problem 1 (page 80) - (b), (f).