## 600.271 Automata & Computation Theory Assignment 4 Due March 1, 2012

- I. Design a dlba for the following language:  $\{x | x \in \{a, b\}^+, \#_b x \text{ is a multiple of the } \#_a x\}.$
- II. Problem Set 5, Problem 4 (page 96) (c), (e), (g), (i), (q).
- III. Problem Set 5, Problem 6 (page 96).