CSCI-2400 Models of Computation

Homework 3

Submission

Submit your individual solution at the beginning of the class on Tuesday, October 16.

Problems

1. Problem 4 (b) and (g) on page 122.

2. Problem 5 (b) and (d) on page 122.

3. Which of the following languages are regular? Give short informal explanation.

   (a) Problem 9 (c) on page 123
   (b) L = $\{a^n b^l : n\text{-}l$ is a multiple of 3$\}$
   (c) Problem 9 (g) on page 123
   (d) L = $\{ a^n b^l : n+l = 100\}$

4. Problem 8 (c) and (g) on page 134.

5. Problem 3 on page 170.

Good luck!