CS 252 - Introduction to Computational Theory - Winter 2016

Due Thursday, January 28

By 1:35 p.m. for Section 1 and 3:00 p.m. for Section 2

Homework Assignment 3:

- (3 Points) Problem 5.28
- (3 Points) Problem 5.30
- (3 Points) Problem 5.33
- (15 Points) Problem 5.36, except (d)
- (8 Points) Problem 5.40 (c)
- (10 Points) Problem 5.42
- (8 Points) Problem A1. Construct the *state-transition diagram* of a DFA that accepts the following language over the alphabet { 0, 1 }:

  The set of all strings when interpreted as a binary integer is a multiple of **6**, e.g., strings 0, 110, 1100, and 10010 are in the language.