CS 252 - Introduction to Computational Theory - Winter 2016

Due Tuesday, March 8

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

Homework Assignment 7:

- (12 Points) Problem A1. Construct the $FIRST_2$, $FOLLOW_2$, and LA_2 for each of the *variables* in the following grammar:

$$E \to dET \mid a, \qquad T \to FeT \mid F, \qquad F \to bEc$$

- (14 Points) Problem A2. Construct the $FIRST_3$ and $FOLLOW_3$ for each of the *variables* in the following grammar:

$$S \to aAbC \mid aAAC \mid aBC \mid bbAC, \quad A \to aAb \mid ab, \quad B \to bBa \mid ba, \quad C \to \# \mid \#C \mid \lambda$$

- (6 Points) Problem 8.1 (c) & (d) only
- (12 Points) Problem 8.3 (a), (b), & (c)
- (6 Points) Problem 8.4