CS 2233 Final Review

The final will be cumulative with emphasis on proofs and the last part of the course. Naturally, you should pay attention to previous exams, homeworks, and lecture notes.

The following are selected exercises for the last part of the course.

**Chapter 9**

Exercises: 9.1.3, 9.1.7, 9.1.32, 9.1.33, 9.4.25 (just find the transitive closure), 9.4.29

**Chapter 10**

Exercises: 10.1.29, 10.3.1, 10.3.3, 10.3.5, 10.3.7, 10.4.1, 10.4.11, 10.4.15, 10.6.3, 10.6.7, 10.6.25

**Chapter 11**

Results: Know and be able to prove properties of trees and binary trees, including the relationship between the height of a binary tree and the number of vertices or leaves that it has.

Exercises: 11.1.3, 11.1.17, 11.3.17, 11.5.3, 11.5.7

**Chapter 13**

Exercises: 13.1.5, 13.1.13, 13.2.5, 13.2.9, 13.3.11, 13.3.27, 13.4.3, 13.4.5, 13.5.3, 13.5.5