

## Homework Assignment 6

This assignment is due by Tuesday April 14 (in class). Assignments should be handed in *before the class begins*.

**Problem 1:** Solve exercises 11.2-2 (page 229), 11.3-4 (page 236), 17.2-1 (page 412), 17.4-2 (page 425), and 21.2-1 (page 504) in the textbook.

**Problem 2:** Use the accounting method to analyze the implementation of disjoint sets using lists with the weighted union heuristic. You have to decide on the amortized cost of each operation and show that each operation can be performed using this cost plus unused cost reserved from previous operations.