

# Algorithms: Assignment 8

Due date: October 30 (Wednesday)

*These problems are inherited from the midterm; you should write a solution even if you received the full credit for solving them during the midterm.*

## **Problem 1**

Give an efficient *nonrecursive* algorithm that outputs all elements of a binary search tree in sorted order, and specify the worst-case running time of your algorithm.

## **Problem 2**

Consider a binary search tree, and suppose that we need to print all nodes whose keys are between two given values. Write an efficient algorithm for this problem.