CSE 326b DATA STRUCTURES
HOMEWORK 4

Due: **Friday, February 15, 2008** at the <u>beginning</u> of class. Please put your quiz section (BA, BB) in addition to your name at the top of your homework. As usual, neatly typeset solutions are encouraged, but not required.

Since we just had a midterm and the project is due on Wednesday, this homework will, hopefully be a bit more relaxing than the past three homeworks. But don't worry — this won't necessarily be the pattern for the rest of the quarter.

Problem 1. More Practice with AVL Trees

Weiss problem 4.19.

Problem 2. Some Practice with Splay Trees

Weiss problem 4.27, 4.28.

Problem 3. An introduction to B-Trees

Show the result of inserting 10, 15, 12, 3, 1, 13, 4, 17, and 8 into an initially empty B-tree with $M = 3$ and $L = 2$.