SPRING 2004: **COT 6405** ANALYSIS OF ALGORITHMS
[HOMEWORK 2; DUE FEB 19 AT START OF CLASS]

Problems

10. (**Regular**) Design a simple algorithm for problem 9 from the previous homework. Analyze its time complexity. **Hint:** Use red-black trees.

11. (**Regular**) Solve problem 9.3-1, page 192.

12. (**Exercise**) Solve problem 9.3-3, page 192. No details are needed. Couple of sentences should be sufficient.

13. (**Regular**) Solve 9.3-7, page 193.

14. (**Exercise**) Solve 13.3-2, page 287. Handdrawn trees are acceptable.

15. (**Regular**) Solve 13.4-3, page 293. Handdrawn trees are acceptable.

16. (**Regular**) Solve 14.2-1, page 310.

17. (**Regular**) Solve 14.3-6, page 317.