FALL 2007: COT 5407 INTRO. TO ALGORITHMS
[Homework 3; Due Oct 18 at start of class]

General submission guidelines and policies: Add the following statement and sign it: I have adhered to the collaboration policy for this class and what I am presenting is my own work. Without this statement, your homework will not be graded.

Problems

13. (Exercise) Solve these exercises (These will not be graded): Exercise 8.2-1, p170; Exercise 8.3-1, p173; Exercise 9.3-3, p192;

14. (Regular) The binary system has base 2, while the decimal system has base 10. If the base of my system is $n$, how many digits do I need to express a number that is at most $n^k$? Now use this information to solve Exercise 8.3-4, p173.

15. (Extra Credit) (Exercise 8-5, p180)

16. (Regular) Solve Exercise 9.3-1, p192.

17. (Regular) Solve Exercise 9.3-7, p193.

18. (Extra Credit) Solve Exercise 9-2, p194.


20. (Exercise) Solve Exercise 12.2-1, p259.

21. (Extra Credit) Solve Exercise 12.2-8, p260.

22. (Exercise) Solve Exercise 12.3-3, p264.

23. (Exercise) Solve Exercise 13.3-2, p287. Handdrawn trees are acceptable.

24. (Exercise) Run all the animation demos recommended in class.