

SPRING 2002: **COT 6405** ANALYSIS OF ALGORITHMS
[HOMEWORK 5; DUE APR 18 **in my office** BEFORE CLASS]

Problems

32. Solve Problem 34.4-7 (page 1003)
33. Solve Problem 34-1 (page 1018)
34. The decision and optimization versions of a problem are often closely related. Write down precisely (in a formal way) the decision version and the optimization version of the TSP problem. (Only state the problem versions.) Now show that if one of them can be solved in polynomial time, so can the other.