Cs545 — Homework #3.5
Dynamic Programming
Due Wed 11/1/06

1. 15.3-3
2. 15.4-5
3. Modify Warshall-Floyd algorithm, so the running time is not changed (i.e. remains $O(n^3)$), the spaced needed is not changed (i.e. remains $O(n^2)$), but after the algorithm terimantes, once we are given a pair of vertices v_i, v_j, we can find the the shortest path from v_i to v_j in time $O(k)$, where k is the number of edges along this path.
4. 15.4-4
5. Problem 15-5