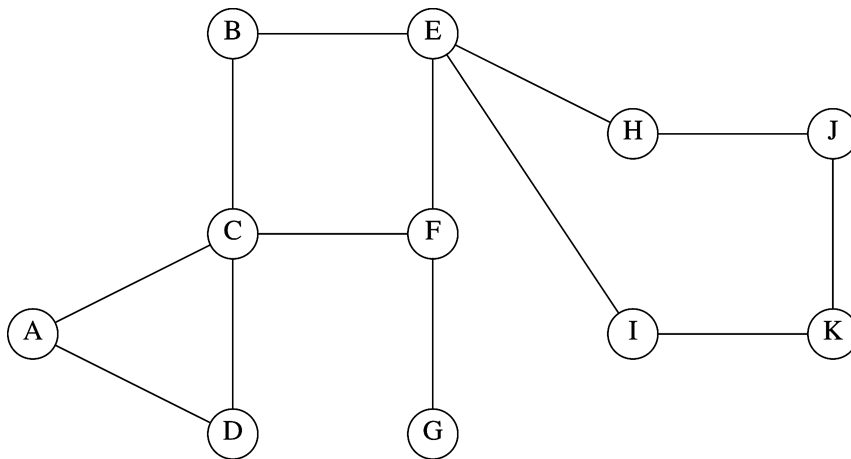


CSCI-2300

Lab 9

April 18, 2007

This lab is about graph representation and the unweighted shortest-path problem. You are given the graph in Figure 9.83:



1. Print out its adjacency matrix representation.
2. Print out its adjacency list representation.
3. Write a C++ program to find the shortest paths from A to all other vertices. Present your final answer by printing out a table in this format:

v	$known$	d_v	p_v
v_1	F	∞	0
v_2	F	∞	0
v_3	F	0	0
v_4	F	∞	0
v_5	F	∞	0
v_6	F	∞	0
v_7	F	∞	0