CS 61b – Summer 2005
Homework #7 – Due Aug 8th at 11:00am

You may, of course, ask your fellow classmates for help if you have trouble editing files, compiling programs, or using the submit program. Do not share code or specific parts of answers with others. Please see the syllabus for guidelines on appropriate interaction with your fellow classmates.

When you are finished with the homework, you will submit it electronically. **Put answers to the following questions a file called writeup.txt. You may also hand in a paper copy if you would like**. In that case, turn it in at the beginning of class. Change to that directory, and then type "submit hw7"

This homework will teach you about Graphs.

Part I (28 pts)

14.10 (8 points)

For the following problems, you must explain in precise terms how to solve these problems with a shortest–path algorithm. You DO NOT have to give code, but you must specify what the vertices are, what the edges are, what the weights are, and briefly why your solution works.

Weiss 14.19, 14.20, 14.22, and 14.23 (5 points each)