

Homework #5: Graph Fundamentals
Due Date: Friday, 12 October 2012

Guidelines

Please make sure you adhere to the policies on collaboration and academic honesty as outlined in the syllabus.

Reading

Chapter 22 and Appendix B of CLRS

Problems

There are three required problems worth a total of 100 points, and one extra credit challenge worth 10 points.

Problem A (36 points)

“Work entirely on your own.”

Exercise 22.3-1 on page 610 of CLRS. Along with the required tables, please give *very* brief explanation for each entry.

Problem B (28 points)

“Work entirely on your own.”

Problem 22-1 on page 621 of CLRS.

Problem C (36 points)

“You may discuss ideas with other students.”

Problem B-1 from pages 1180–1181 of Appendix B of CLRS.

Problem D (**EXTRA CREDIT – 10 points**)

“Work entirely on your own.”

Exercise 22.3-8 on page 611 of CLRS