Assignment 1 – Due February 4

To be handed in: Chapter 1: 2, 9, 14, 18, 19. Chapter 2: 4, 5, 16, 17, 18.
(Note: the problem numbering is from the 2nd edition of Diestel.) Recommended (but not to be handed in): Chapter 1: 13, 17. Chapter 2: 7, 10, 12, 14.

Homework Format

In order to make it easier for me to grade, I ask that you follow the following guidelines on this and all assignments:

1. Use standard 8 by 11 sheets of paper with no ragged edges.
2. Your name should appear at the top of each page. Pages should be numbered and stapled together.
3. You should have a cover page that gives your name and a table with three columns. The first column lists each of the assigned problems (whether you did them all or not). The second column contains the number of the page of your work where the solution to the problem appears (or the words “Not done” if you did not do it.) The third column is left blank for me to record the score.

Collaboration on homework.

You will get the most benefit from the problem assignments if you do most of the work on your own. However, there is also a benefit from discussing problems with other students or with me, particularly if you are stuck on a problem. Here is my policy on outside help:

1. No written work pertaining to an assignment is to be given to or obtained from others.
2. You may discuss problems with others, but the final write-up of your solutions should be done independently. This means that you should not be sitting with other students when you write up your solutions.
3. The solutions to a number of the problems in this course can be found in the literature. I do not recommend that you follow this method for solving problems; you will not get the full benefit of thinking about the problems if you do.
4. Discussions about a problem, hints received, etc. (including office hour hints), reference to books other than the course text, must be acknowledged in your homework. This means that immediately following your written solution, you should write something like “Acknowledgement: John Smith gave me a hint on this problem”, “Acknowledgement: I worked with Jane Jones on this problem”, or whatever is appropriate.