CptS/EE 455
Homework #1
Assigned: Wed. Jan 30th
Due: Fri. Feb 8th in class

This is a group homework. Each member of the group is responsible for providing the "**first solution**" to *at least* one of the problems. (A "first solution" is a solution created without reference or consultation with other students.) The same student is responsible for editing that solution along with the comments of the other members of the group into the final solution for that problem. Your grade will be based on both the correctness of the final answers (2/3 weight, same grade for everyone in the group) and your individual effort on the first solution and the editing (1/3 weight, individual grade).

You may use the Bridge tools to do your collaboration, or you may work in person. The bridge tools will be helpful if your group is dispersed, or if you'd like to develop a record of the evolution of your answers. Having such a record will be helpful in writing up the final submission, as described below.

For each problem, the final submission consists of:

1. The name(s) of the student(s) responsible for the first solutions of this problem and for editing the final solution for this problem.
2. The unedited "first solutions" (there may be more than one if the group is large).
3. A *summary* of the comments on the first solution from the other group members and subsequent discussion, identifying any especially helpful comments.
4. The final, group consensus, solution

Each group will submit one set of answers, packaged as follows: a cover sheet identifying this is as CptS/EE 455 Homework and containing the name of the group and each of the members. The final submission for each of the question. Please start each submission on a separate page. All submissions must be typed (no handwritten work).

Problems:

1. Review question 1.14 on page 65

2. Problem 1.3 on page 66

3. Problem 1.7 on page 67

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4. Problem 11 on page 68

5. Suppose your group was going into business as a local ISP. Outline a plan for how you would go about this. Be sure to take into consideration the way that your customers would connect to your service, how you would connect your service to the Internet, the equipment that you would need and the skills that you would need. Consider also the costs that you would incur to set up your service and your ongoing costs to maintain the service. (I expect about 4 meaty paragraphs in response to this question.)

What to Turn-in? (Only typed submissions please!)

- Cover Sheet (CptS/EE 455 Homework 1, Group Name, Group Members)
- Problem 1
  - Student(s) responsible for "first solution"
  - Unedited first solution(s)
  - Summary of comments/discussion with other group members
  - Final solution
- Problem 2
  - Student(s) responsible for "first solution"
  - Unedited first solution(s)
  - Summary of comments/discussion with other group members
  - Final solution
- Problem 3
  - Student(s) responsible for "first solution"
  - Unedited first solution(s)
  - Summary of comments/discussion with other group members
  - Final solution
- Problem 4
  - Student(s) responsible for "first solution"
  - Unedited first solution(s)
  - Summary of comments/discussion with other group members
  - Final solution
- Problem 5
  - Student(s) responsible for "first solution"
  - Unedited first solution(s)
  - Summary of comments/discussion with other group members
  - Final solution

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