Program 3 {Modified on November 30, 2010} 25 Points

Distance Vector Routing Simulation

Due: Monday, December 6, 2010 at noon.

[K&R Assignment 6] Implementing a Distributed, Asynchronous Distance Vector Routing Algorithm

This programming assignment involves simulating the **Distance Vector (DV)** routing algorithm. Your version of this program must run on the CCC Linux machines.

The official version of this assignment can be found on the Pearson Addison-Wesley website for the K&R textbook in the Companion Web Site, Student Resources, Programming Assignments. You can only access this web page if you have a Fifth Edition of the textbook and have registered using the access code at the front of the book. Each student is to complete the **Basic Assignment** for Assignment 6. Students who have not purchased the textbook will find an 'unofficial' version of the K&R Assignment 6 at

http://web.cs.wpi.edu/~rek/Nets1/B10/Program3_B10.html

Extra Credit 5 points

Any student who successfully completes and turns in the **Basic Assignment** on time can voluntarily turn in the **Advanced Assignment** by **Tuesday December 7, 2010 at 9 a.m.** and receive up to **5 extra credit points for Program 3.**

What to turn in for Program 3

Turn in your assignment using the ***turnin*** program on the CCC machines. **You should turn in a tarred file that includes:** all source programs needed to execute Program 3, a **README** file and a ***make*** file.