TCOM 500: Modern Telecommunications
Prof. B.-P. Paris
Homework 1
Due: January 28, 2010

Reading Forouzan: Chapter 1 and Chapter 2

Problems 1. Problem 2.22

2. Problem 2.25

3. Download and install *Wireshark* on your computer. Then capture the packets between your computer and the server `telecom.gmu.edu` when you're retrieving the URL `http://telecom.gmu.edu`.

   - How many `GET` requests are issued by the client?

4. Go to `www.traceroute.org` and select an arbitrary host to run a `traceroute` from. Run a `traceroute` to telecom.gmu.edu. For each link that experiences more than 10 ms delay, try to determine the physical location of the endpoints of that link (i.e., try to determine the cities where the routers on either end of the link are located).