Homework #1

Due on April 16th at the beginning of class

1. Problem 2-2.
2. Problem 2-7. For simplicity, assume one-flit packets: only header (H) flits and null (N) flits. Also, use Bernoulli injection sources (i.e. to create traffic at rate λ, inject a new flit each cycle with probability $1/\lambda$). Turn in a plot of your latency versus offered load curve compared to the models presented in the chapter.
3. Problem 3-9.
4. Problem 4-2.
5. Problem 4-3.
6. Problem 5-3.
7. Problem 6-2.
8. Problem 7-1.