

## HW #2. Perfect Link

(Due: 4/22/2015)

In this homework, you need to implement a perfect communication link between two processes  $p$  and  $q$ . Specifically, your communication link must satisfy

**Reliable delivery:** If a correct process  $p$  sends a message  $m$  to a correct process  $q$ , then  $q$  eventually delivers  $m$ .

**No duplication:** No message is delivered by a process more than once.

**No creation:** If some process  $q$  delivers a message  $m$  with sender  $p$ , then  $m$  was previously sent to  $q$  by process  $p$

In your report, please include the following experiment results

- A. Experiment results showing the correctness of your design and implementation
- B. Peak data rates of your perfect communication link
- C. Peak data rates of the underlying non-perfect communication link