Assignment #5: Synchronization

DUE: in class, Monday February 23rd.

1. **Gossip** (10 points)
   Complete the proof of progress for the Gossip algorithm. Use the metric given in class. The first half of the proof is already given in the lecture notes. (There is no need to repeat this part, but you should understand it in order to write the second part.)

2. **Mutual Exclusion** (15 points)
   Following the pattern and structure of the algorithm given for the token ring, write an implementation of the Raymond’s token-based mutual exclusion scheme for tree topologies. Prove that your program meets its specification.