



- (b) Suppose an acknowledgment is sent by X at time 105ms, after receiving the packet labeled A. What should be the acknowledge number in this packet?
  - (c) *Estimate* the timeout value that Y uses for this TCP connection. Justify your answer. State any assumptions clearly. you make.
3. Microsoft Windows 95 sets the default maximum TCP receiver window to 8192 bytes. Is this a good idea? Why or why not?
4. **(KR, Chapter 4, Problem 13)** Consider a subnet with prefix 101.101.101.64/26. Give an example of one IP address (of form xxx.xxx.xxx.xxx) that can be assigned to this network. Suppose an ISP owns the block of addresses of the form 101.101.128/17. Suppose it wants to create four subnets from this block, with each block having the same number of IP addresses. What are the prefixes (of form a.b.c.d/x) for the four subnets?