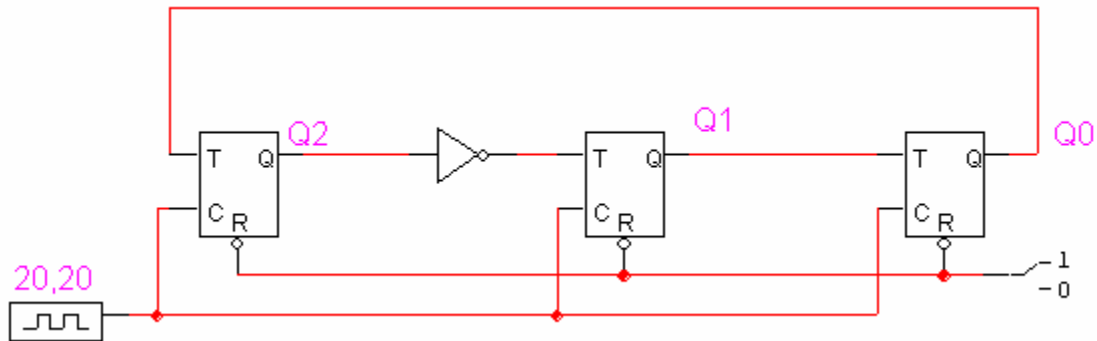ECE130-03                          Homework #19                          Fall 2003

1    Find the state diagram for the following counter. Is the counter self-starting?



2    Use a 74LS162 counter to design a modulo-6 counter circuit that will count from 3 to 8
     and repeats. Connect your counter to a 74ls48 BCD-7-seg decoder and a 7-segment
     display so that the count can be seen on the display. Attach  your LogicWorks
     schematic and timing diagram.