## Pre-Lab 7

```
module upcontrol ( x , Load, New);
        input [2:0]x:
        output [2:0] New;
        Output Loadi
        always @ (*);
         begin Load = 0;
             if (x == 5)
               Lodd 1;
             ( - New = 3/6 001;
         end
endmodule ( 10 3
          Down Control (x, Load, New);
 module
         input [2:0] x;
         output [2:07 New;
          output Load;
          always @ (*);
           begin
                Load = O;
                1f (x == 1).
                   Load = 1;
                    New = 3'6 100;
           end
endmodule
           WinLose (x , y, stop, win, lose, signal);
 module
          input [Z:0]x;
                                                             else if (stop & x!=4)
          input [2:0] y;
                                                                  besin
          input stop;
                                                                     WIN= Oi
          output. win, lose, signal;
                                                                     105c = 1;
          assign signal =!stop;
                                                                  end
          always @ (*);
                                                         endmodule
              if (! stop).
                begin
                 win = 0;
                   1030=00
                end
              elx if (stop. & x == y)
                     win = 1;
                      105e=0;
                  end
```