```
EEN6 284
                     Lecture 30
  DS25 = QLR ofiner
  DL6 = QL6 . timer + QS25
   Dss = QLe · timer
   DLY = QLY . timer + Qss
  Ds30 = QLY. timer
   ERED = QLR + Q 525
    ZYELLAN = QLY + QS30
    ZGreen = QL6 + Qss
    ZCZ = Q530
    ZC1 = Q55
    7 co = Q25
  Verilea
     modele traffic Light Controller (clk, reset, cw, sw)
         11 Next State logic -MIE
always @ (State)
begin
case. (State)
                LGT_RED:
                      if (timer = 1'b1) next state = SET_25;
else next state = LGT_RED;
                end else
                                        nextstate = LOT_GREEN;
                SET_ 25:
                 1.1811.0
                                        naldle - 1 GT DED.
```