```
C(기단 회로 설계 및 단어 (원등 09:00~10:15) 2015 10402m # 33
!) & Eruital
   mo dule de weer_2x4+ structal C
        uneput [0:3] Out,
        (n) [1:00 augn!
        input enable
   );),
      wire [0:2] w;
     not ( w[o], in[o]);
      not ( W[1], \n(1]);
     nut ( w[2], enable);
     nand ( out(0], W[0], W[1], W[2) );
     nand ( out[1], w[0], (n[1], w[2]);
     nand ( out( 2) , (n[0], w[1], w[2]);
     nand (unec 3), in[07, in[1], w(27);
  end module.
       datation
 ::)
   modnie deloder_ 2x4_ datation (
       out Put [o:3] out,
       input colli in
       Input
    ) !
            outeo] = ~ (~ into] & winted & wenable)
             out [1] = ~ (~ 1/207 & 1/1 [1] & menable),
             OUE (2) = ~ ( INCO] & ~ INEI] & ~ FRANCE)
             out[3]= ~ (inco]&inci] & ~enuble);
   end module.
```

```
is hehavioral modeling
 module deroder = 2x4 = 6 h. C
           reg[oi3] out,
   untrut
   Input (0!1] 11,
           enable
    input
 always @ ( in , enable )
     case ( 5 enable, in } }
       3'h 000; out = 4'b 1000;
      3'hoo 1 ! out = 4's 0 100 }
      3'5010; out = 4'50010;
      3'5011; out = 4'60001;
      de taule : out = 4 150000)
    end case
 endmodule.
```