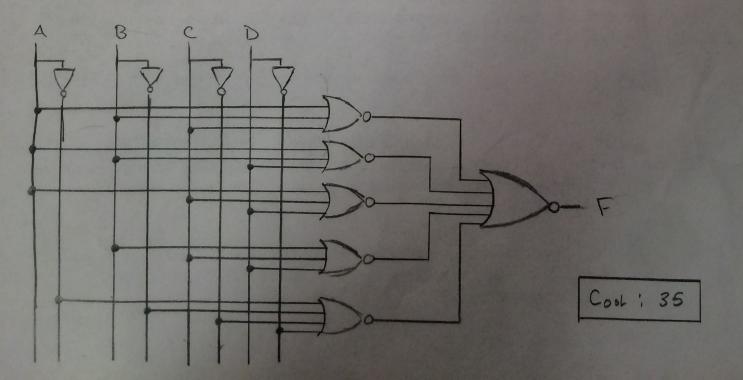


 $\frac{abc}{abc} + \frac{abc}{abd} + \frac{abc}{abc} + \frac{abc}{abc} = 27 \quad \vec{F} = \frac{abc}{abc} + \frac{abd}{abc} + \frac{abc}{abc} + \frac{$ 



```
1)
module Class7Question1(F,A,B,C);
    input A, B, C;
                                            Sean Gordon
    output F;
                                            495 762 295
    not(D,C);
    or (G, A, B);
    or (H, B, D);
    and (F, G, H);
endmodule
module Class7Question2(F1,F2,A,B,C,D);
    input A, B, C, D;
    output F1, F2;
    assign F1 = ((A\&\sim C) | (B\&\sim C) | (\sim C\&\sim D) | (A\&B) | (A\&\sim I)
    assign F2 = ((A|\sim C) & (A|B|C) & (B|\sim C|\sim D))
endmodule
module Class7Question3(F,S,A,B);
    input S, A, B;
    output reg F;
    always @ (S<A<B)
         if(s==0)
              F=A;
         else
              F=B;
endmodule
```

7

)

