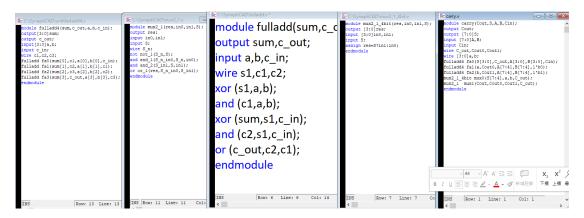
數位系統導論既實習

班級:資工一乙 學號:CBB113234 姓名:詹幼綺

程式碼內容:



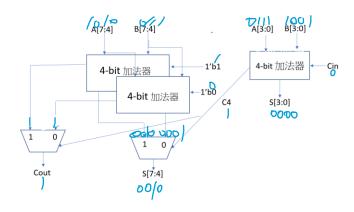
測試檔內容:

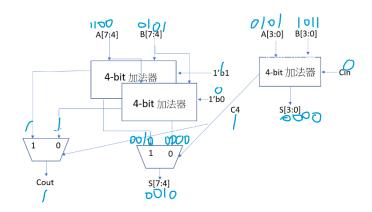
```
C:\SynaptiCAD\test.v
module test;
wire cout;
wire [7:0]S;
reg [7:0]A,B;
reg cin;
carry carryl(cout, S, A, B, cin);
initial begin
 A[7:0]=8'b10100111;
 B[7:0]=8'b01111001;
 cin=0;
#10
    A[7:0]=8'b11000101;
    B[7:0]=8'b01011011;
 cin=0;
#10
     A[7:0]=8'b00110111;
     B[7:0]=8'b01101011;
     cin=1;
#10
     A[7:0]=8'b10110101;
     B[7:0]=8'b01101101;
     cin=0;
#10
     A[7:0]=8'b11100101;
     B[7:0]=8'b00101001;
     cin=1;
#10
INS
           Row: 19 Line: 19
                               Col: 1
```

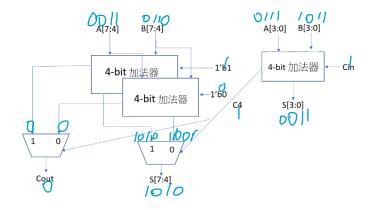
波形圖:

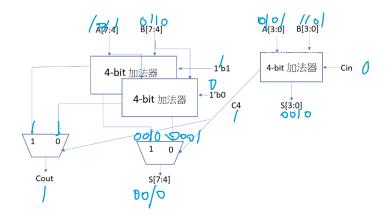
| | 0ns | 10ns | 20ns | 30ns | 40ns |
|-------------|------------|------------|------------|------------|--------------|
| test.cout | | | \ | | |
| test.S[7:0] | 'b00100000 | 'b00100000 | 'b10100011 | 'b00100010 | 'b00001111 |
| test.A[7:0] | 'b10100111 | 'b11000101 | 'b00110111 | 'b10110101 | / 'b11100101 |
| test.B[7:0] | 'b01111001 | /b01011011 | 'b01101011 | /b01101101 | / 'b00101001 |
| test.cin | | | | \ | |

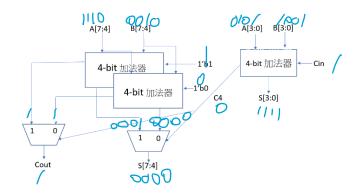
手寫測試檔:











心得:

OK!