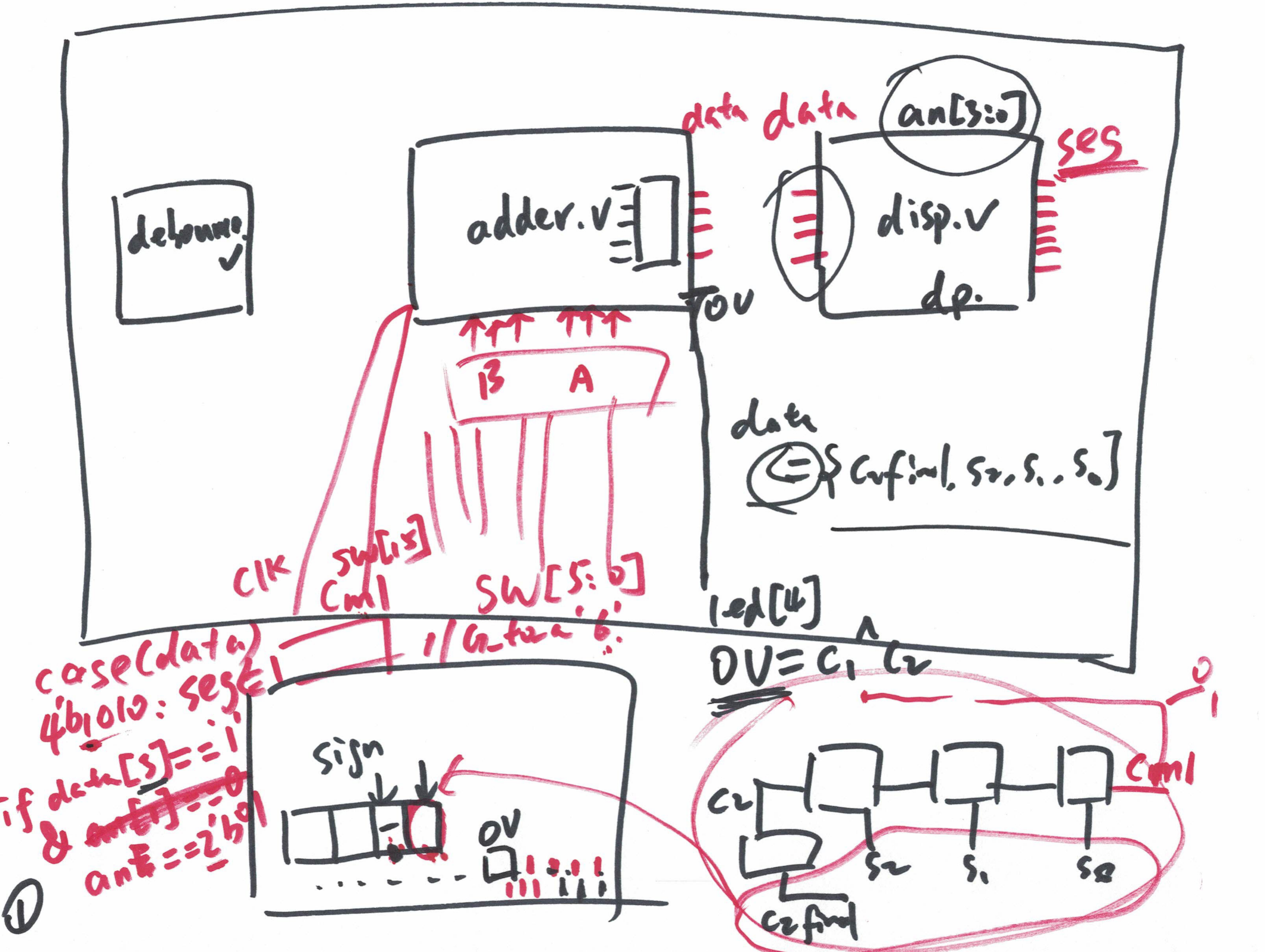
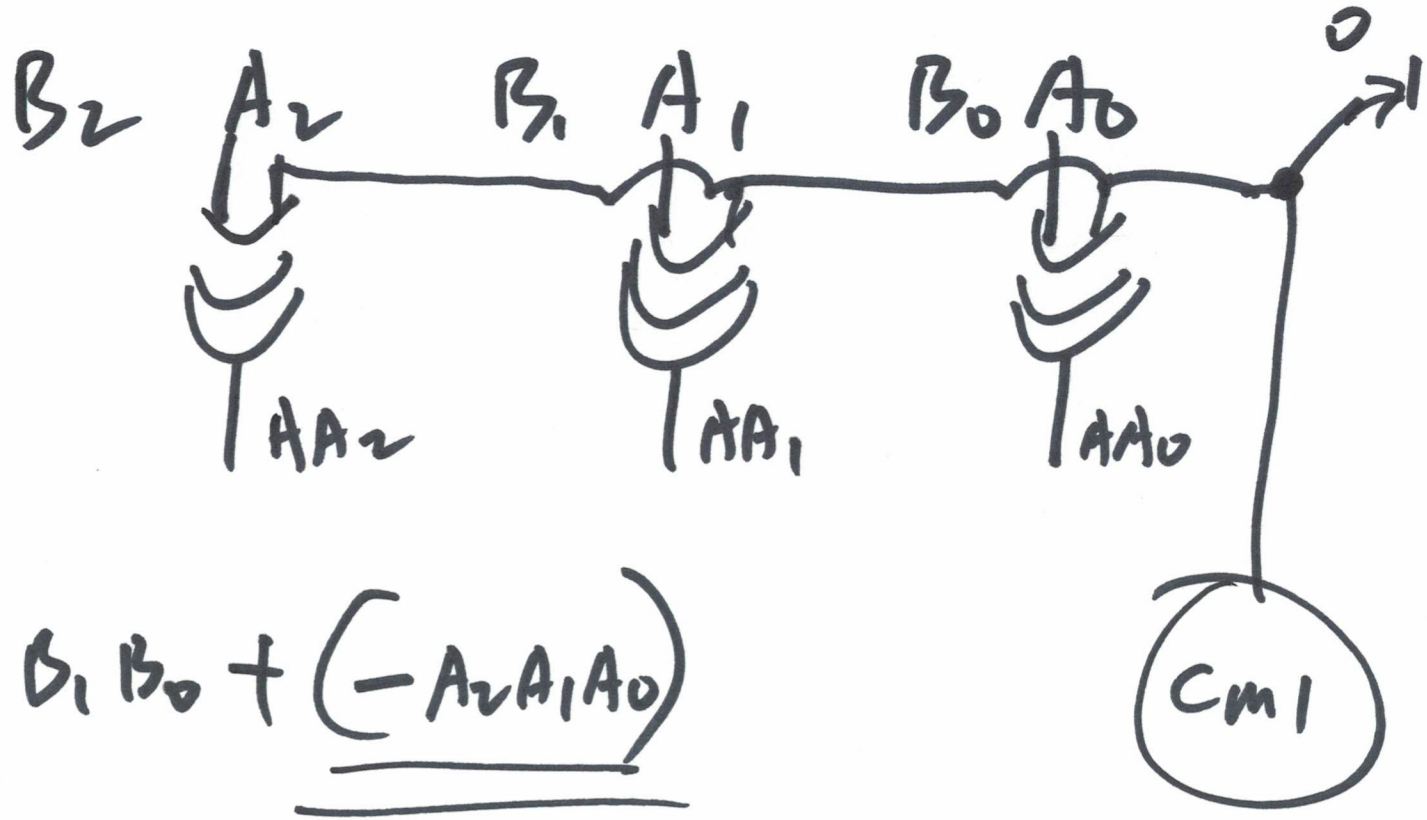

debounce
adder.v
disp.v
dp.
data
data
an[3:0]
seg
OV
B
A
data
<= {c2final, s2, s1, s0}
clk
sw[15]
Cml
SW[5:0]
led[4]
// data '6'
case(data)
4'b1010: seg <= 1
if data[5] == 1
& an == 2'b01
sign
OV
OV = C1 ^ C2
C2
S2
S1
S0
C2final
Cml
0
1
①



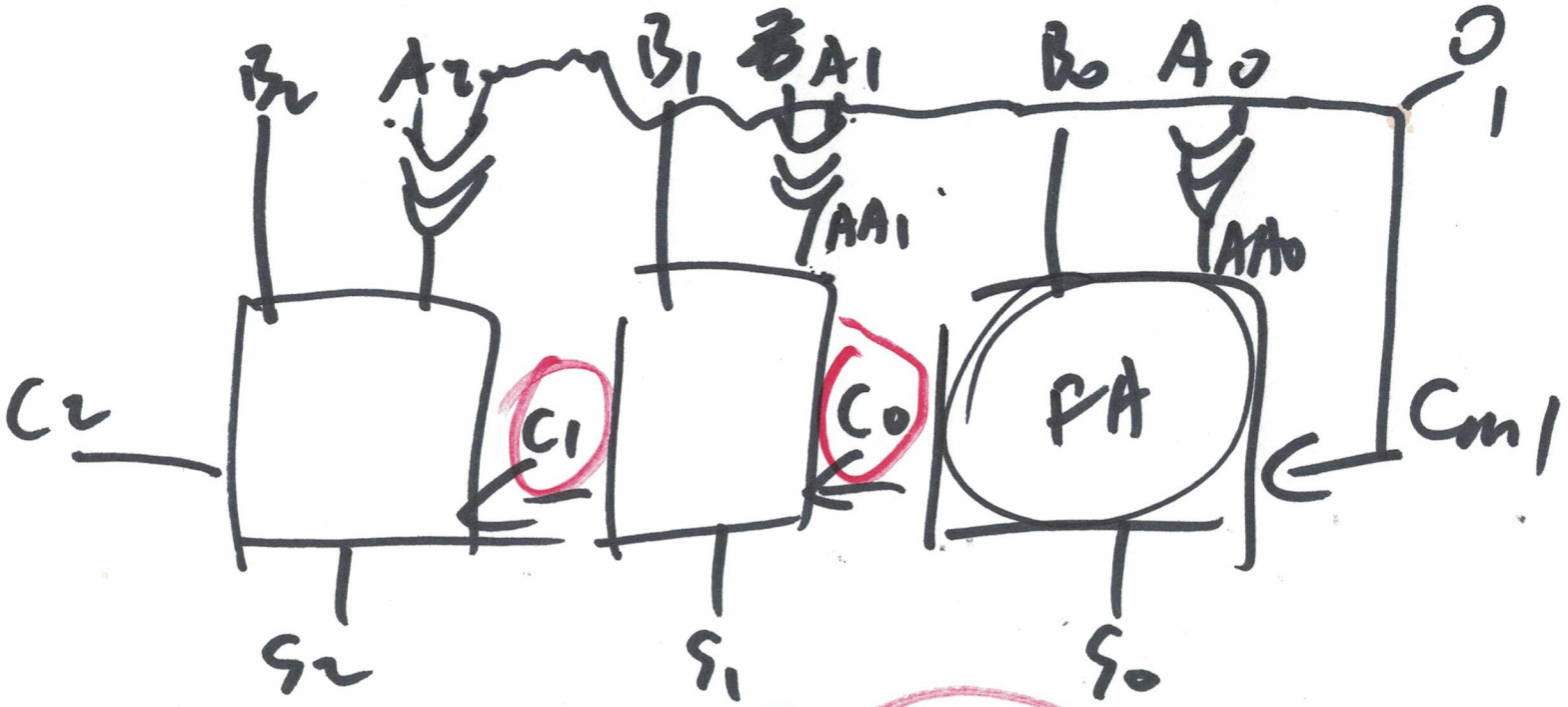
$$B_2 B_1 B_0 + \underline{(-A_2 A_1 A_0)}$$

$A_2\ A_1\ A_0$

$\oplus\ 1\ 0\ 1\ 0\ 1$

$1\ \ 1\ \ 1$

A	$\bar{A}$
$1 \oplus 1 = 0$	
$1 \oplus 0 = 1$	



$S = A_0 \oplus B_0 \oplus C_{m1}$

$C = (A_0 + B_0) C_{m1} + A_0 B_0$

+3

011 011

100

-4