

# operaciones logicas

S <sub>1</sub>	S <sub>0</sub>	A <sub>i</sub>	B <sub>i</sub>	P
0	0	0	0	1
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	1

I<sub>0</sub>=8

I<sub>1</sub>=8

I<sub>2</sub>=0

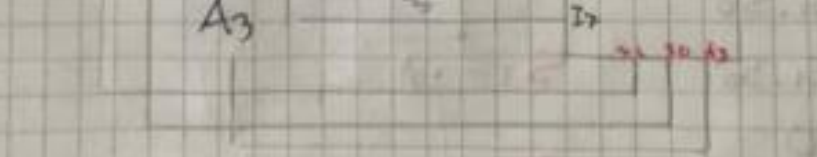
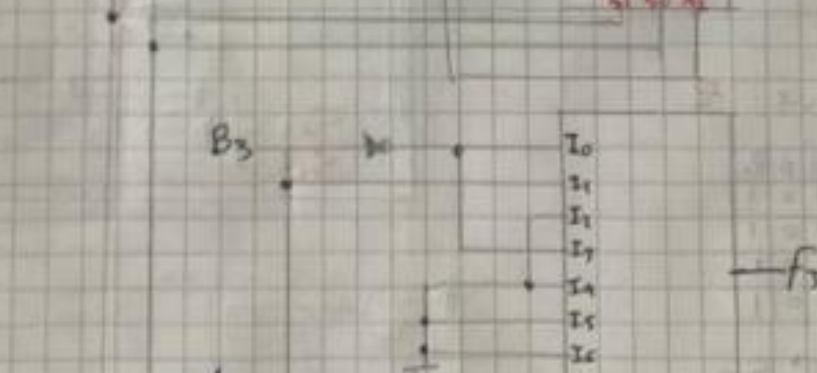
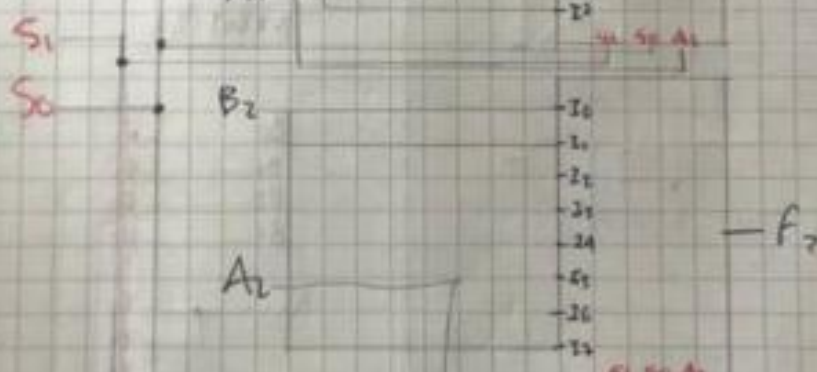
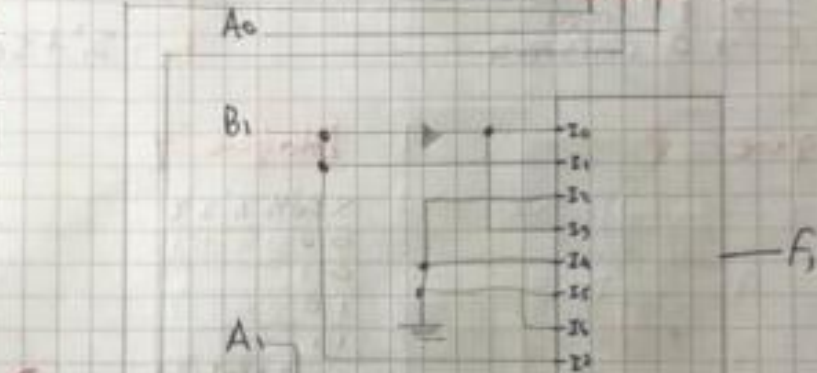
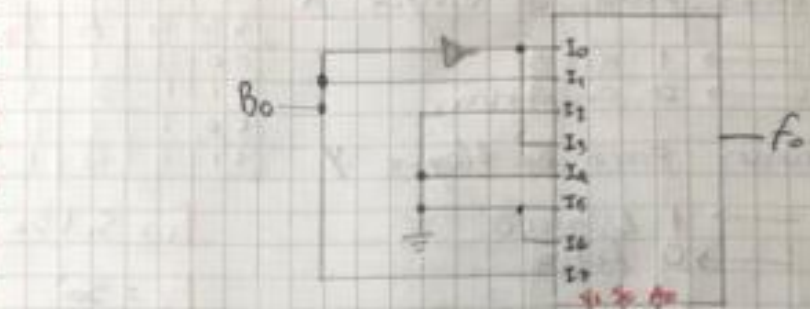
I<sub>3</sub>=8

I<sub>4</sub>=0

I<sub>5</sub>=0

I<sub>6</sub>=0

I<sub>7</sub>=8



# Funciones Arithmeticas

X	S0	X	Y	Z	Cin
0	0	A	3	4	1
0	1	A	8	4	1
1	0	A	3	5	1
1	1	A	8	5	1

funciones para el bloque X

$f_1 \rightarrow$  1 negro  
 $f_1 \rightarrow$  0 colorado

funciones para el bloque Y

$f_2 \rightarrow$  1 número  
 $f_2 \rightarrow$  0 letra

$f_3 \rightarrow$  1 negro  
 $f_3 \rightarrow$  0 colorado

X	A	f1	f2	f3
0	0	1	1	1
0	1	1	1	1
1	0	1	1	0
1	1	0	0	0

$$f_1 = S_1 + S_0$$

$$f_2 = S_0$$

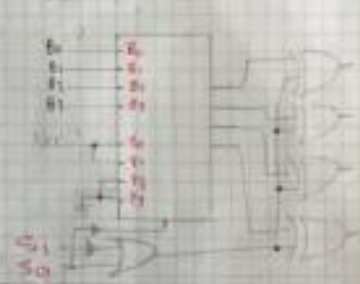
$$f_3 = S_1 + S_0$$

## Bloque X



## Bloque Y

S1	S0	f1	f2	f3
0	0	1	1	1
0	1	1	1	1
1	0	1	1	0
1	1	0	0	0



## Bloque Z

S1	S0	Z1	Z0
0	0	1	1
0	1	1	1
1	0	1	0
1	1	0	0

$$Z_1 = S_1 + S_0$$

$$Z_0 = S_1 + S_0$$

$$Z_1 = 0$$

$$Z_0 = 1$$

