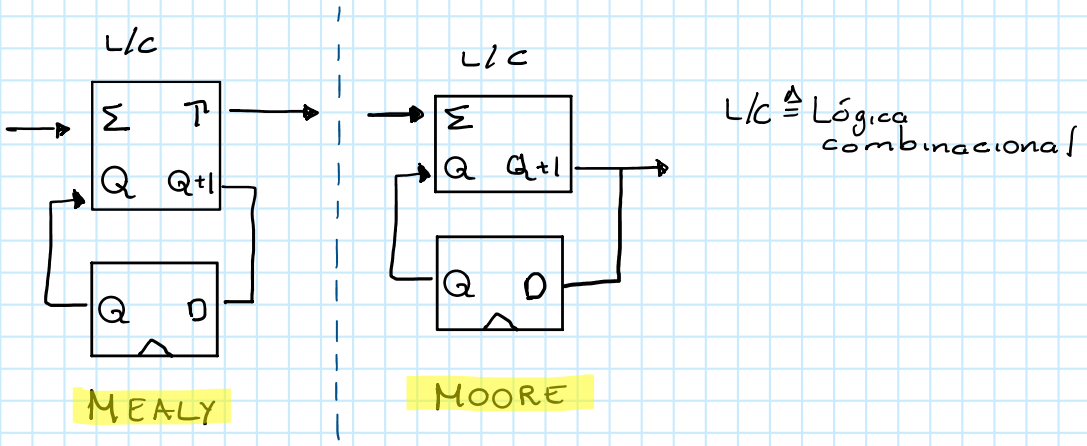
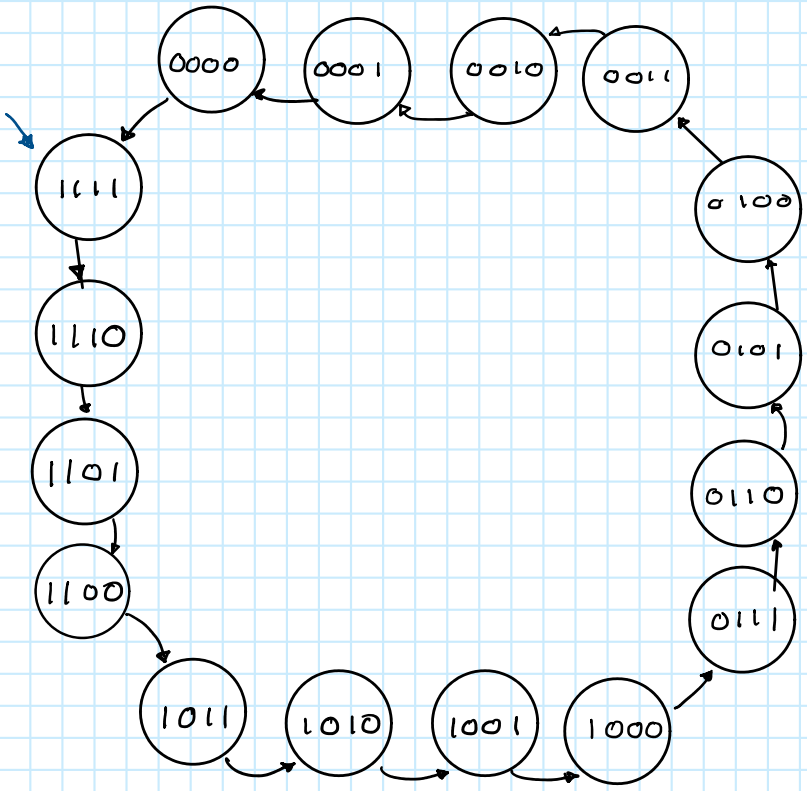
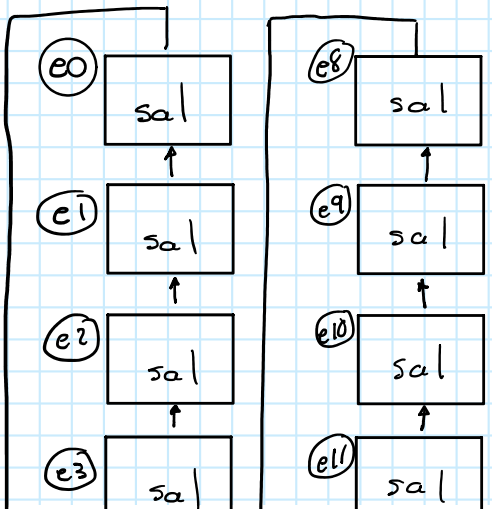
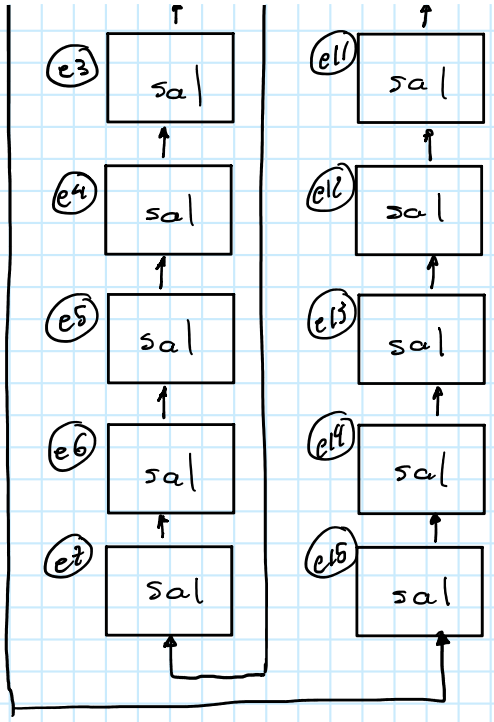
Flip/Flops

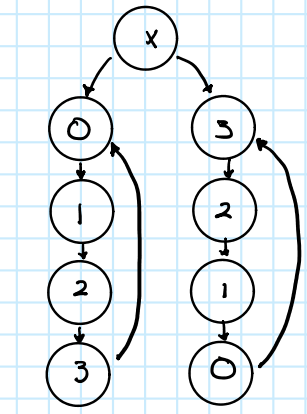
Tuesday, 24 March 2020 9:40 AM











Mapas de Karnaug

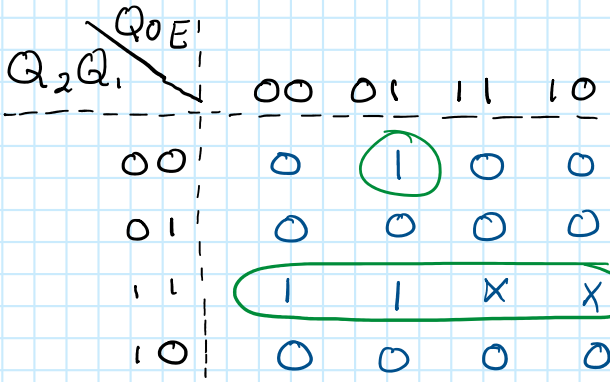
Flip Flop tipo T

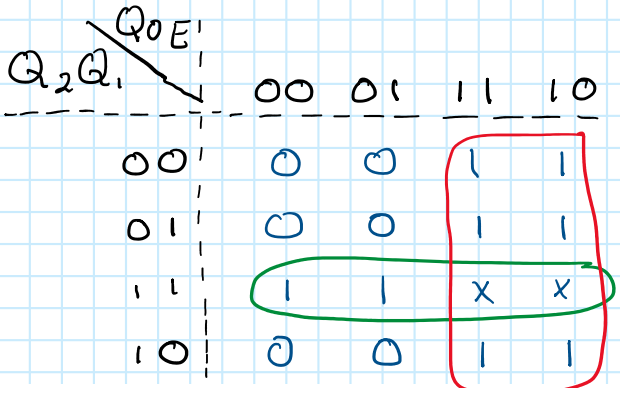
Q	T	Q+
0	0	0
0	1	1
1	0	1
1	1	0

Tabla de transición y FFT

Q	E	Q+	OUT	T2,T1,T0
000	0	001	01	001
	1	100	11	100
001	X	010	10	011
010	X	011	11	001
011	X	000	00	011
100	X	101	10	011
101	X	110	01	011
110	X	000	00	110
111	X	000	—	—

Mapas de Karnaugh para obtener función





1		1	1	X	X
10		0	0	0	0

$\therefore T_2 = Q_2Q_1 + \overline{Q_2Q_1Q_0E}$

1		1	1	X	X
10		0	0	1	1

$\therefore T_1 = Q_2Q_1 + Q_0$

Q_2Q_1 \ Q_0E	00	01	11	10
00	1	0	1	1
01	1	1	1	1
11	0	0	X	X
10	1	1	1	1

$T_0 = \bar{Q}_1\bar{E} + \bar{Q}_2Q_1 + Q_2\bar{Q}_1 + Q_0$

Función de Salida

Q_2Q_1 \ Q_0	0	1
00	0	0
01	1	1
11	0	X
10	1	1

$S_1 = \bar{Q}_2Q_1 + \bar{Q}_1Q_2$

Q_2Q_1 \ Q_0	0	1
00	0	1
01	0	1
11	1	X
10	1	0

$S_1 = \bar{Q}_2Q_0 + \bar{Q}_0Q_2$

// Por propiedades podemos reducir en expresiones convenientes como

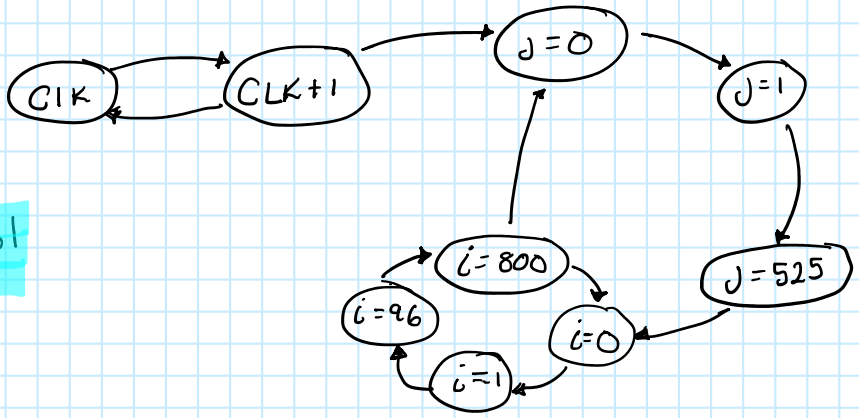
$S_1 = Q_2 \oplus Q_1$

$S_1 = Q_2 \oplus Q_0$

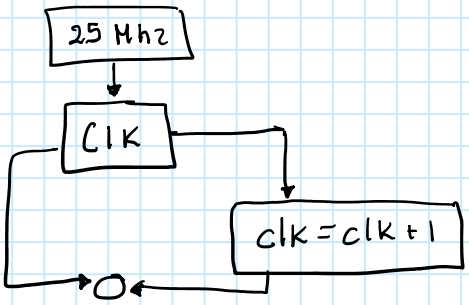
Tarea 19

Tuesday, 21 April 2020 10:13 AM

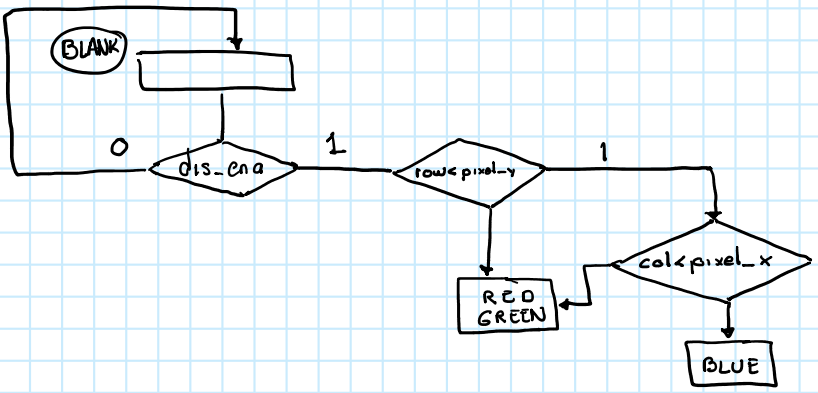
Control VGA

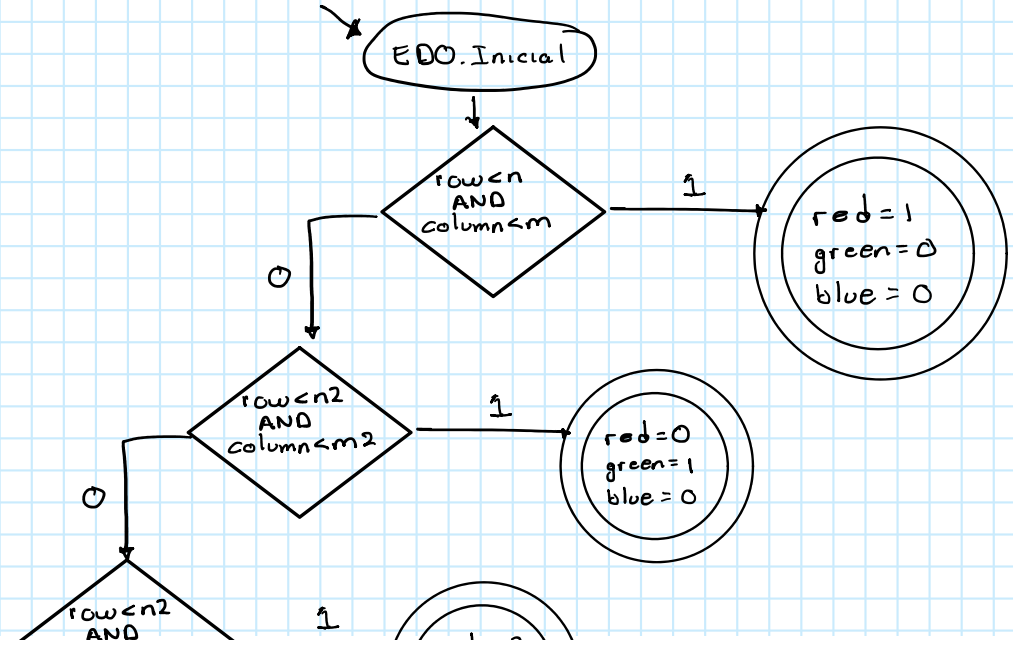


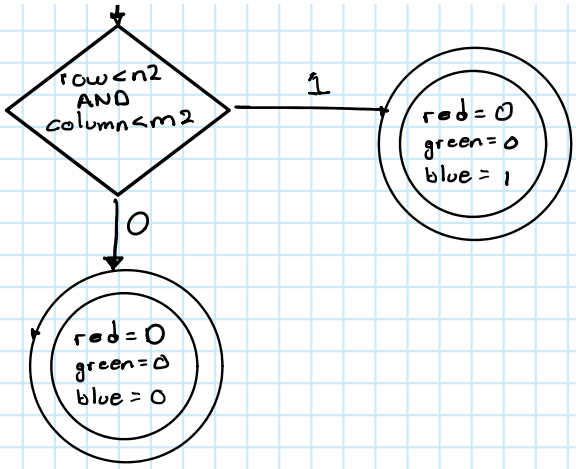
Carta ASM Divisor Frecuencia



Generador Imagen






row<n2
AND
column<m2
1
red = 0
green = 0
blue = 1
0
red = 0
green = 0
blue = 0

EXAMEN

Wednesday, 22 April 2020 6:40 PM

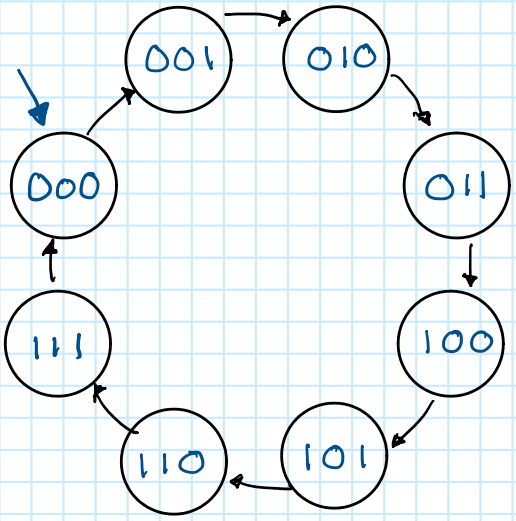
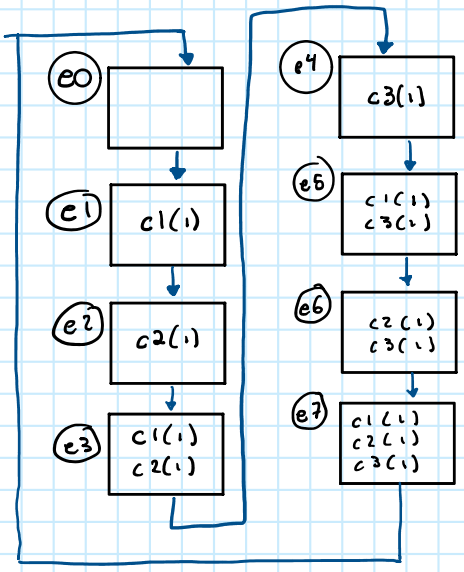


DIAGRAMA DE ESTADOS



CARTA ASM

Proyecto 7

→ Tareas

11	–	9
12	–	10
13	–	10
14	–	10
15	–	10
16	–	10 +1 ← Punto Extra
17	–	10
18	–	10
19	–	10

→ Examen 2 – 10

→ Exposición – 10 ← En todos los foros participé

Total : 100 = 10 //

Total : 100 = 10

Proyecto 8 - VGA

→ Tareas (30%)
- 20 - 100/100
- 21 - 100/100
- 22 - ← Falta*
- 23 - 100/100

} 30%*

→ Examen VGA (40%) - 100/100 } 40%

→ Exposición (30%) - Publiqué los videos en todos los apartados solicitados } 30%

Total 100