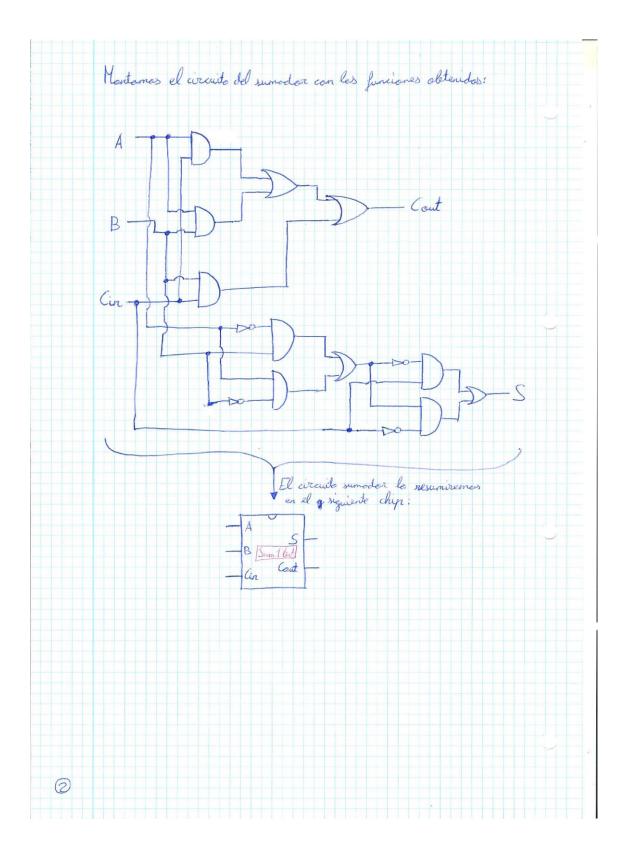
Boletín 2

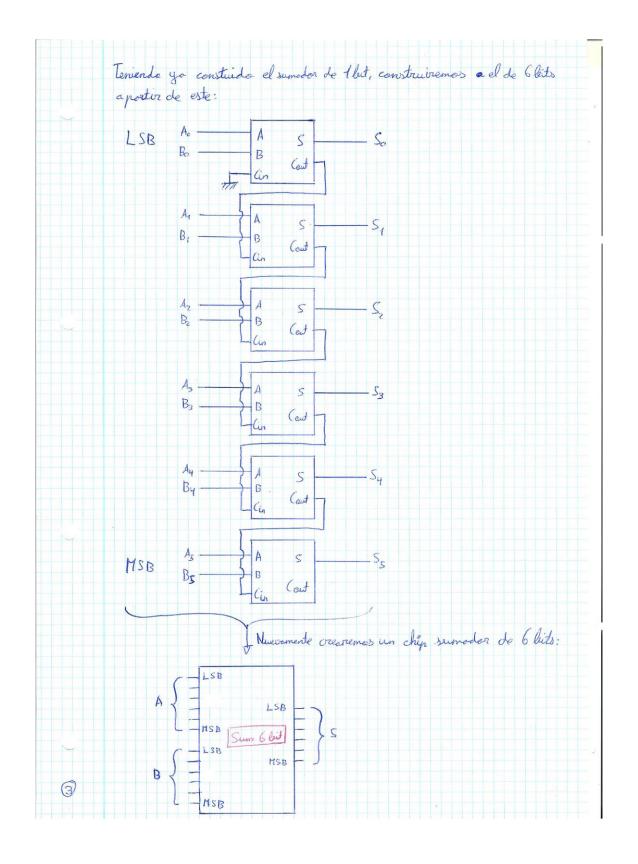
Autor: Adrián Losada Álvarez

Fecha: 20/05/2022

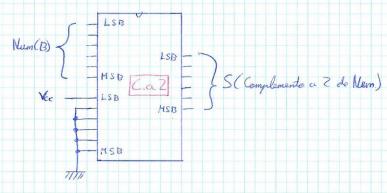
Problema 1:

P	drian La	rode A	world .	B	oletín Z	7			
Đ									
а	En w	ra sum mendes)	(He Bleve)	consideror (He blevo	4 cersos (Risultodo	distirtos	:		
	A	B	Ciri	Cont	5				
	0	0	0	0	0				
	0	0	1	0	1				
	0	1	0	0	1				
	0	1	1	1	0				
	1	0	0	0	1				
	1	0	4	1	0				
	1.	1	0	1	0				
	1	1	1	1	1				
,	,	1	0	01 0		1/		C	
	B cin O	1	+	10	earorian out = A.C.				

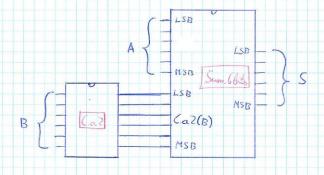




Paro altener el complemente a 7 utilizaremos el rumador de 6 lists que himos creado anteriormente:



Por cultima, sela queda mentor el circuito "restedor":

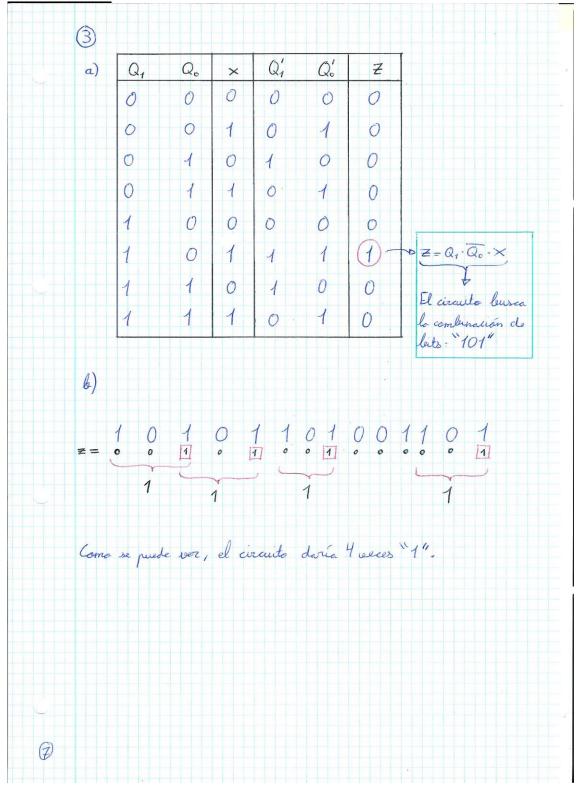


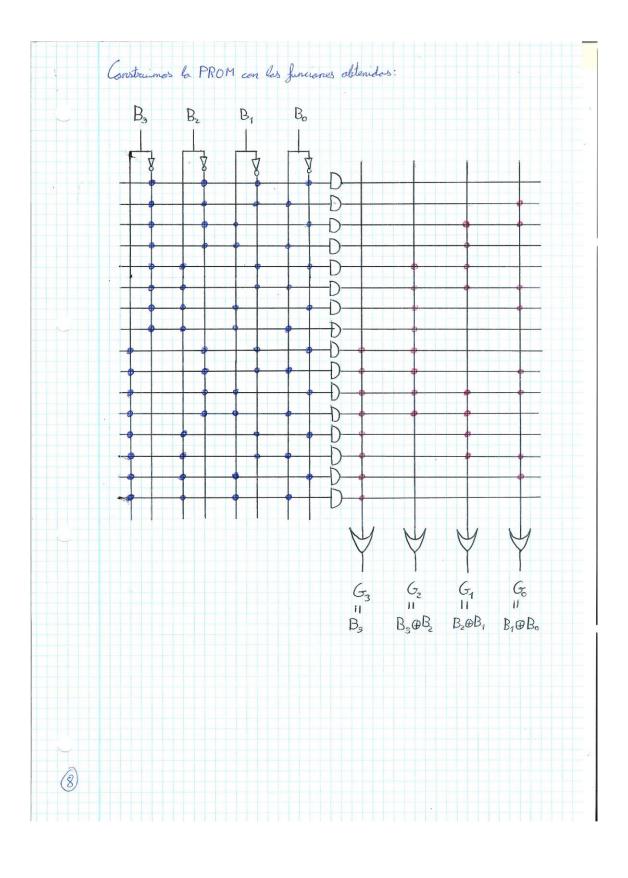
Problema 2:

	Binori				Gray		
Вз	B _s	B,	В。	63		G.,	Go
0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1
0	0	1	0	0	0	1	1
0	0	1	1	0	0	1	0
0	1	O	0	0	1	1	0
0	1	0	1	0	1	1	1
0	1	1	0	0	1	0	1
0	1	1	1	0	1	0	0
1	0	0	0	1	1	0	0
1	0	0	1	1	1	0	1
1	0	1	0	1	1	1	1
1	0	1	1	1	1	1	0
1	1	0	0	1	0	1	0
1	1	0	1	1	0	1	1
1	1	7	0	1	0	0	1
1	1	1	1	1	0	0	0
			1				

G ₃ :	G ₂ :
B ₃ _{B₂} B ₂ 00 01 11 10	B3 B2 00 01 11 10
00 0 0 0 0	00 0 0 0 0
01 0 0 0 0	01 (1 1 1 1)
11 1 1 1 1 1	1100000
10 1 1 1 1	10 [1 1 1 1]
$G_3 = B_3$	$G_2 = \overline{B_3} \cdot B_2 + B_3 \cdot \overline{B_2} + \overline{B_3} \oplus \overline{B_2}$
G ₁ :	Go:
B ₃ B ₂ 00 01 11 10	B ₃ B ₂ 00 01 11 10
00 0 0 1 1	00 0 1 0 1
01 4 1 0 0	01 0 1 0 1
11 1 1 0 0	11 0 1 0 1
10 0 0 9 1	10 0 1 0 1
$G_1 = B_2 \cdot \overline{B}_1 + \overline{B}_2 \cdot B_1$	$G_0 = \overline{B_1} \cdot B_0 + \overline{B_1} \cdot \overline{B_0}$
G1 = B2 @ B1	Go = B1 ⊕ Bo
	00-010-00

Problema 3:





Problema 4:

6	1		0					0		
(4)	(reamos	la	talela de	transiciones	a	nortir.	del	enunciado:	
					and the second s		/		The state of the s	

Qz	Q ₁	Q.	Q' _z	Q_1'	Q.
0	0	0	0	1	0
0	1	0	1	1	1
1	1	1	1	0	0
1	0	0	Ó	1	1
0	1	1	1.	0	1
1	0	1	0	0	0
			+		

Generamos los funciones simplificades para las entrados de los biestables: $D_z = Q_z'$:

$$D_z = Q_z'$$
:

Q1Q0	00	01	11	10
0	0	×	A	1
1	0	0	1	×

$$D_z = Q_1$$

$$D_1 = Q_1'$$

Q ₂ Q ₀	00	01	11	10
0	1	×	0	1
1	1	0	0	×

Q,Qo	00	01	11	10
0	0	×	9	1
1	1	0	0	(x

$$D_o = \overline{Q_2} \cdot Q_1 + Q_2 \cdot \overline{Q_0}$$

