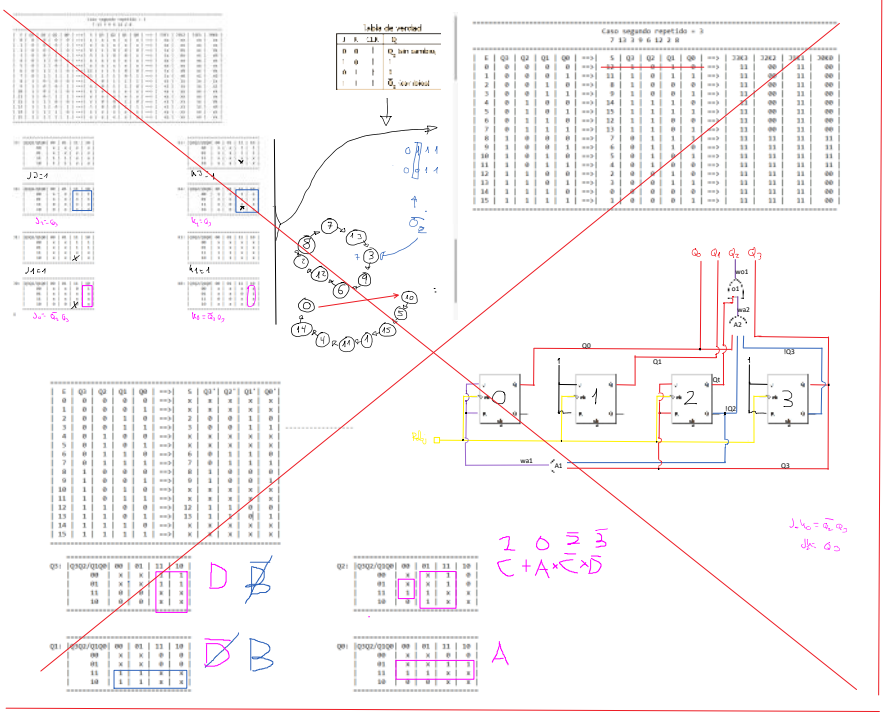
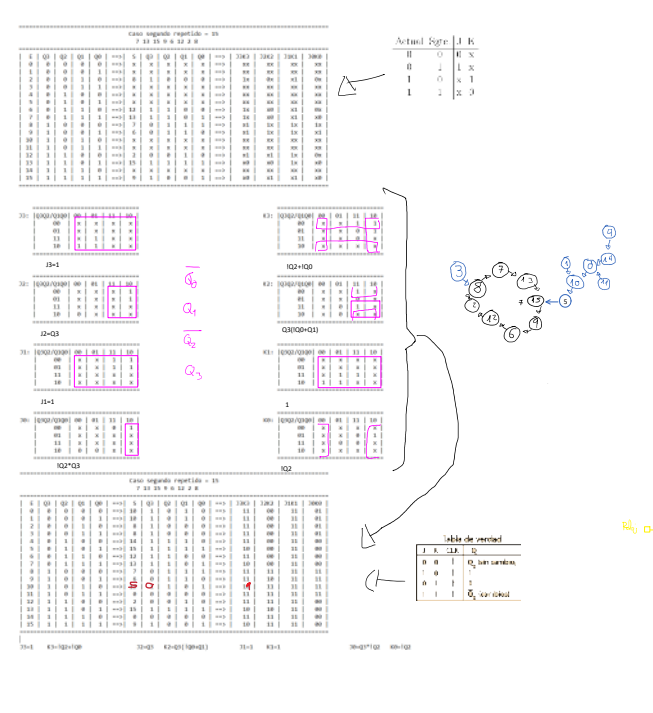
Contador Arbitrario

martes, 23 de noviembre de 2021 19:46





Para cambio 15 a 7

Caso segundo repetido = 15

7 13 15 9 6 12 2 8

E	Q3	Q2	Q1	Q0	==>	S	Q3	Q2	Q1	Q0	
0	0	0	0	0	==>	x	x	x	x	x	(Q3*0)+(Q1
1	0	0	0	1	==>	x	x	x	x	x	0*0+1=1
2	0	0	1	0	==>	2	0	0	1	0	0*0+1=1
3	0	0	1	1	==>	x	x	x	x	x	0*0=0
4	0	1	0	0	==>	x	x	x	x	x	0*0=0
5	0	1	0	1	==>	x	x	x	x	x	0*0+1=1
6	0	1	1	0	==>	6	0	1	1	0	0*0+1=1
7	0	1	1	1	==>	7	0	1	1	1	0*0=0
8	1	0	0	0	==>	x	1	0	0	0	0*0=0
9	1	0	0	1	==>	9	1	0	0	1	1*0+1=1
10	1	0	1	0	==>	x	x	x	x	x	1*0+1=1
11	1	0	1	1	==>	x	x	x	x	x	1*0=0
12	1	1	0	0	==>	12	1	1	0	0	1*0=0
13	1	1	0	1	==>	13	1	1	0	1	1*0+1=1
14	1	1	1	0	==>	x	x	x	x	x	1*0+1=1
15	1	1	1	1	==>	15	1	1	1	1	1*0=0
											1*0=0

Q3:

Q3Q2/Q1Q0	00	01	11	10
00	x	1	x	1
01	x	x	1	1
11	x	1	1	x
10	0	0	x	x

$\overline{Q_1}$

Q2:

Q3Q2/Q1Q0	00	01	11	10
00	x	x	1	0
01	x	x	1	0
11	x	1	1	x
10	0	1	x	x

Q_2 ✓

Q1:

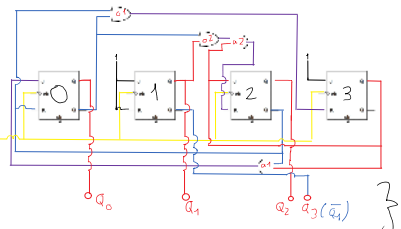
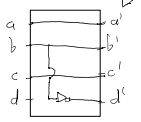
Q3Q2/Q1Q0	00	01	11	10
00	x	x	0	0
01	x	x	0	0
11	x	1	1	x
10	1	1	x	x

Q_1 ✓

Q0:

Q3Q2/Q1Q0	00	01	11	10
00	x	x	0	0
01	x	x	1	1
11	x	1	1	x
10	0	0	x	x

Q_0 ✓



es como decir que