



INSTITUTO POLITECNICO NACIONAL

ESCUELA SUPERIOR DE COMPUTO

EXAMEN

Diseño de Sistemas Digitales

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Equipo 7

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4CV2

D Q Q(t+1)
 0 x 0
 1 x 1

33+ B2 -

FFD

B1 +

B0 -

Scribe

X	B ₃	B ₂	B ₁	B ₀	N ₃	N ₂	N ₁	N ₀	D ₃	D ₂	D ₁	D ₀	
0	1	0	1	0	1	0	0	1	1	0	0	1	10
0	1	0	0	1	0	1	1	0	0	1	1	0	9
0	0	1	1	0	0	1	0	1	0	1	0	1	8
0	0	1	0	1	1	0	1	0	1	0	1	0	5
1	0	1	0	1	0	1	1	0	0	1	1	0	5
1	0	1	1	0	1	0	0	1	1	0	0	1	6
1	1	0	0	1	1	0	1	0	1	0	1	0	9
1	1	0	1	0	0	1	0	1	0	1	0	1	10

cundo es "0"

B₃ B₂ B₁ B₀

B ₃ B ₂	00	01	11	10
00	X ₀	X ₁	X ₃	X ₂
01	X ₄	1	X ₇	0
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	X ₈	0	X ₁₁	1

B₃ B₂ B₁ B₀

B ₃ B ₂	00	01	11	10
00	X ₀	X ₁	X ₃	X ₂
01	X ₄	0	X ₇	1
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	X ₈	1	0	X ₁₁

D₃ = $\bar{B}_3 \bar{B}_1 + B_3 B_1$

B₃ B₂ B₁ B₀

B ₃ B ₂	00	01	11	10
00	X ₀	X ₁	X ₃	X ₂
01	X ₄	1	X ₇	0
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	X ₈	1	X ₁₁	0

D₂ = $B_3 \bar{B}_1 + B_2 B_1$

B₃ B₂ B₁ B₀

B ₃ B ₂	00	01	11	10
00	X ₀	X ₁	X ₃	X ₂
01	X ₄	0	X ₇	1
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	X ₈	0	X ₁₁	1

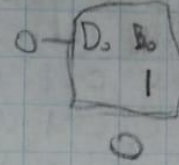
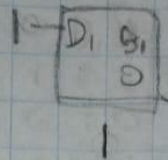
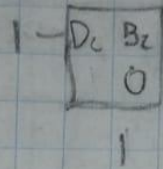
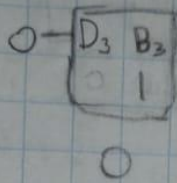
D₁ = \bar{B}_1

D₀ = B₁

D	Q	Q(t-1)
0	X	0
1	X	1

Scribe

Del 9 al 6



del 5 al 10

