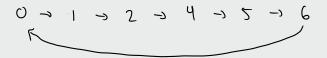
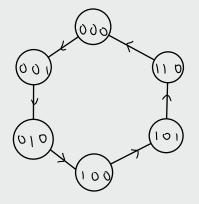
## Mauricio Monje 15355695

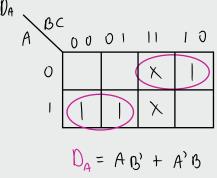
· Implement the sequential circuit needed for the counter of the following sequence (using D flip flops)



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

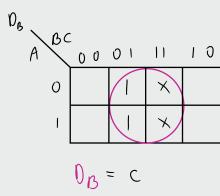


	Q(t)			Q(+1)					
	A	B	C	A	B	C	$\mathcal{D}_{A}$	0,	$D_c$
0 1 2 4	0 0 0	0 0	0 1 0 0	0 0 1	0 1 0	- 0 0 -	0 0	0 - 0 0 -	0 0
6	1	0	0	0	0	0	0	0	0

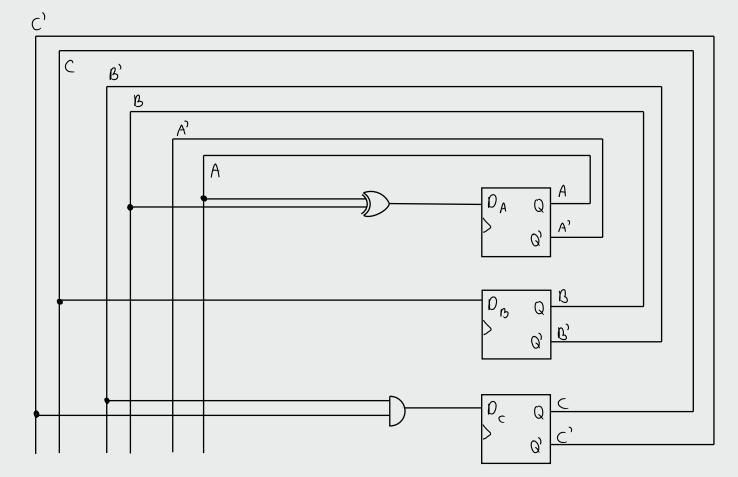


= A ⊕ B





Ŋc <	BC						
A`			0 1	11	I	0	
	0			X			
	I			×			
D = B,C,							



$$D_A = A \oplus B$$
  $D_B = C$   $D_c = B'C'$ 

## Unused state 011

Since the invalid states transition into valid states, then this circuit is self-correcting

## Unused State 111

