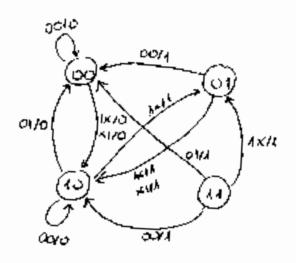
w) Meetly's, as 5 is a function that depends on the input 5 = f (A, Clo, Cl.)

d)	A B	డు	Q_{i}	∫ Q _o	' Q,'	l s	
	0000	00	0101	2021	0000	0	
	0000	00	0-0-	100	\$00g	0 0	
	1 0	, .	0-01	1 00	00	0	_
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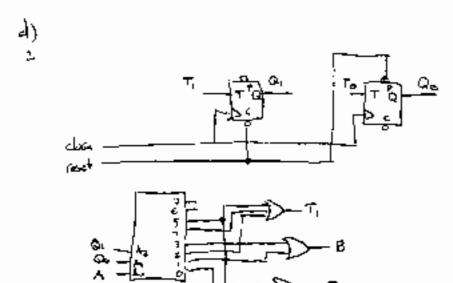
QUESTION 2

5) Sinhe
$$Q, Q_0$$

 $E_0 \mid Q \mid Q$
 $E_0 \mid Q \mid Q$

2 Air-Floor to enode 3 states (2'23)

Note with D Flip-Flags (considered as assect in the corrections)



Universidad Carlos III de Madrid Digital Electronics, 2nd partial exam. May 2013 Groups 65-69-79-95

Question 3

We want to design a sequential circuit which can remotely control the operation of the door of a garage. In order to operate the door of garage, the remote controller sends one of the following cyclic sequences depending on the selection of the switches S0 and S1.

SI	; SO	Sequence:
0	0	3-bit binary counter (natural binary code)
0	1	3-bit Gray's code counter
ı	0	3-bit Ring counter
ı	Γι	3-bit Johnson's code

Then, draw the state transition graph of a finite state machine using Moore's model for the above described remote control operation.

