HW8

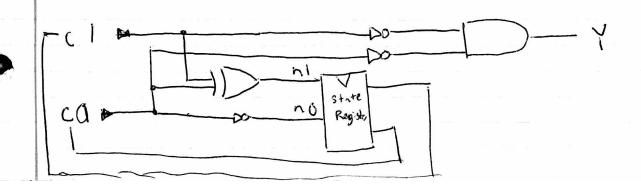
A register stores the current state of the systems. They are in key building block of most sequential circuits.

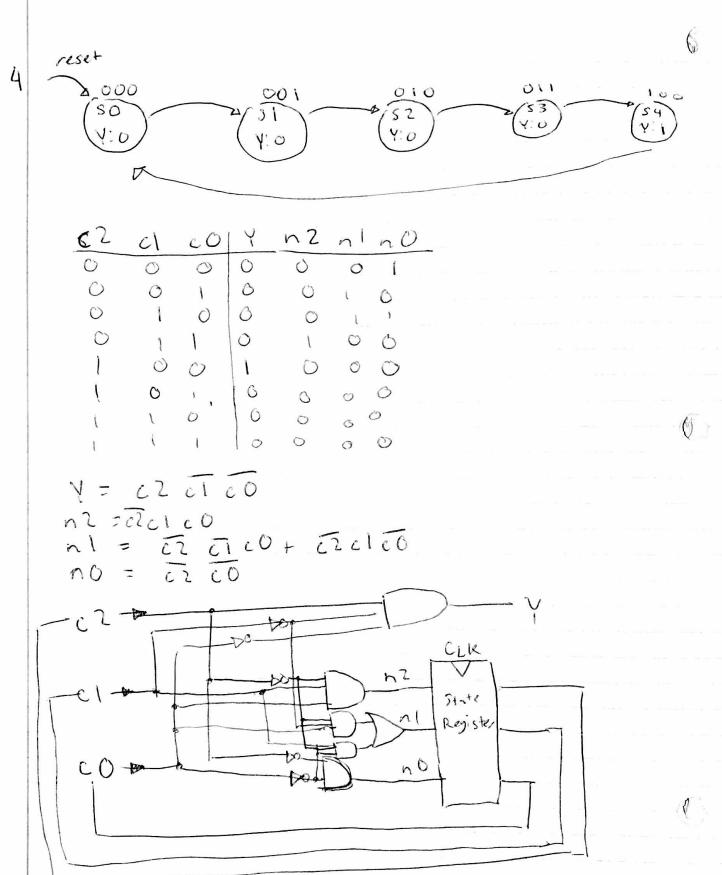
A N-bit register can have 2 N satique states.

reset			
200	_01	10	1
(56)	D/51 -	0(52)	0/53
(-4:1-)	(V:0)	(Y:0)	(Y:0)
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C1 c0	1 4	n1 n0	
50 00	\	0 1	Note:
51 01	Ö	10	(0)
52 10	0	1	
53 11	0	00	$C1 \longrightarrow C1$

$$Y = \overline{c1} \, \overline{c0}$$
 $n1 = 61 \, \overline{c0} + \overline{c1} \, \overline{c0}$ 
 $n0 = \overline{c1} \, \overline{c0} + \overline{c1} \, \overline{c0} = \overline{c0}$ 





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