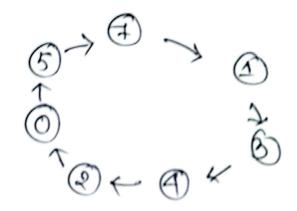
Name: Shahmian Raj

Roll: 1905105

105% 5=0;

So the sequence: 7 - 1 - 3 - 4 - 2 - 0 + 5

State Diagram:



State Table:

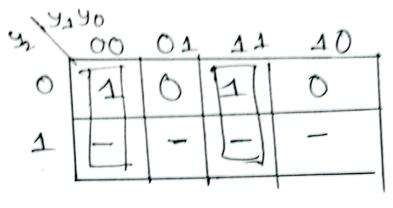
PS	NS, E
7134205	13,0000000

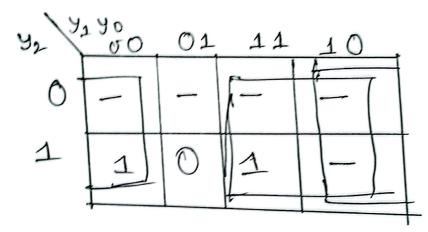
75 A7 AP	CTK X 3 X 1 XO	2
× × ×	1 No Change	
1 1 1	1 001	
001	1 011	A
011	100	
100	1 0 4 0	
0 10	1 0 0 0	
000	101	
101	111	1

Excitation Table!

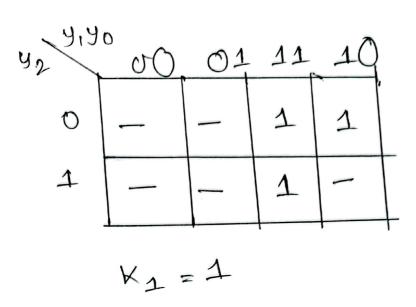
1							
L	42 41 40	J2	k_2	J_{Δ}	k ₁	Jo	Ko
	111	_	1	1	1	_	0
	001	0	-	1	_	<u>-</u>	0
	011	1	-	_	1	_	1
	100	-	1	1	-	0	-
	040	0	-	_	1	0	-
1	000	7	-	- 0	-	1	_
	101	-	0	1		_	0

Exe. Req. 0 + 0 0 -0 + 1 1 -1 + 0 - 1 1 + 1 - 0 Number of FFs needed = 10927 = 3.





92	90 OO	01	11	40
0	0	1	-	_
1	1	1	-	-1



42 42	90 v0	01	11	10	
0	1		-	0	
1	0	_	-	-	1
_	7		Jo 4		1

0 - 0 1 -	92 73	Y6.	01	11	10	_
	0	_	0	1		
1-00-	1		0	Ó	_	