CSE 260 MID ASSIGNMENT Nome: Silver Sahariari ID: 20101402 Section:

## Answer to the question no 1

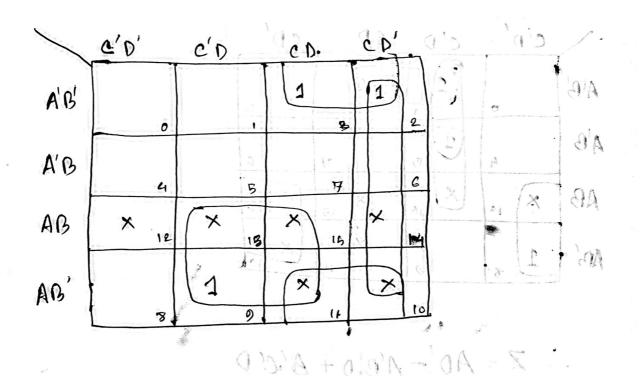
There are 10 single Ligits (decimal) for the Cincuit. So the input range is: 0-9.

The outputs will be remaider when the input number is divided by 7.

				2	,	9			es parametro discono
			Inp	of .		output			
1	nout (oec)	Α,	B	2	D, .	×	γ	Z	del
	0	0	0	0	0	0	0	0	<b>b</b>
	1	0	Ô	0	1	0	0	1	1
1	2	0	0	y	O	0	•	0	2
	3	0	0		4 110	0	1	1	3
	4	0	1	0	O	2	0	0	9
	5	0	1	0		1	0		5
	6	0		1	O	1	0	0	G
	X	O		- 1		0	5	0	0
	8	, t	0	0	0		3 % (100 mm)	* 1	1
	. 9	1	0	0	1	O		O	2
	10	1	0		0	X	×	X	×
	11	1	0	1	1	×	X	×	×
	: 12	1	1	O	0	*	×	×	X
	13		1	U		×	×	×	X
	14	1	1	1	0 -	X	×	×	1 2.
	16	1		31.		X	X	2	X

I an motion p ast of movement Herre, mintenm = = (4,5,6) For X, don't Care = 2 (10,11,12,13,14,15) : 51 364021 mica etentio When tou मार्थ मार्थिक प्रमुख C'D c'D' A'B' AB 41 馬 AB' X = BC' + BD'

For y,



: Y = B'C + C D' + AD

30 .. 4.4

ton Y.

	c'p'	c'D_	CD	cD'	(1')	00	
A'B'		1	1)	2		and the second second second	A'B'
A'B	4	1 8	.7	G			8'A .
AB	* 12	X	X	× 14	×	X	AB
AB'	1	9	X 31	X 10		31	AG'
	• • • • • • • • • • • • • • • • • • • •		1 A1		h J	8.	

30, we get.

$$x = BC' + BD'$$
  
 $y = BC + CD' + AD$   
 $Z = AD' + A'B'D + BC'D$ 

Dreawings the cirocuit:

