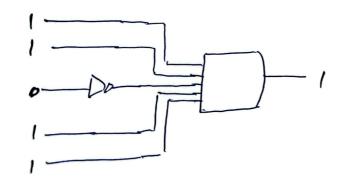
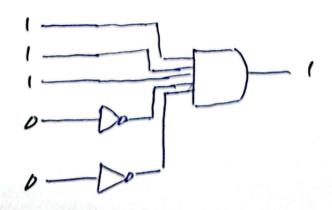


(4)11011

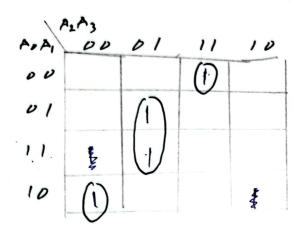


(d) 11100

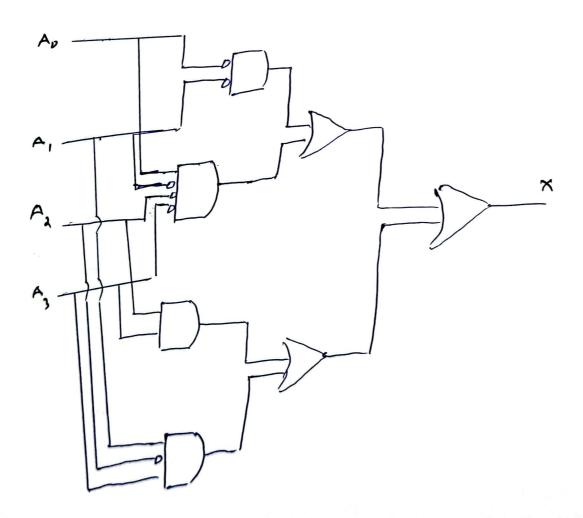


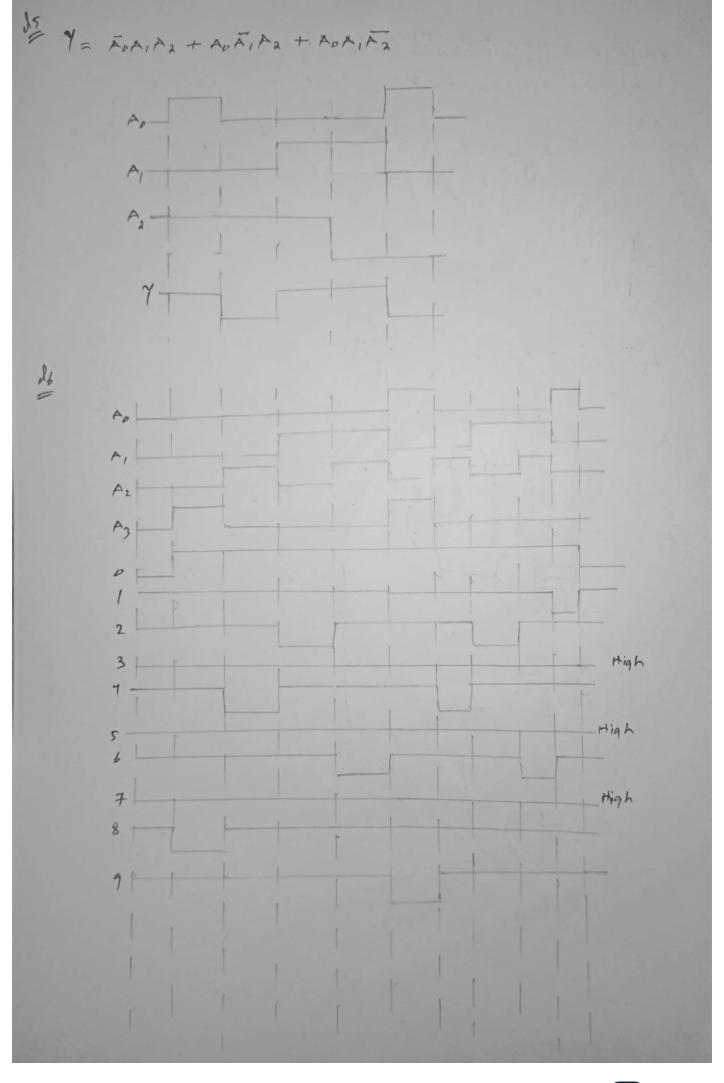
$$X = 1010 + 1100 + 0001 + 1011,$$

$$A_{1}A_{1}A_{0} \quad A_{3}A_{1}A_{0} \quad A_{3}A_{1}A_{0} \quad A_{3}A_{1}A_{0}$$



ADAIAAA + ADAI AZA3 + AIAAA





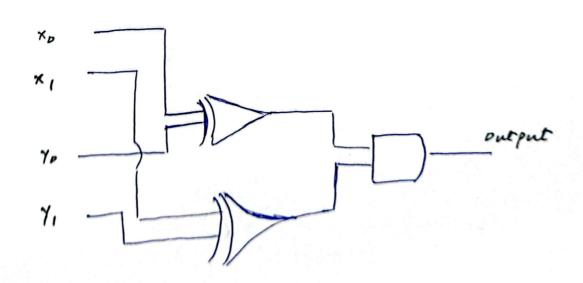
30001

which is an invalid BLD unde

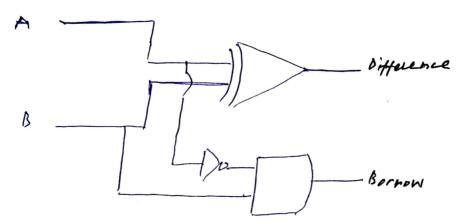
of pril witexceed (9)

18

х,	X,	7,	70	pulput
D	U	U	0	0
0	D	0	1	P
p	v	,	U	D
D	D	1	(1
2	,	0	D	O
0	',	0	1	0
0	(0	1.
0	1	!!	1	
D	1	'	1	0
ı	0	0.	0	0
(v	0	· / . · · · .	1΄
(D	,	0	U
i	0	1	1	0
ľ	(0		1
'	ì	v	D I	0
('	l	,	D
l	1	1 '	0	
1	1	1	1	0

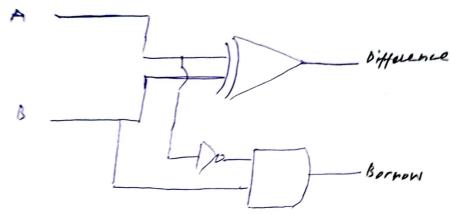


A	B	Differe nee	Borroni
0	ט	D	D
D	1	1	1
1	0	1	O
1	1	D	D

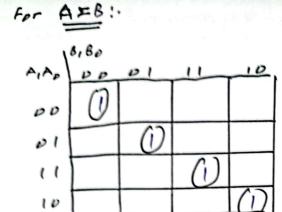


^,	^ 1	Bx	B,	A >B	A= B	ALB
D	D	0	0	0	1	O
U	0	0	1	o	D	1
0	v	,	0	0	D	ı
0	0	1	/	D	D	1
0	,	v	0	1	D	D
D	i	O	1	D	1	L)
0	1	,	U	0	Ď	(
D	1	i	1	D	D	1.
1	U	0	0	t,	D	0
1	0	0	1	4	D	υ
1	0	1	0	0	1,	0
1	0	1	(D	ى	1
ì	,	0	0	1	0	0
i	1	0	1	1	0	O
i	,		0	1 1	0	D
1			1	0		0

A	B	difference	Borrow
0	ס	D	D
D	1	1	1
1	0	1	D
1	1	D	D



1							
المالية	A	^ 1	Ba	B,	A >B	A= B	AIB
	D	D	D	0	o	1	0
		0	0	11	ລ	D	1
	D		,	0	0	0	1
	0	0	,	,	D	0	1
	0	0	,	'			
	0	1	O	0	1	D	D
	D	1	0	1	O	1	ى
	0	1	,	O	0	0	(
	D	1	1	1	D	D	1.
	1	0	0	0	1,	D	6
	1	0	0	1	4	D	O
	1	0	1	0	0	1,	0
	,	0	1	1	U	ت	. /
	,	,			1	0	0
	'	′.	0	0	1	٥	0
	1		0	,		0	
	1	1	1	0	/		0
	1	1	1	1	0	'	0



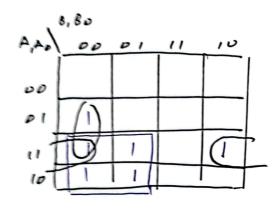
$$(A = B) = \overline{A_1} \overline{A_0} \overline{B_1} \overline{B_0} + \overline{A_1} \overline{A_0} \overline{B_1} \overline{B_0} + \overline{A_1} \overline{A_0} \overline{B_1} \overline{B_0}$$

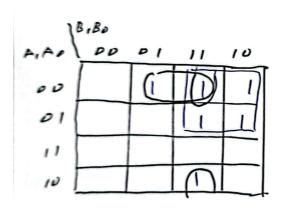
$$+ \overline{A_1} \overline{A_0} \overline{B_1} \overline{B_0}$$

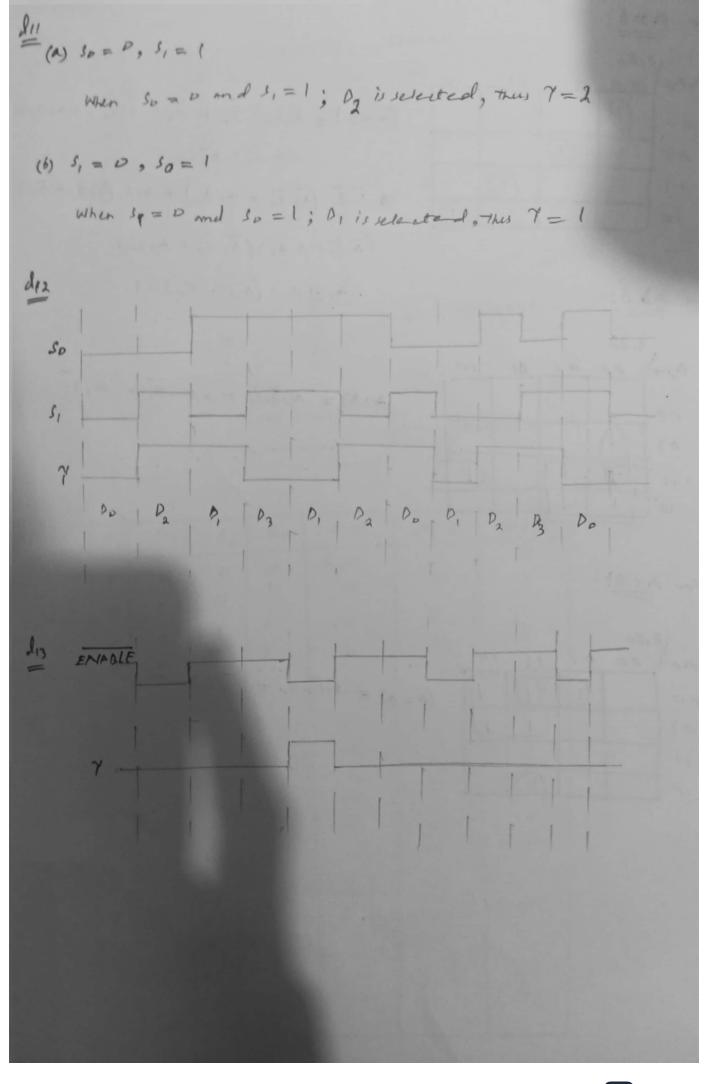
$$+ \overline{A_1} \overline{B_1} (\overline{A_0} \overline{B_0} + \overline{A_0} \overline{B_0}) + \overline{A_1} \overline{B_1} (\overline{A_0} \overline{B_0} + \overline{A_0} \overline{B_0})$$

$$(\overline{A_1} \overline{B_1} + \overline{A_1} \overline{B_1}) (\overline{A_0} \overline{B_0} + \overline{A_0} \overline{B_0})$$

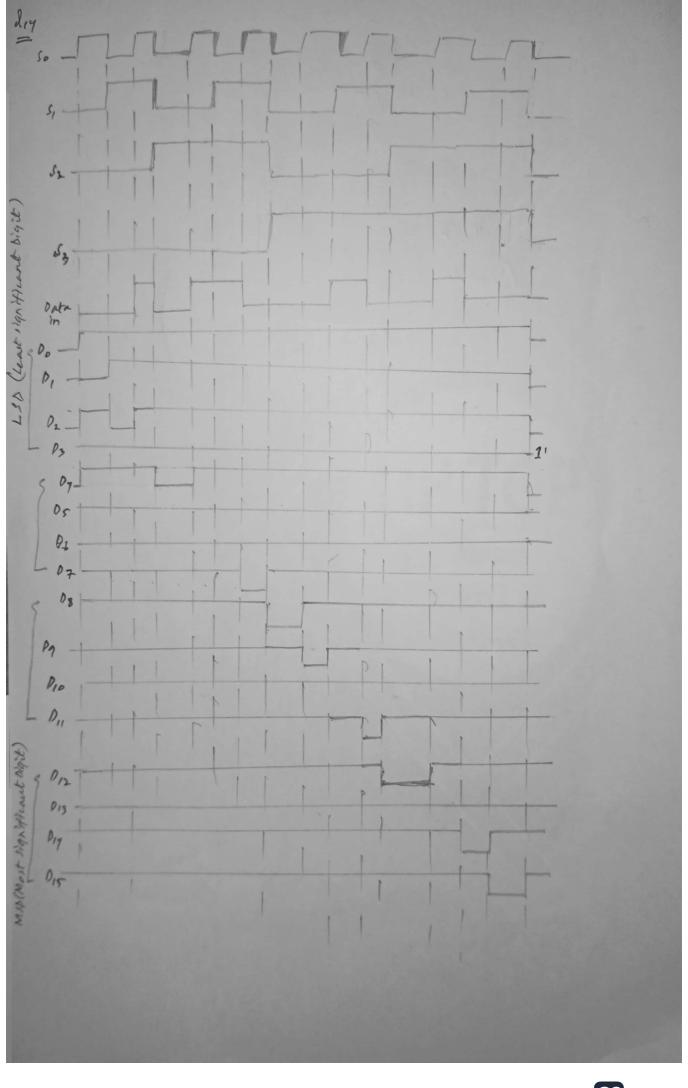
$$(\overline{A_1} \overline{D_1}) (\overline{A_0} \overline{D_0} + \overline{A_0} \overline{B_0})$$

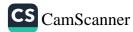


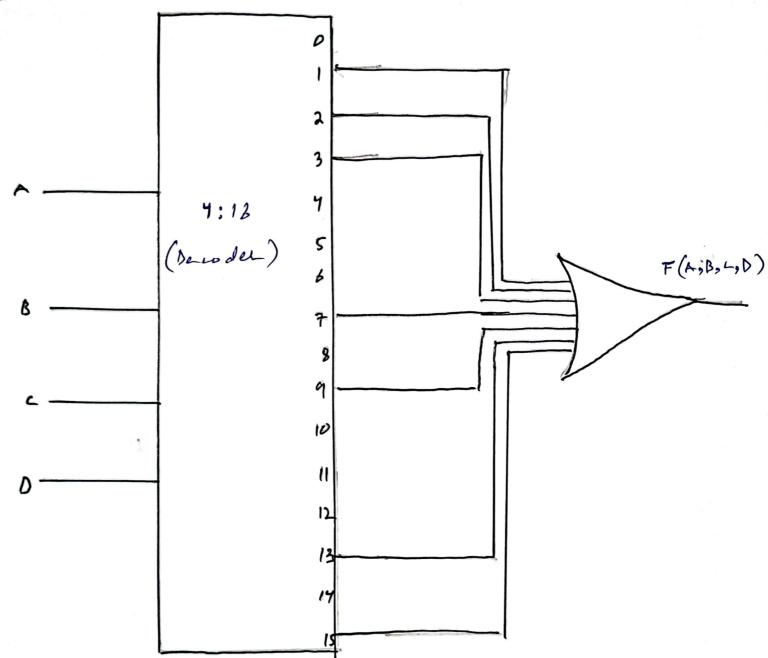










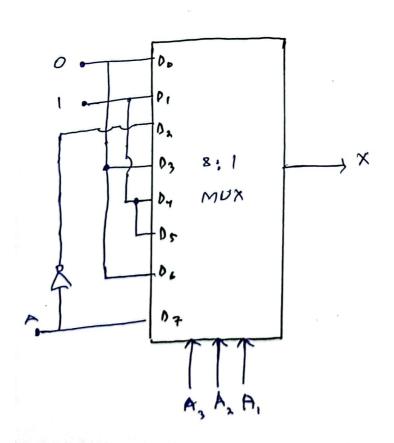


A ₃	P	4	Po	ontput
0	D	D	0	D
0	U	D	1	O
0	O	1	0	1.
0	0	ı	1	1,
P	1	0	0	1.
D	(D	1	0
0	1	. 1	0	D
0	1	1	1	D
1	0	U	0	1.
1	0	0	1	1.
1	0	1	0	i,
1	0	i	1	١, .
1	1	0	0	D
1	1	0	1	0
1	1	,	D	D
1	1	1	1	7

" Ao Is used as data line

Implementation Table:

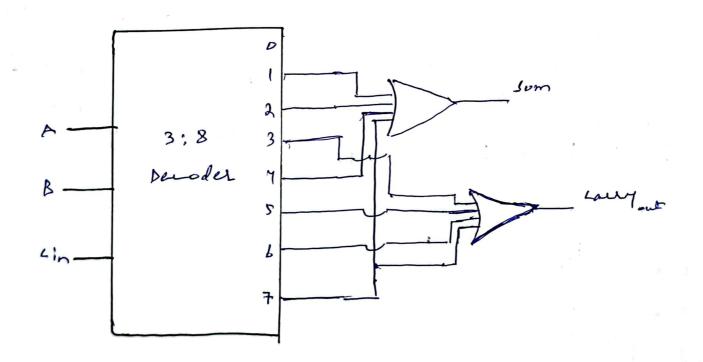
	Ā.	Az	, , , , , , , , , , , , , , , , , , ,
Po	D	1	→ °
Pı	(3)	(3)	- Ap+A==1
02	4		ナA M
03	Ь	7	\rightarrow \circ
D 7	B _((9)	- Au + Au = 1
05	10	0	-) As+ As=1
D1	12	13	-, D
D7	14	0	<u>→</u> A.B.



Jit

X	7	12	Su m	Larry
0	0	0	D	O
0	0	1	1	0
0	1	0	and 1	ی
0	1 1	1 5	D	1
1	0	0	. 1	D
L	U	1	O	t
(1	U	D	(
l,	1	1	ι	(
_	1-1			`

Sum= 3= \(\begin{aligned} \begin{aligned} \(\begin{aligned} \begin{aligned}



14

×	7	Z	Sum	Larry		
0	U	D	0	0	73=2	, 420
0	U		1	D		
0	1	0	1	D	7 1-3	, L= Z
0	1	1	D	1	4	
1	0	0	1	O	7 62	, (= そ
1	0	1	0	1]]]]	,
1	1	O	0	1	7.	1
1	١,	1	(1 1	J 3= Z	, <= 1

