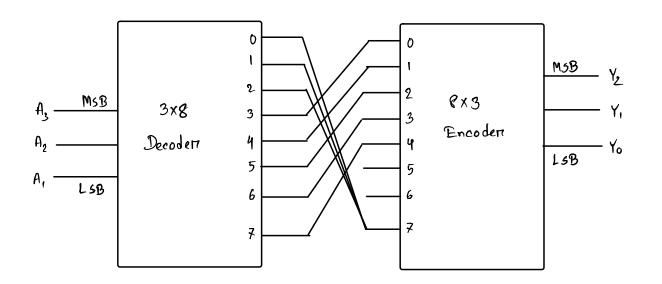
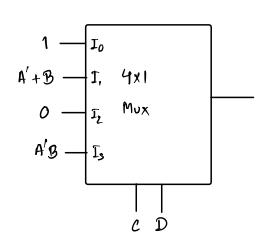
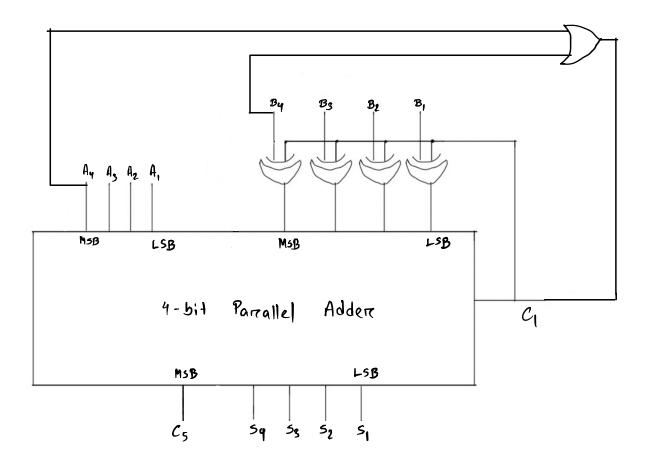
_								_
_		A <sub>3</sub>	A <sub>2</sub>	Α,	Yz	Yı	Yo	_
	0	0	O	0	ı	1	1	
	1	0	0	1	1	1	1	-   nesults and less _   than 7
	२	0	1	0	1	١	1	
-	3	Ô	1		0	0	0	<del></del>
-	4	1	0	0	0	0	1	_
	5	1	0	1	0	1	0	_
	6	]	1	0	0	l	I	_
	7	1		1	1	0	0	



04. 
$$F(A, B, C, D) = \Sigma(0, 1, 4, 5, 7, 8, 12, 13)$$



	I.	I,	I2	Iz				
A'B'	0	$\bigcirc$	2	3				
A'B	4	5	6	<b>②</b>				
AB'	(6)	9	10	11				
AB	(12)	(3)	14	15				
1   0   A'B								
		A'B' + A'B	+ AB					
	= A'(B'+B)+AB							
= A' + AB								
	= $(A'+A)(A'+B)$							
	= A' + B							

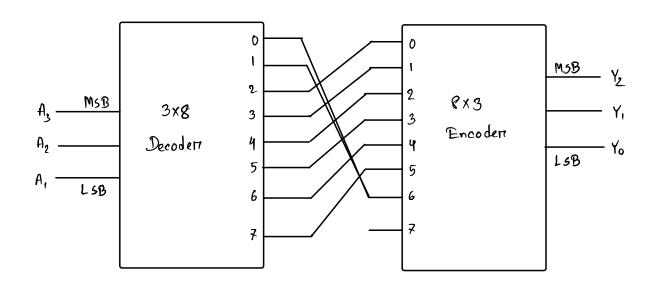


A4		Вц		$C_1$	
0	A <u>&lt;</u> 7	0	BLF	0	A+B
0	A ≤ ₹	1	B> 7	1	A -B
1	A 7 7	0	B < 7	ı	A-B
1	A77	١	377	1	A -B

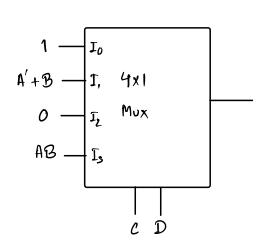
... 
$$C_1 = A_4 + B_4$$

$$= \overline{A_4' \cdot B_4'} \longrightarrow A_{ny} \text{ one}$$

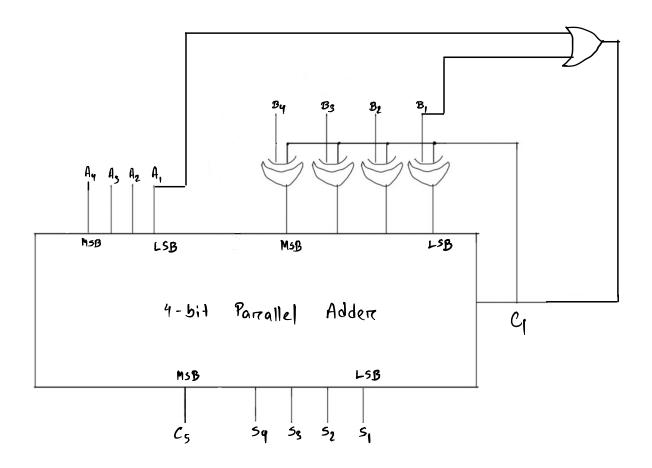
_								
		A <sub>3</sub>	A <sub>2</sub>	Α,	Yz	Y,	Yo	
	0	0	0	0	1	1	٥	Tresults are less
	1	0	0	1	١	1	0	than 6
-	२	0	1	0	0	٥	0	_
-	3	Ô	1	1	0	O	1	_
-	4	1	0	O	0	١	0	_
	5	1	0	1	0	1	l	
•	6	]		0	1	0	0	
	7		-	1	ı	0	1	



04. 
$$F(A, B, C, D) = \Sigma(0, 1, 4, 5, 8, 12, 13, 15)$$



	I.	I,	$I_2$	J <sub>3</sub>			
A'B'	0	$\bigcirc$	2	3			
A'B	4	5	6	ヌ			
A B'	(	9	10	11			
AB	12	(3)	14	15)			
1   0   AB							
		A'B' + A' B	3 + AB				
= A'(B'+B)+AB							
= A' + AB							
	= (A'+A)(A'+B)						
	= A' + B						



_	A,		Bi		$C_1$	
	0	A%2=0	0	B7.2=0	O	A+B
	0	A%2=0	l	B9.2=1	T	A -B
	1	A%2=1	0	B702=0	ı	A-B
_	I	A % 2 = 1	١	B7.2=1	1	A-B

Divisible by 2 =

Even = Number % 2 = 0

$$C_1 = A_1 + B_1$$

$$= \frac{A_1' \cdot B_1'}{A_1' \cdot B_1'}$$
Any one