DLD Sessional-03

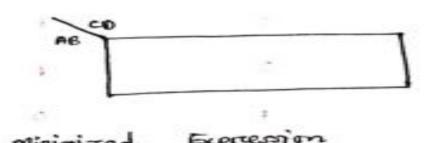
Detect 4-bit Prime Number

	(apt thine number (aptice) (Latel)								
	Inpu	ıt	output (Prime)						
A	6 -	c	Þ	23.1 *	to be seen				
0	0	0	0	0					
o	0	0	1-		11.75				
0	0		0						
0	0	.1	1	- 1	F + F				
0	4	a	0	. 0 .	3.1.6				
0	1	0	3	1	919				
o	1	3			_				
0	3			1					
	1 49 45 .	-, · O ₁ + ·	10,10	foreta:	4				
	0	0	1						
1	0	1	0	2 -					
	0		1						
		0	0						
1		o	1						
,									
,	1	1	0						
	1		1						

Detect 4-bit Prime Number (2)

$$F = \pm \left(\frac{23}{5}, \frac{5}{7}, --\right)$$
Sum of product

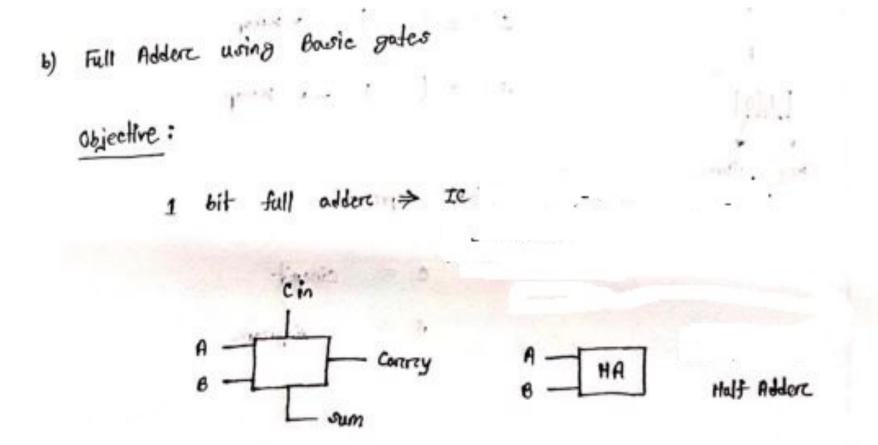
Kmop:



circuit Diagram .

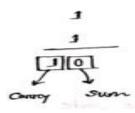
Requirements .

Full Adder using Basic Gates



Full Adder using Basic Gates (2)

		1 1 1	7 70 700	
Cin	A	В	Cortrey	Sum
0	0	0	0	0
0	0	1 ,	0	7
0	3	0 .	0	1
0	_1	1	1	0
1	0	0	0	3
1	0	3	1	0
3	3	0	1	0 11.245
1	.1	_1	1	1



$$c = \pm () \longrightarrow \text{Kmop}$$

$$s = \pm () \longrightarrow \text{Kmop}$$

Minimizal Expression

Full Subtractor using Basic Gates

