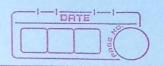
clock 一比 PRESET -10 741576 DUAL + LLEAP! MC J-JC FA 15 -GND VCC 24 -50 clock PREJETZ 20 (EEAR2



Procedure

Make the connections as per the logic circuit of 3-bit

Synchronous up/pown Counter circuit using TC-741576

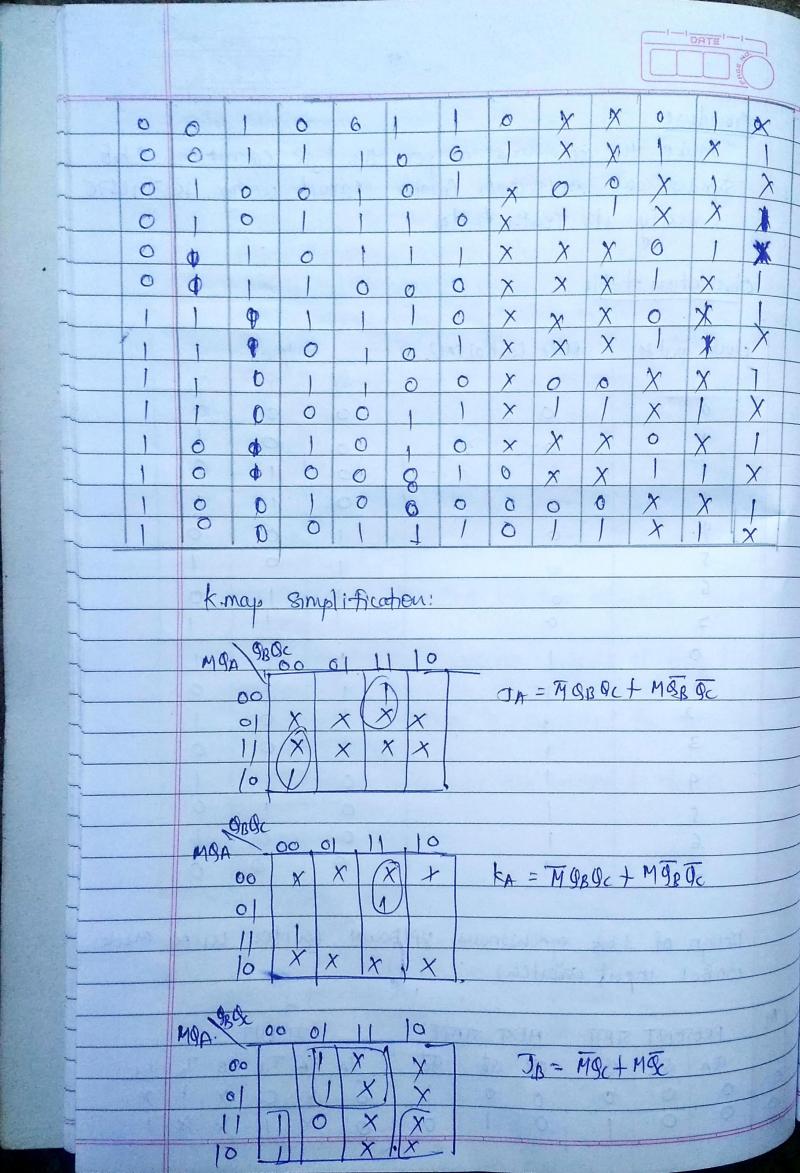
4 verify it's Truth table.

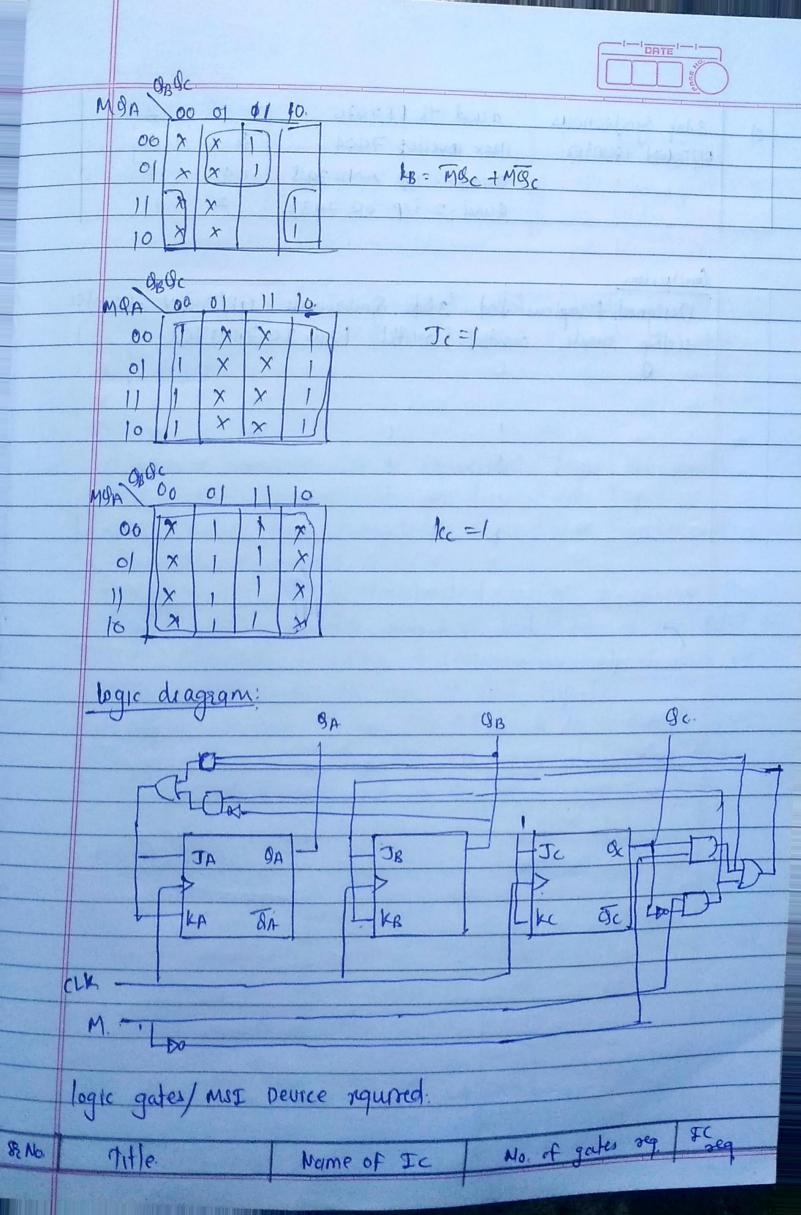
observation table

		X X X I D		1
1	dock pulse.	Mode Couro (M)	Output	1 1
	I X	o a x o	QA OB	90
	0	0	0 0	0
	1 10	O X O	0 0	
	2	V 0. 0	0 1	0
	3	0 0 0	00 10	1
	× 9	0	0	0
	2	Ø	0	
	6	O	destallant land	0
	7.	Q.		1
	O	0.1	11 12 242/	DIA
	7 32M 4	2525 - 1755 B	A	0
	2	1	1 10	
	3	X	1 100	0
	4		0 10	
	5	1	0 1	0
	6	01	0 0	(1)
	7 244	material and a	0 0	0

perign of 3-bit synchronous up/Down counter using mode control input control

M	PRESENT STATE		MEXT STATE		TNPUT								
	QA	QB	de	cet	QB	gt	' JA	KA	Tis	EB	Tc	kc.	
10	0	0	0	0	0	12	. 0	Y	0	X		×	
- 10	0	0		0	1	0	0	X	1	X	X	1	
							0						





	DATE
37	3-bit Synchronous Quad JK FF7976 -
	up/poion counter Hex invertes 7464 8
	Quad-2-1/P AMD 3408 4
	Quad -2-1/P 0/2 7432 2
	Conclusion
	Designed & implemented 3-bit Synchronous UP/DOWN -count using mode control southly (Use-IC-741176)
	using mode control sovitch (Use IC-741176)
	The state of the s
	81 /1 10 par/an
	J K / 1 1 1 6 1 4
1	
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