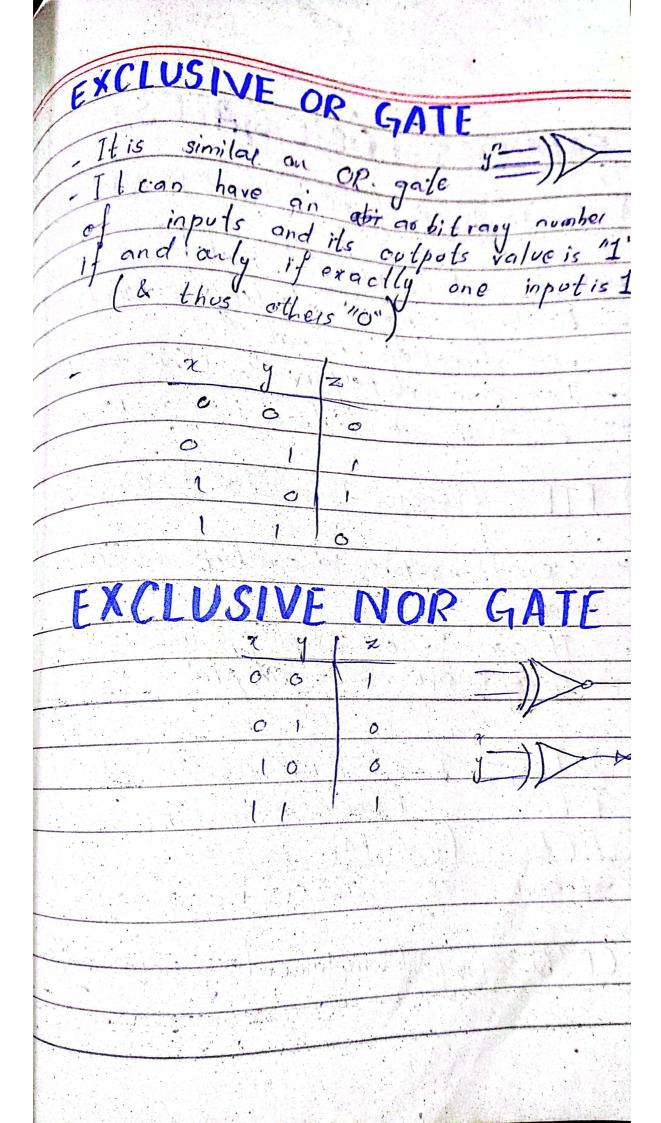
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Topics:  Jarithematic and logic gates  Dexclusive or and nor gate  Topics:  Jexclusive or and logic gates  Jexclusive or and nor gate  Boolean algebra	
Topics:  Jarithematic and logic gates  Dexclusive or and nor gate  Topics:  Jexclusive or and logic gates  Jexclusive or and nor gate  Boolean algebra	( lalace)
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3) families logic gates 4) Boolean algebra	Topics:
3) families logic gates 4) Boolean algebra	Jarithematic and logic gate
4) Boolean algebra	2) exclusive 'or and nor' gate
4) Boolean algebra	3) families logic gates
5) combinational circuit	4) Boolean algebra
	5) combinational circuit



## FAMILIES LOGIC GATES :

1) Diode logic (AND & OR logic function
-> Diode act as logical switch:
-> Diode act as logical switch:  -> Easily passing an electrical current in one direction but not other.
They can not perform a NOT operation  They can not perform a NOT operation  To so their use fulness is quite on
2) RTL (Resistor-Transistor logic)
y use transisters to combine multiple
inputs signals.  It can also amplify & invert (NO)  Theopensive and simple.
3) DTL (diode transistor logic
4) TTL (transistor transistor 5) ECL (Emitter coupled logic)
sknown às culent mode dogic!
6) CMOS Logic (complementary metal oxide semicon doctor

## BOOLEAN ALGEBRA

- An algebraic showthere defined on a set of elements "B" together with two Binacy operator (+, ) miliplications

OR + lows simplify complexe

AND calculations.

## ASSIGNMENT 03

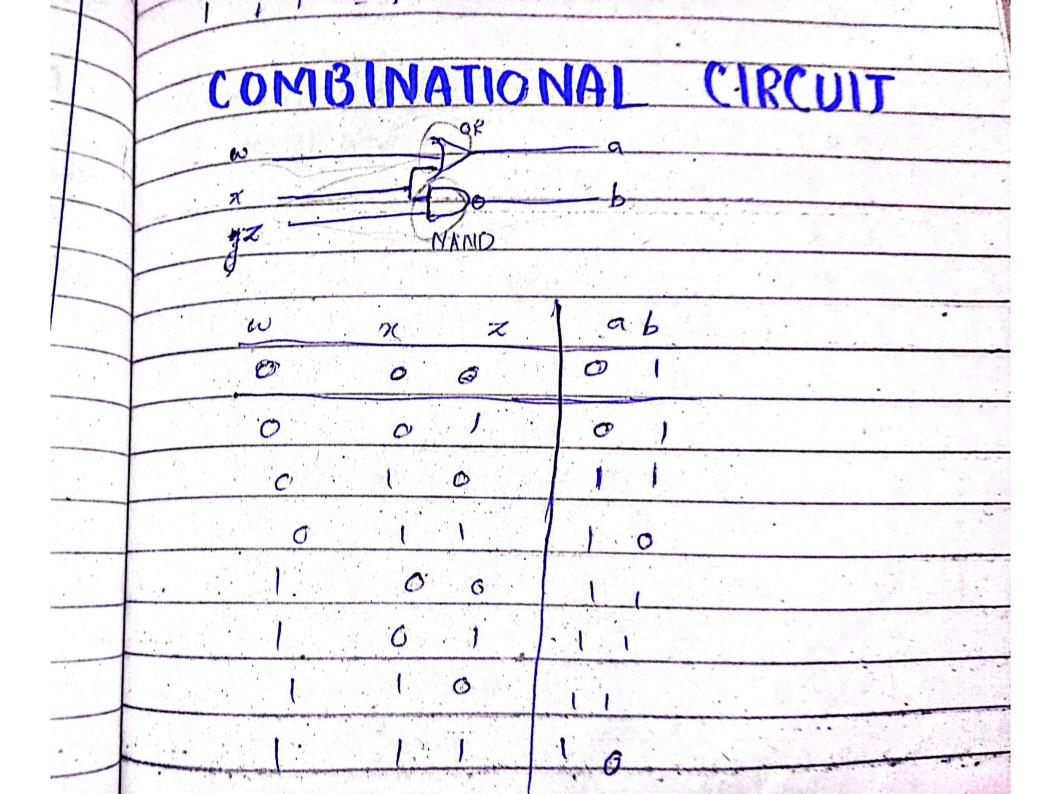
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· (ommulative distributive . I Lentite
with truth tables.

Homework "Couecter" Vec=+5V

Base

Emitter



Com binas Two Crevit Crevit Existing Specif