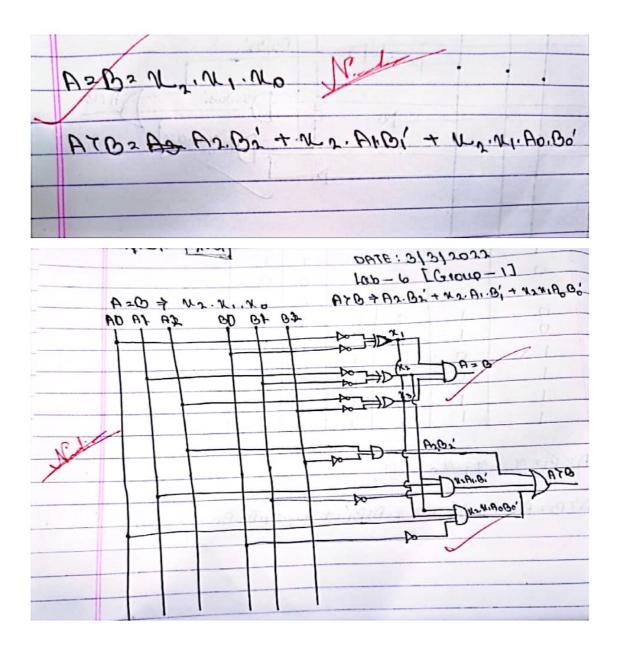
CSF260 LAB ASSIGNMENT 6

DECTION OF

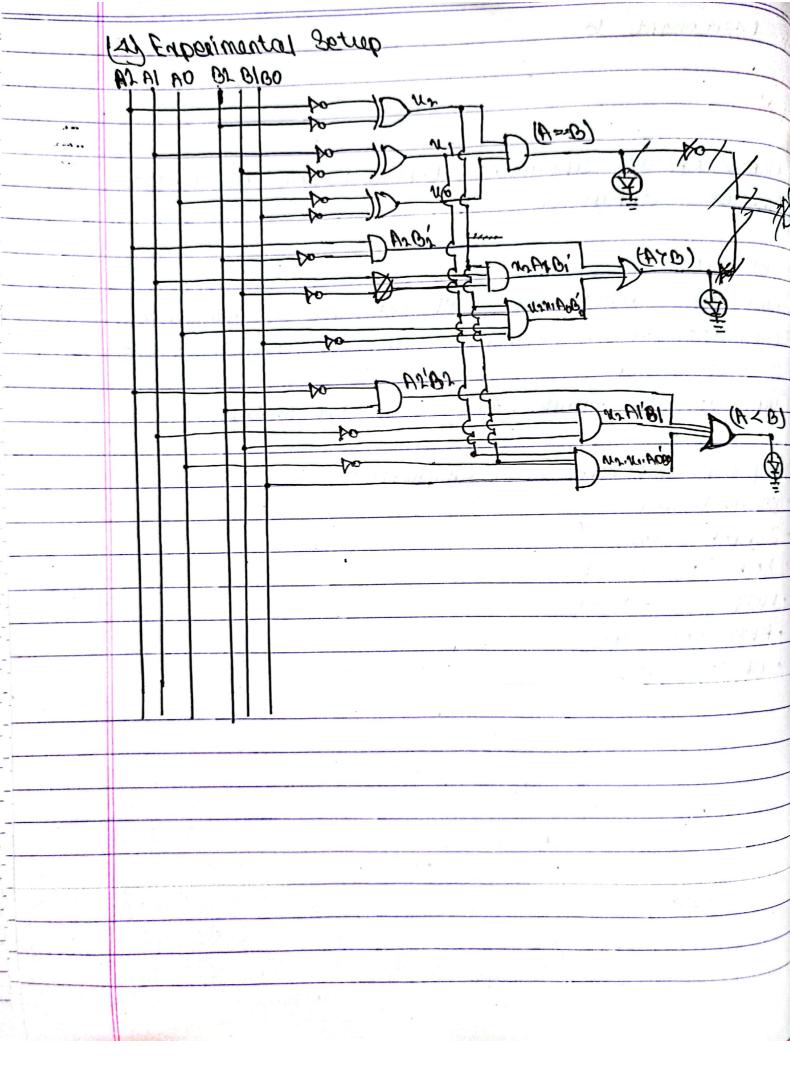


CSE 260 LAB ASSIGNMENT 6

GROUP 1



	Lab Assia mant 6
	00/3 19 04 10 14
	Report
	(y warm of the superiment: Implementation of 3-bit
	Margitude. Comparator
	11/9/4, 1 11/9/4
	(2) Objective:
	· Draw the circult that will act as a Magnitude
	comparators. Circuit should be able to compare two
	3 bits numbers
	· Implement the circuit (for two 3-bit numbers)
	(3) Required components and equipments:
	· Broad board
	- Jumper wishm
	· XOR (1C 7/186)
	· NOT (10 740A)
	· AND (1C 7408)
	· OR (1C 7432)
$-\parallel$	



Nhor the 3 inputs for A and 3 inputs for B une equal to one another (A2=02, A1=B1, A0=B0), the 120 Hapt alous. The a light alous because the 120 Hapt alous. The a light alous because usen A=0=1 and A or A=0=0; o, for these inputs, the output always is I in reference to the truth table for XLOR.

ID) ATB

IT AD & DT On to Atl B (AT 2 B) and AI T BI) OF

[AT 2 B) and AI 2 BI and AO & BO) . the light glows.

From AT T BD the Output is O and the other.

I outputs are either I or O, freending to the

that take for OR agre. the output is always.

I for any inputs except for all D's As This agre.

Occurs in all the above scaraios, where the inputs to the Outputs from the AND agres which are the inputs to the OR agres, provide that a other than a other to the OR agres, provide that the OR agres, provide that a other than a other than a other than the AND a other thand a other than the AND a other than the AND a other than the AND

C) AXB

Th AlxBr on (AloBr and AlxBr) or (AloBr and
AloBr and Abred), the light about for AlxBr, the

Output is a and the other 2 autputs are aither 1 or a

According to the truth table for OR agets, the

1	The second secon
	autput is alumned I los any inputs except for all 0's.
١	The man occurs in all the above 3 comming as well where
I	in more from AND rates, which are the inputs to the De
İ	acte provide any inputs except 000.
į	
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	. Il & the circuit for ATB and A22B are were
	connected together using a NOR agre, the output
	will aive the result for ALB.
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