## Experiment No.61 Implementation of 4 bit Mgnitude Comparate

## Objectives!

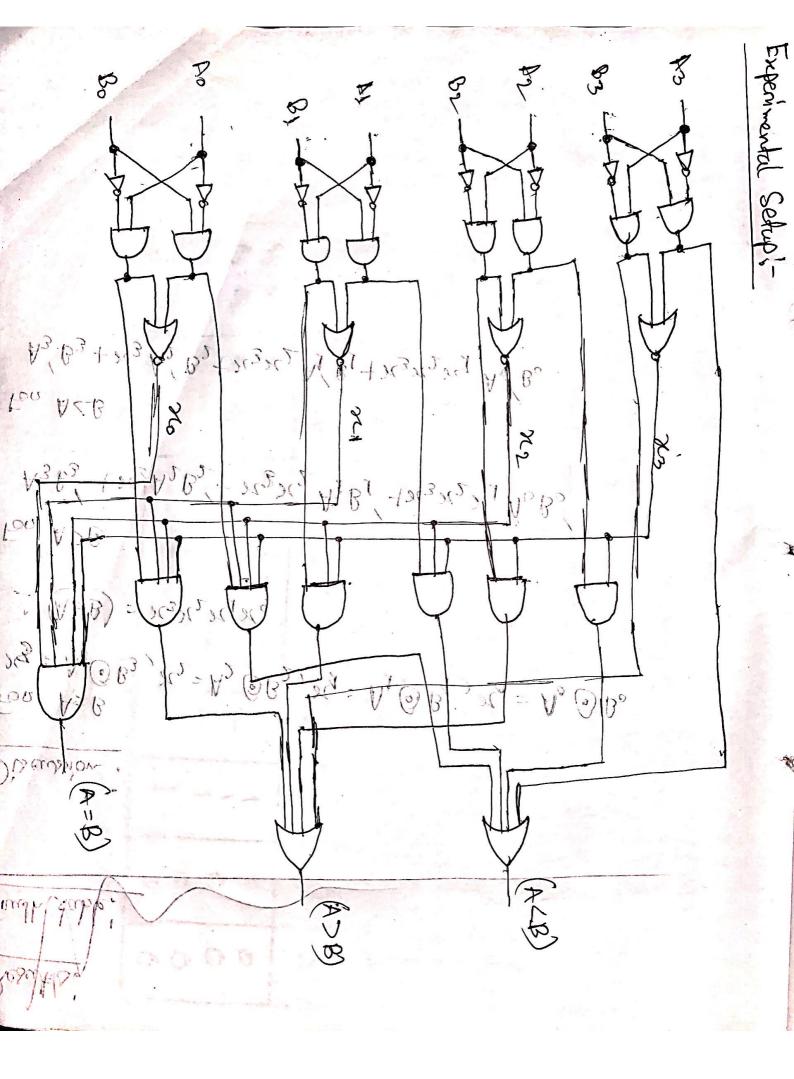
Prawing the circuit that will act as a Magnitude Components
Your circuit should be able to compare two 4 bit number

To impliment my circuit (for two 4-bit numbers).

## Required Equipments.?

- -> AND gate
- -> NOT gate
- -> NOR gate
- -> LOGICPROBE
- -> LOGICSTATE.
- > OR gate
- → 4072
- 74082
- 77411

01100



					T		1 [
83283 83283 83283	A3=B3	A3 = B3 A3 = B3	A3 = B3 A3 = B3 A3 = B3	A3>B3	A3,B3	4	
An= Br An= Br An= Br	A2=B2	A2=B2	A2>B2 Ah= B2 An=B2	1	A2, B2	Compense	
A, ~B,	41 = B1	A3 = B1	A17B1 A3=B1	1	A, B,		Thouse
Ao <bo< td=""><td>A. ~B.</td><td>A, = B,</td><td>A. 7B.</td><td>1</td><td>Ao Bo</td><td></td><td></td></bo<>	A. ~B.	A, = B,	A. 7B.	1	Ao Bo		
1 1 1	-	0 0	1 1	11	ALB	<u> </u>	
1 1-1	0 -	- 0	] ]	1	A=B	Cascade	A
1 1 1		J -		_	ASB		
	***	00	000	0	ALB		
0000	0	-0	000	0	A=B		Output
0000	G C	> -	→		ADB		

