CSE 260 Lab Report

Expertiment Name: Familiarization of Fundamental Logic Gates.

submitted by :

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section 0 01

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Experiment Name: Familiarization of Fandamental logic Grates.

Objective:

1. To get tamiliarized with tundamental logic gates and demonstrate the input output rulationship of 2-input AND(IC-7408), OR (1C-7432) and NOT (1C-7404)1 gates by constructing their truth tables.

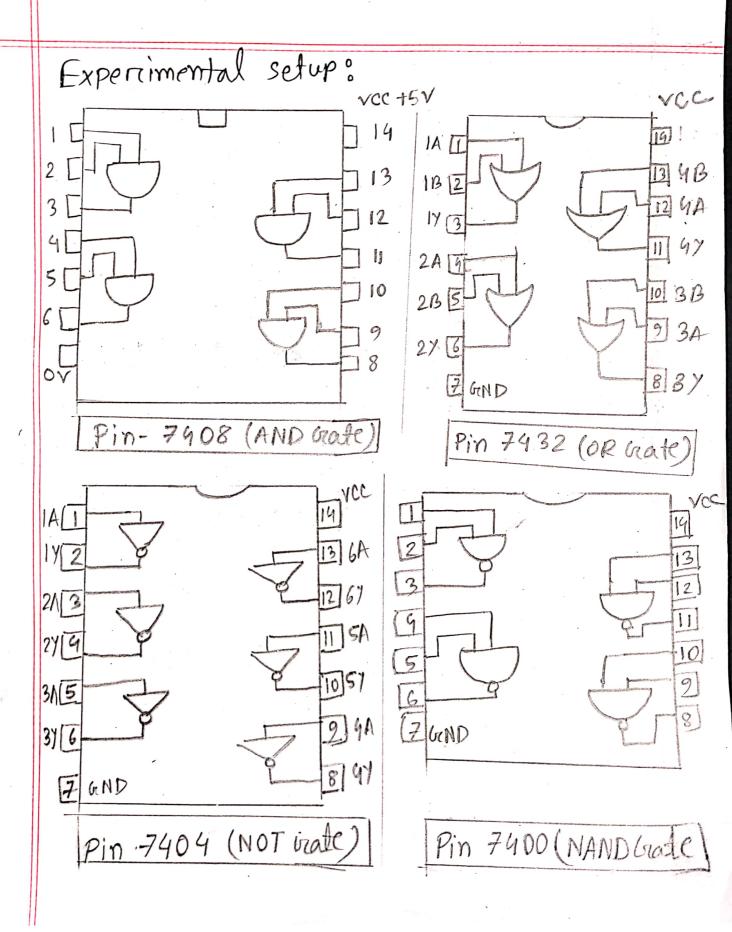
2. To get tamiliarized with other logic gates like NAND (1c-7400), NOR (1c-7402), XOR (10-7486) and XNOR (10-74266).

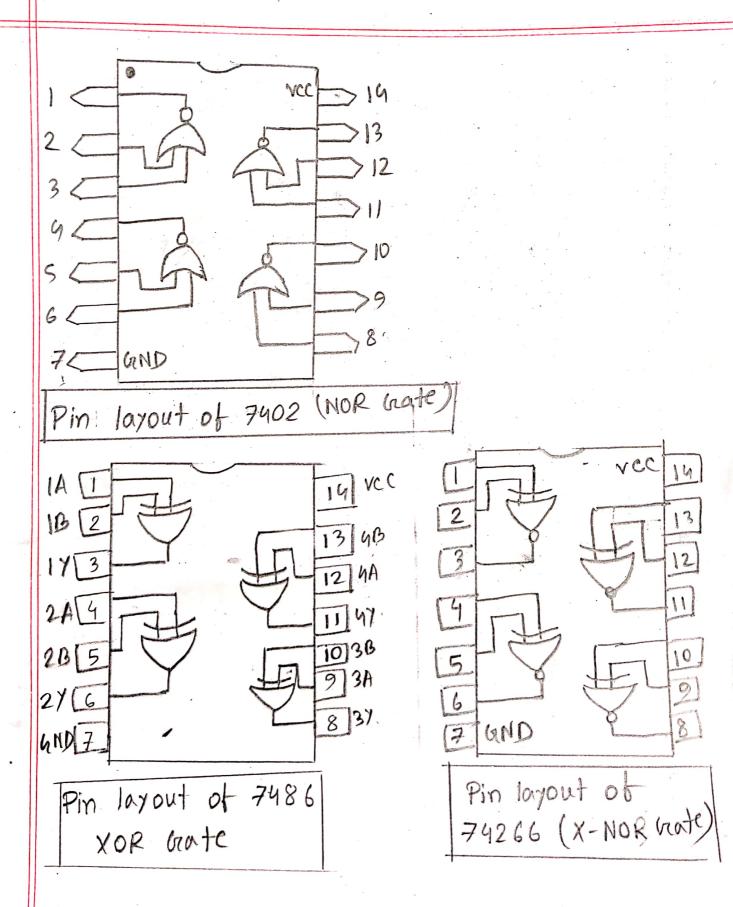
Reorwired components:

s. Not gate 1. Logic probe content)

6. NOR gate 2. Logicstate (input)

7.XOR gorte 3. And gate 4. or gate





Results (Truth Mable) (10) stord toM

1 AND Grante (IC-7408)

Α	В	outp	ut			
0	0	0				
 O _e	0006	0	•		2 la A 14	
1	0	O	,	70) 0 - (ЛИАИ	-
	Highwa	1	9	. ^		

2. OR Create (IC-7432) :

	A	B	ontput			
	0	0	0			
	0		1.)	beat	NOR	. 3
	1	Ong En O	1-9	Α		
1	1	1.	10	. O		

3. Not Grate (IC-7404) 11:11)

Input	Ontput	12/2001	ana.
0	tunido.	3	A
1	0	0	0.

4. NAND Grate (IC-7900)

A	B	output	positive de
0	0	-	
0 9	(73 p.k.) II))	ton) 90
1	10,00	l'a	
1	1	0	A
,			

5. NOR brate (IC-7402).

A	B	Output
0	0	1.
0	1	0
J	0	0
1	1	0

6. XOR trate (IC-7486):

	A	B	output
	0	0	0
	0		1
_	1	0	1
		I'm i	0

7. XNOR vate (IC-74266):

A	B	ontput
0	0	of the same of the
0	1	0
	0	0
1	1	1

Discussions: In our CSE 260 lab report 1, we have learnt the basic use of the software profins. In this process of getting familiarized with fundamental logic gates I was able to see proof of the truth tables of logic gates that we have teamn't before. *I was able to see results of diffrent combinations in Jithrent logic gates. In addition, I did not face any problemy in this project protins seemed a very facinating software to me.