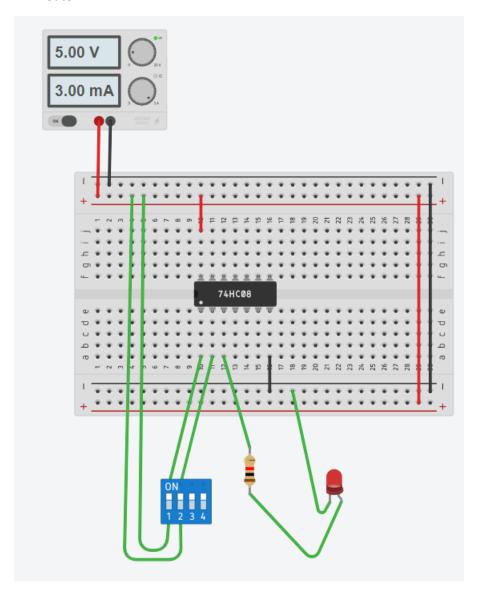
	Anish Shorma ITI IOII LDCA SAP: 80003220045
	Expl: Basic Grates
	Aim: Study of basic logic Grotes
	Appaxatus: Digital electronics wives, probes, etc
	Component: IC
0	Theory:
1	AND Gote
	Truth toble: A B Y=A.B
0	Equation: Y = A.B
	Symbol: B y
	K-mop: 8 0 1 0 0 0 1 0 1
(Sundaram)	FOR EDUCATIONAL USE

2.	DR Grote
	Touth Table: A B Y = A+B 0 0 0 1 1 1 0 1
	Equation: Y = A+B
	Symbol: A y
	K-map: B A 0 1 1 1 1 1 1
3	NAND Grate
	Truth Table: A B Y = A.B 1 0 1 0 1 0 1 1 1
Sundara	For Educational Use

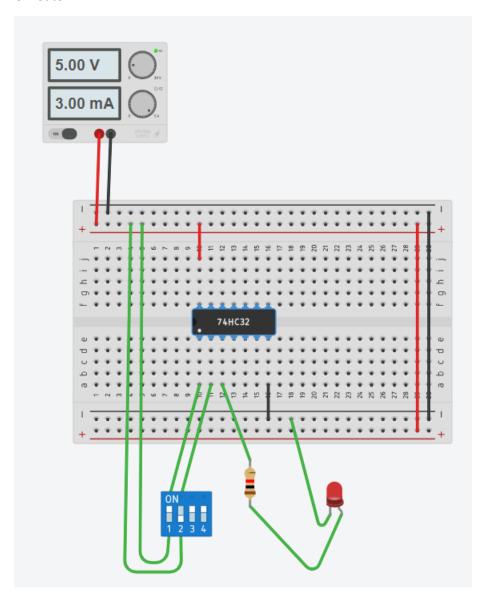
4	NOT-Grate
	Truth Table: A Y=A Fquation: Y=A
	Symbol: A Y = A
5	NOR Gote
	Touth Table: A B Y 0 0 1 0 1 0 1 0 0
•	Equation: $Y = \overline{A} + 8$ Symbol: $A = A + B$
	k mop: 0 1 0 1 0 0
Fundaram	FOR EDUCATIONAL USE

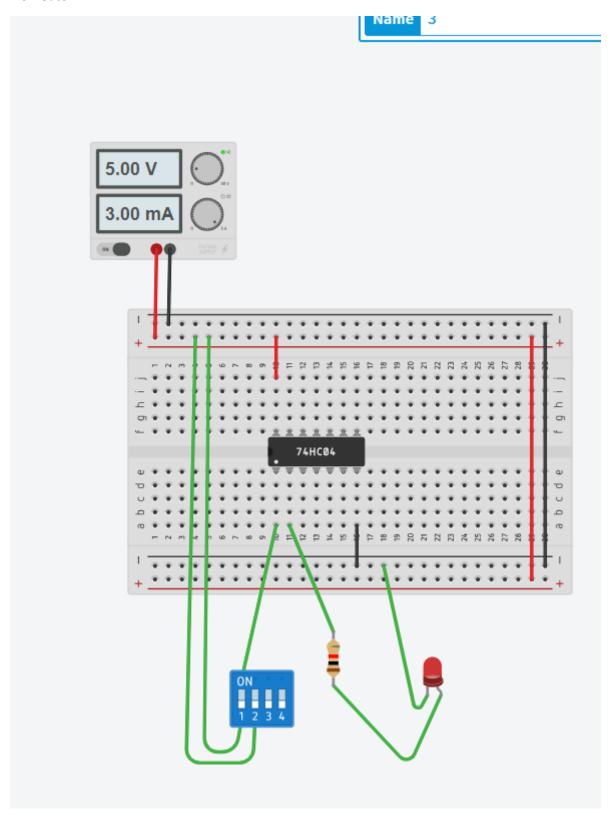
6 X-OR Grote	
Truth Table: A B Y = A. BB	
Equation: $Y = A \oplus B$	
Symbol; A	
No. 1	
3 A O I	
	9
FOR EDUCATIONAL USE	
TOR EDUCATIONAL USE	

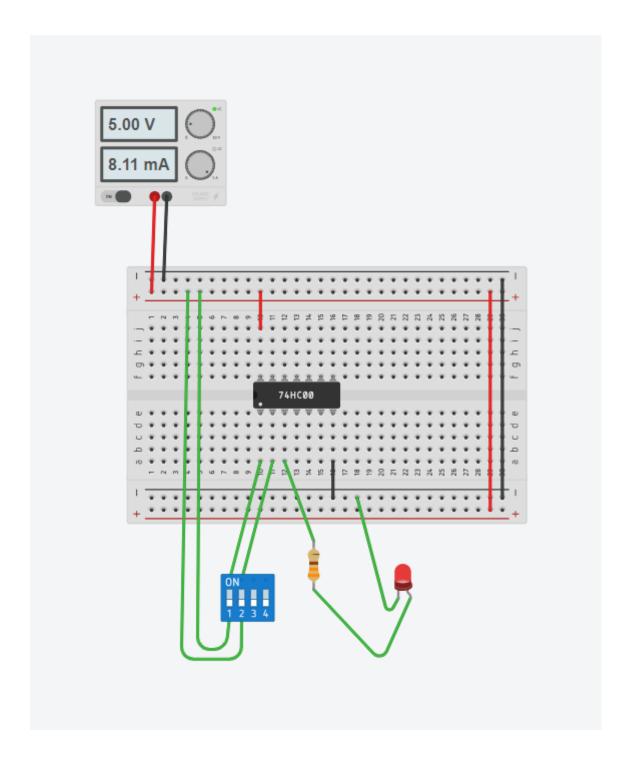
AND Gate

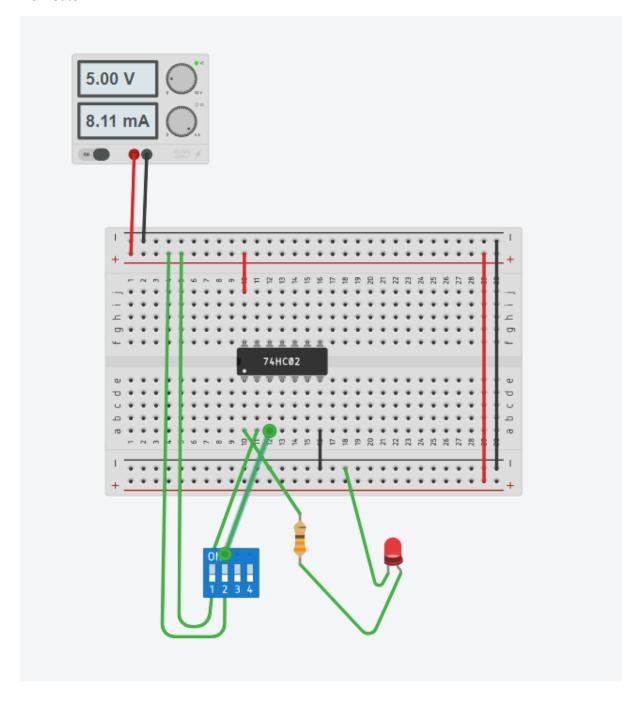


OR Gate









XOR Gate

