

CS-226

SWITCHING THEORY LAB

LAB-1

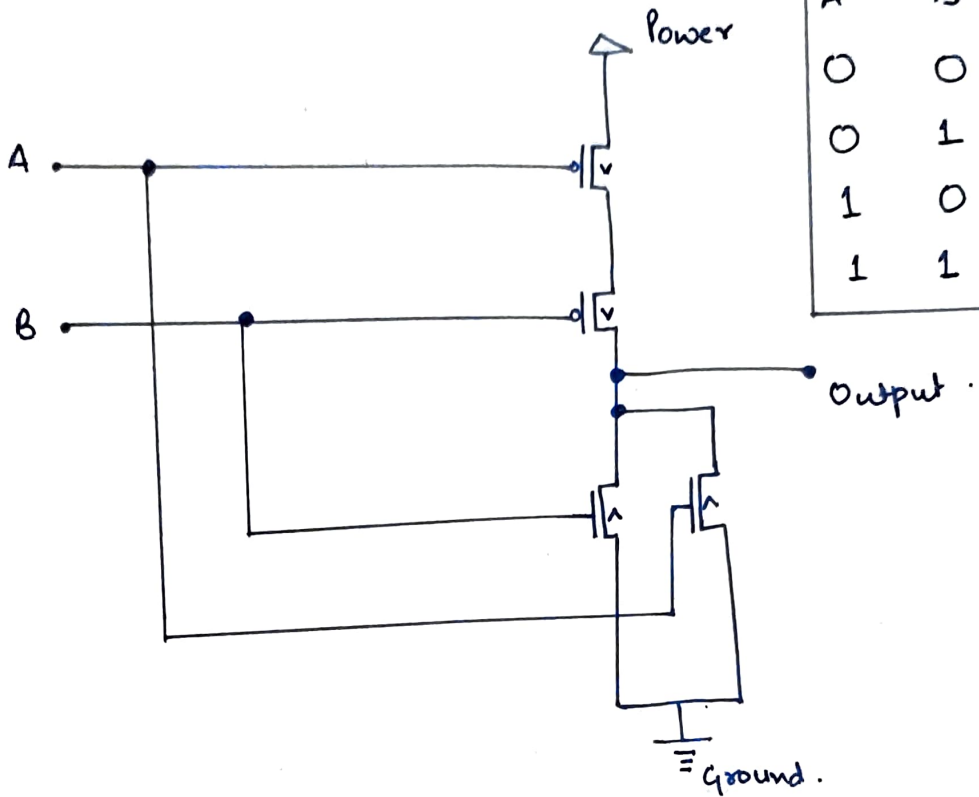
- TARUSI MITTAL

- 1901CS65

- Pranav

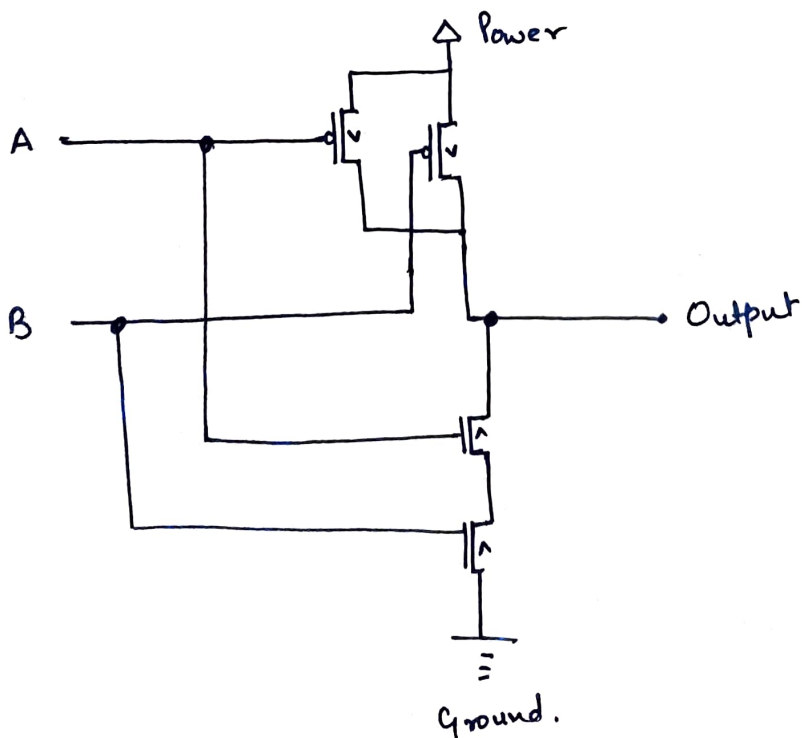
- 11/01/2021

1. NOR GATE



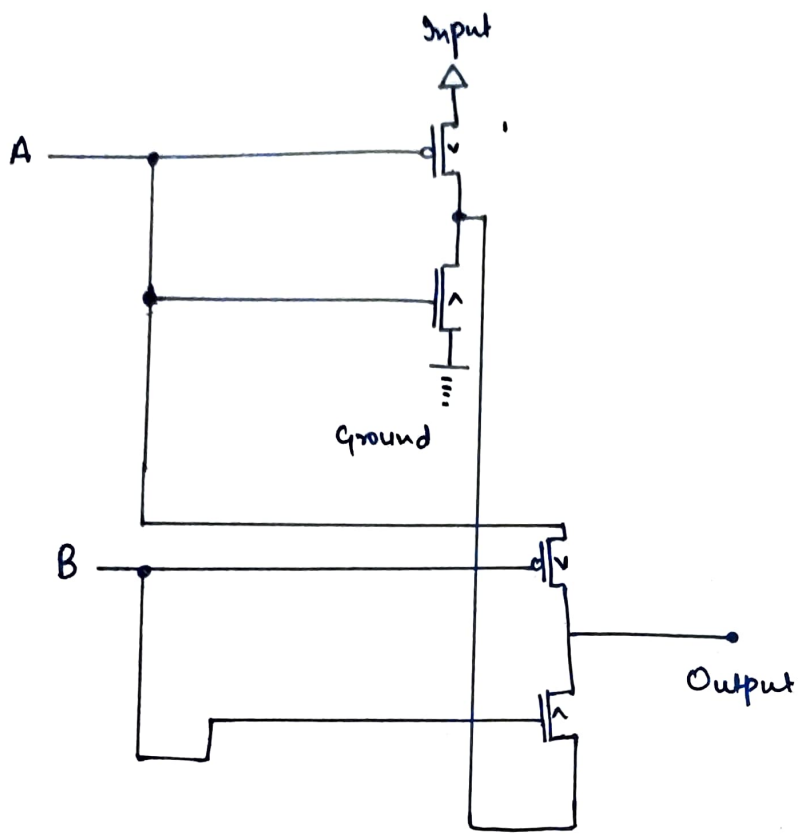
TRUTH TABLE		
A	B	Output
0	0	1
0	1	0
1	0	0
1	1	0

2. NAND GATE



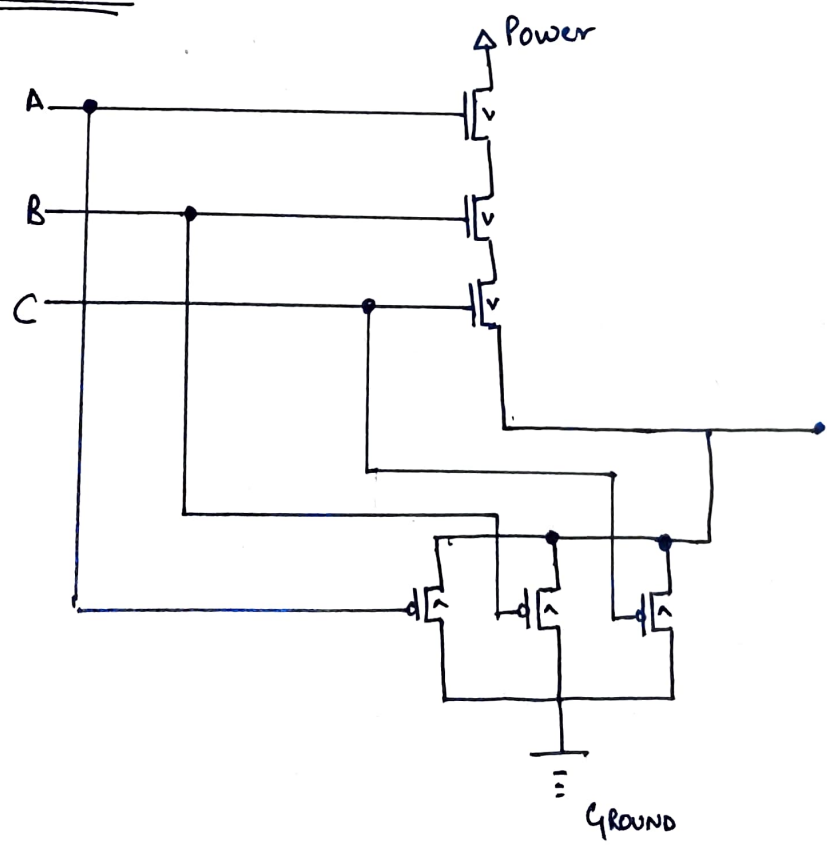
A	B	Output
0	0	1
0	1	1
1	0	1
1	1	0

3. XOR GATE



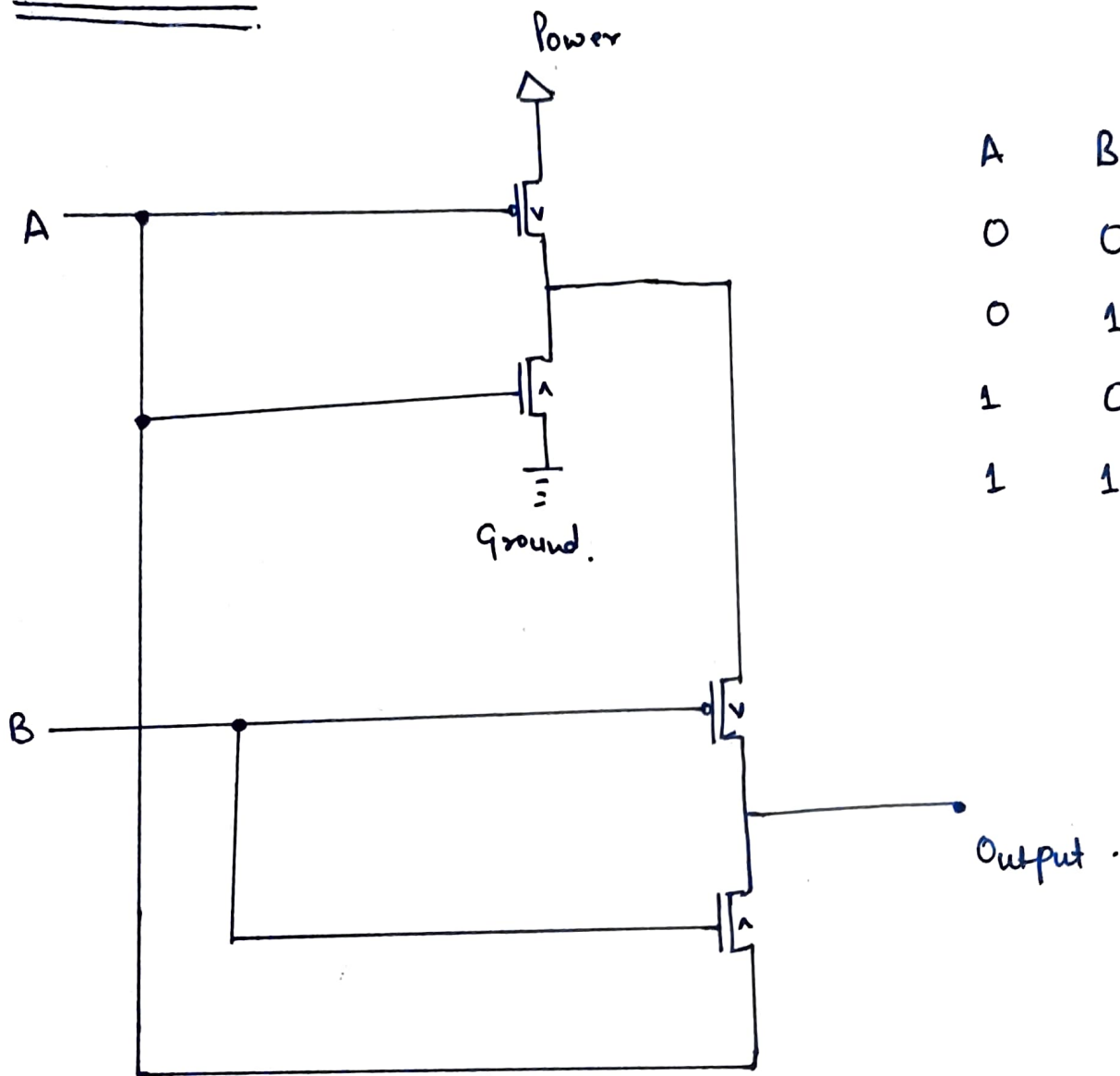
A	B	Output
0	0	0
0	1	1
1	0	1
1	1	0

4. AND GATE



A	B	C	Output
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

6: XNOR GATE



A	B	Output
0	0	1
0	1	0
1	0	0
1	1	1