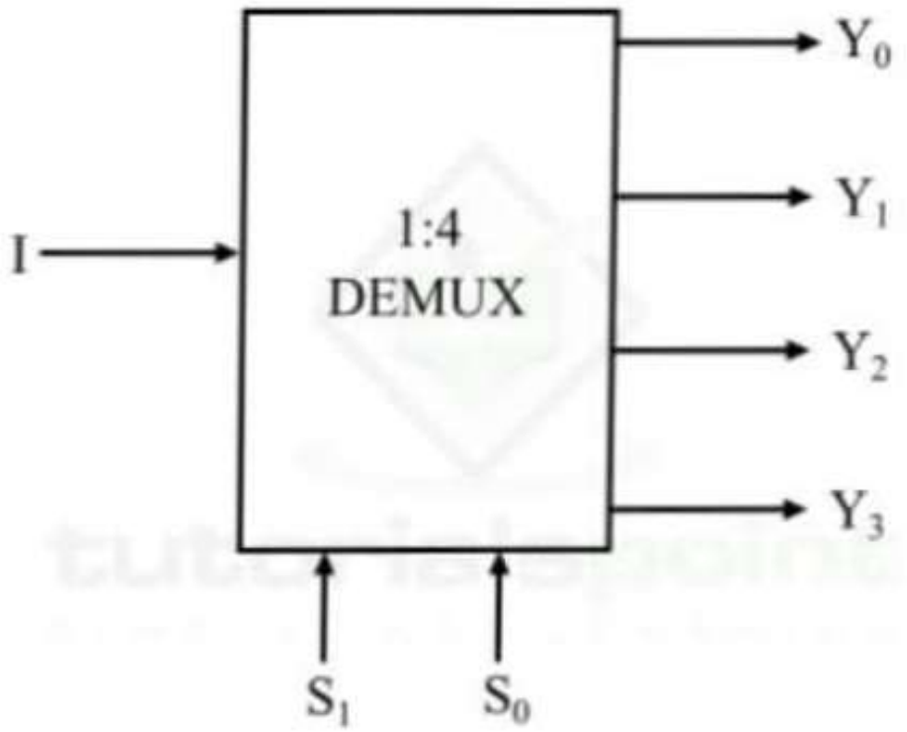
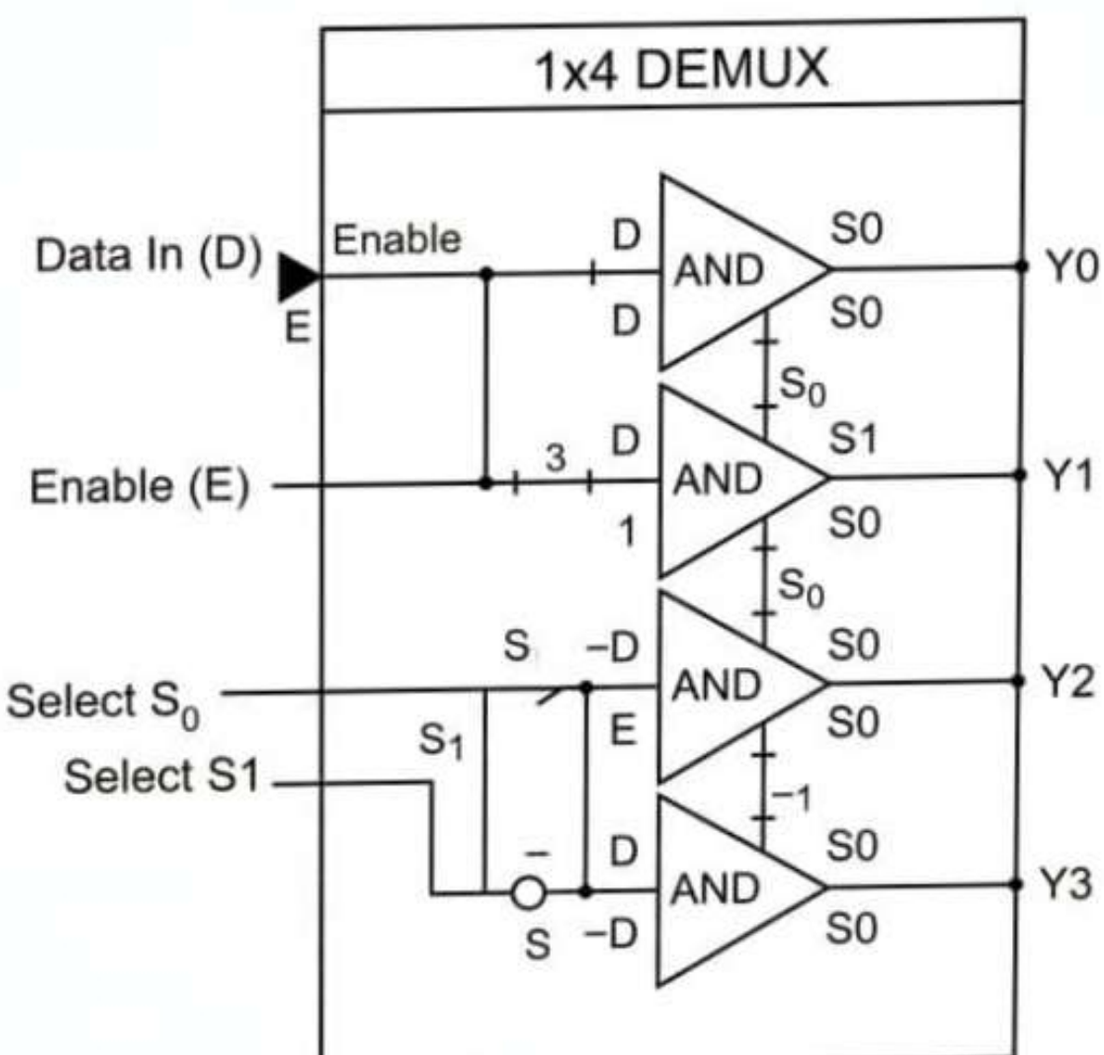
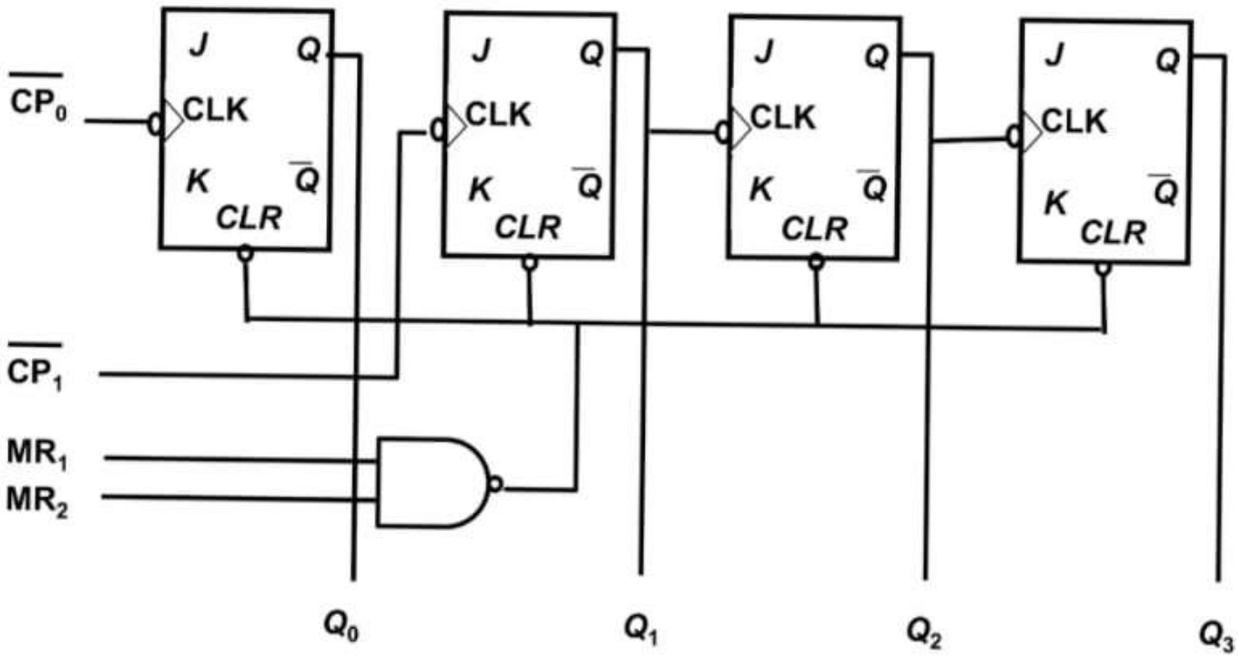


Figure 3 - 1:4 Demultiplexer

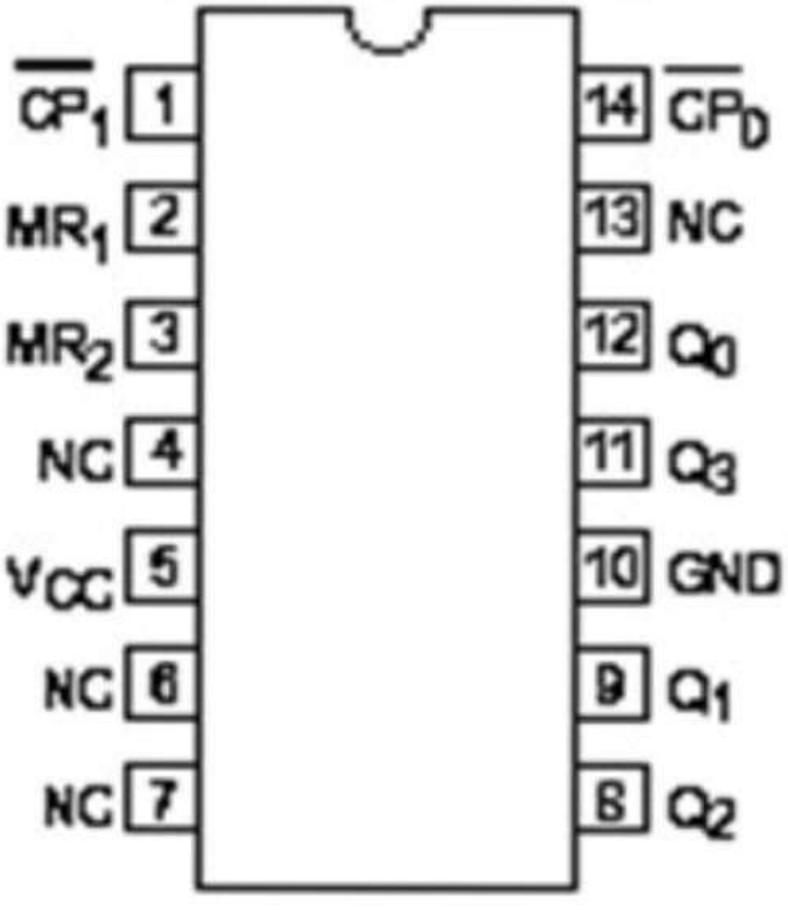


Internal Logic Diagram for 74LS93



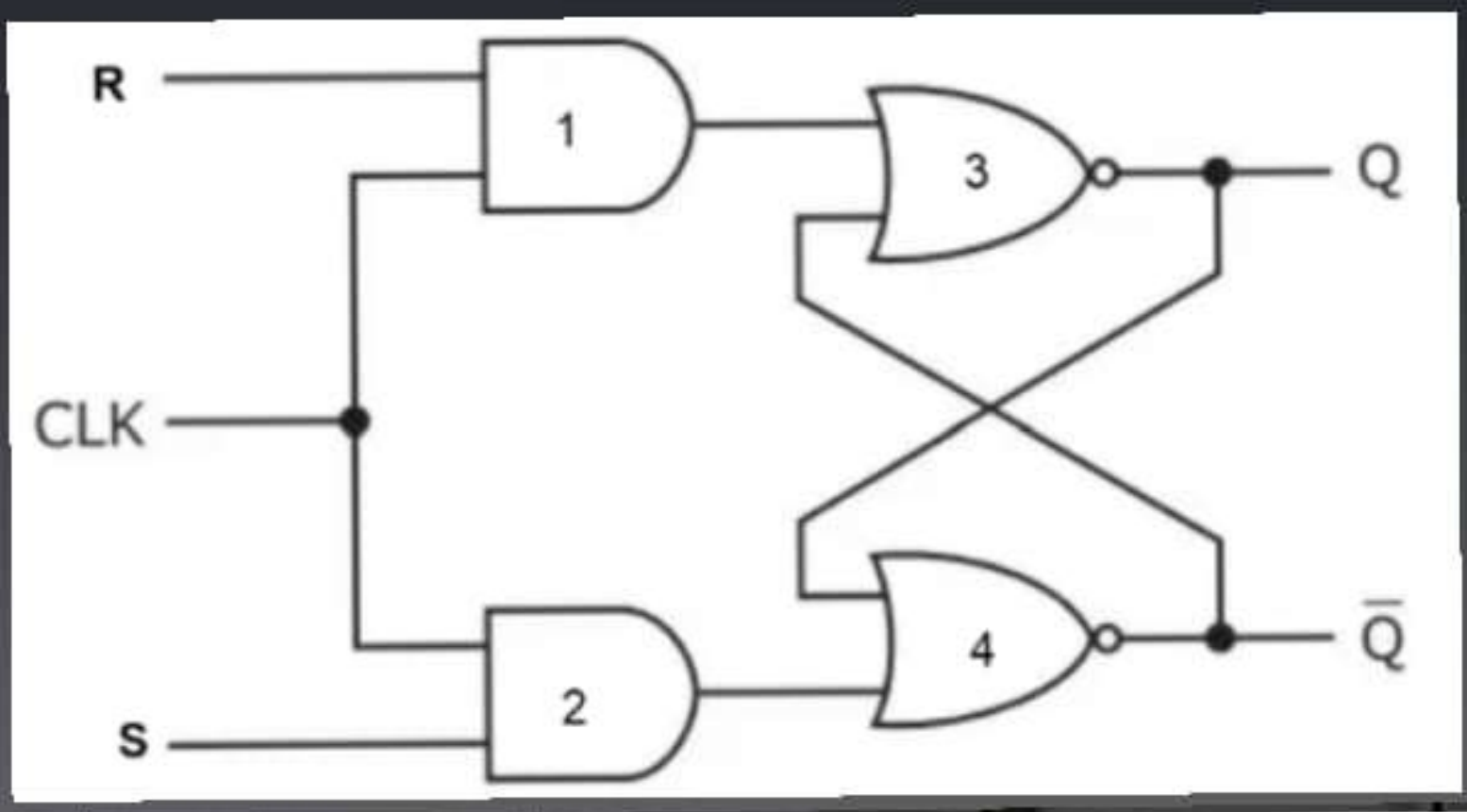
LS92 AN
MODE SE

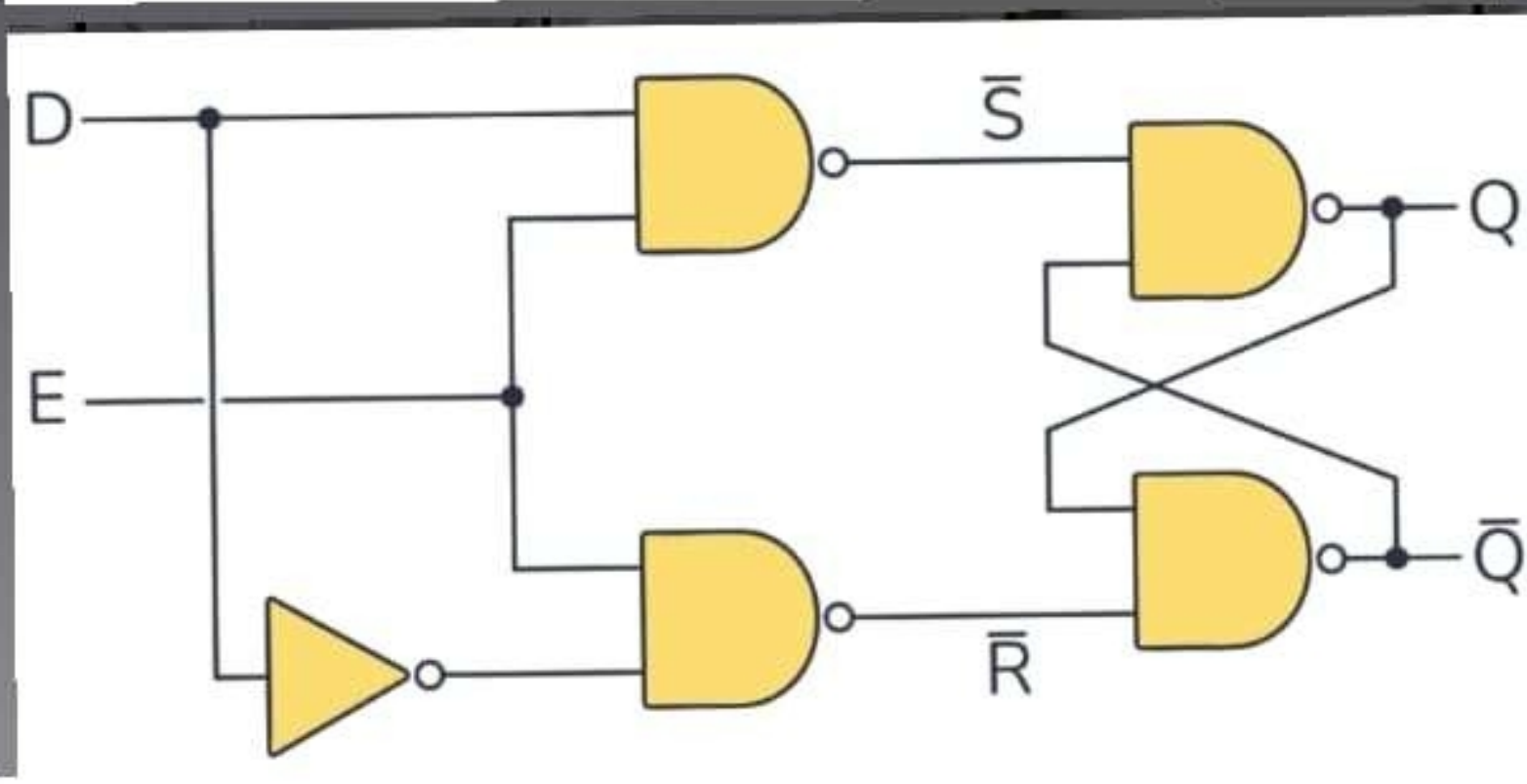
CONNECTION DIAGRAM
DIP (TOP VIEW)

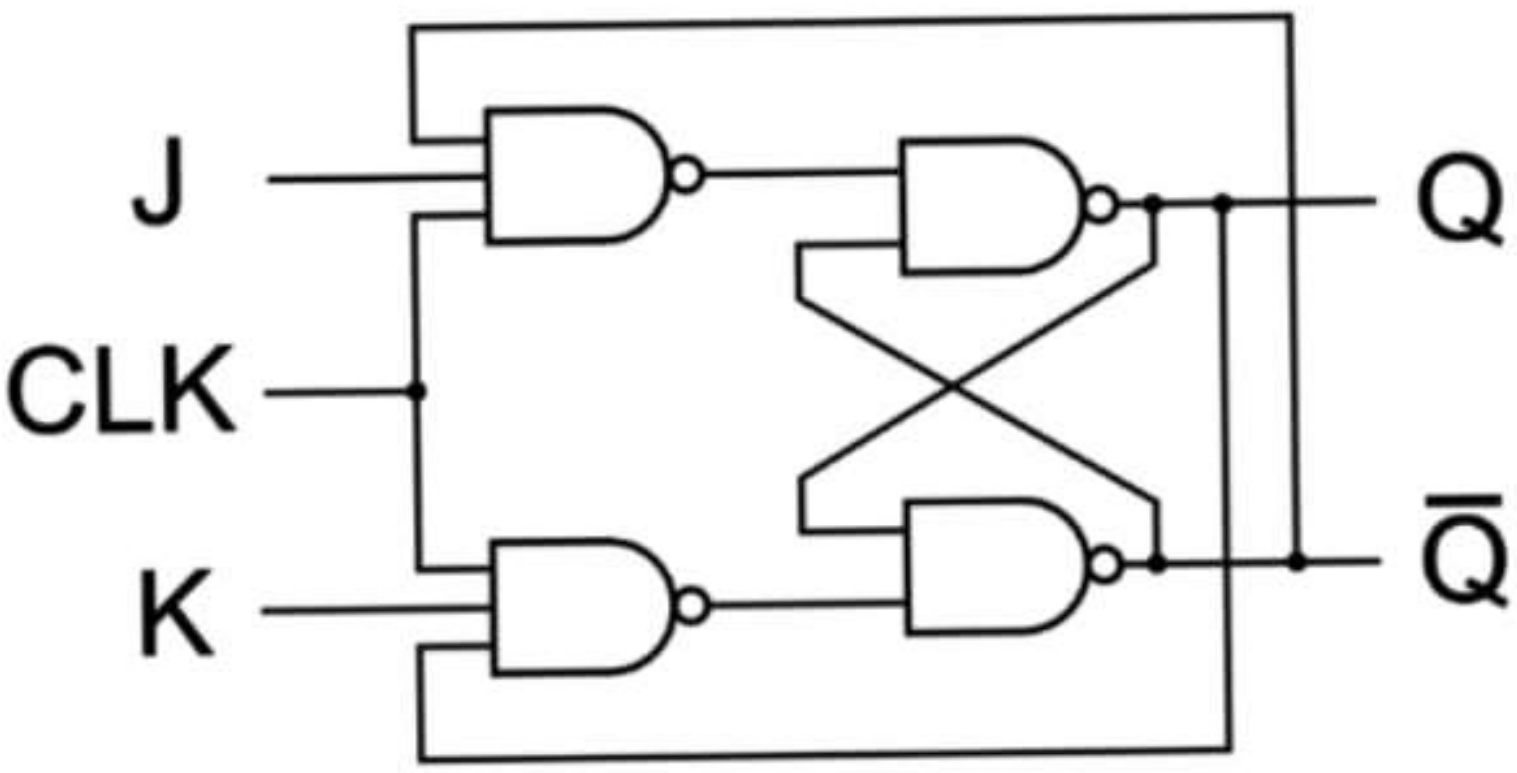


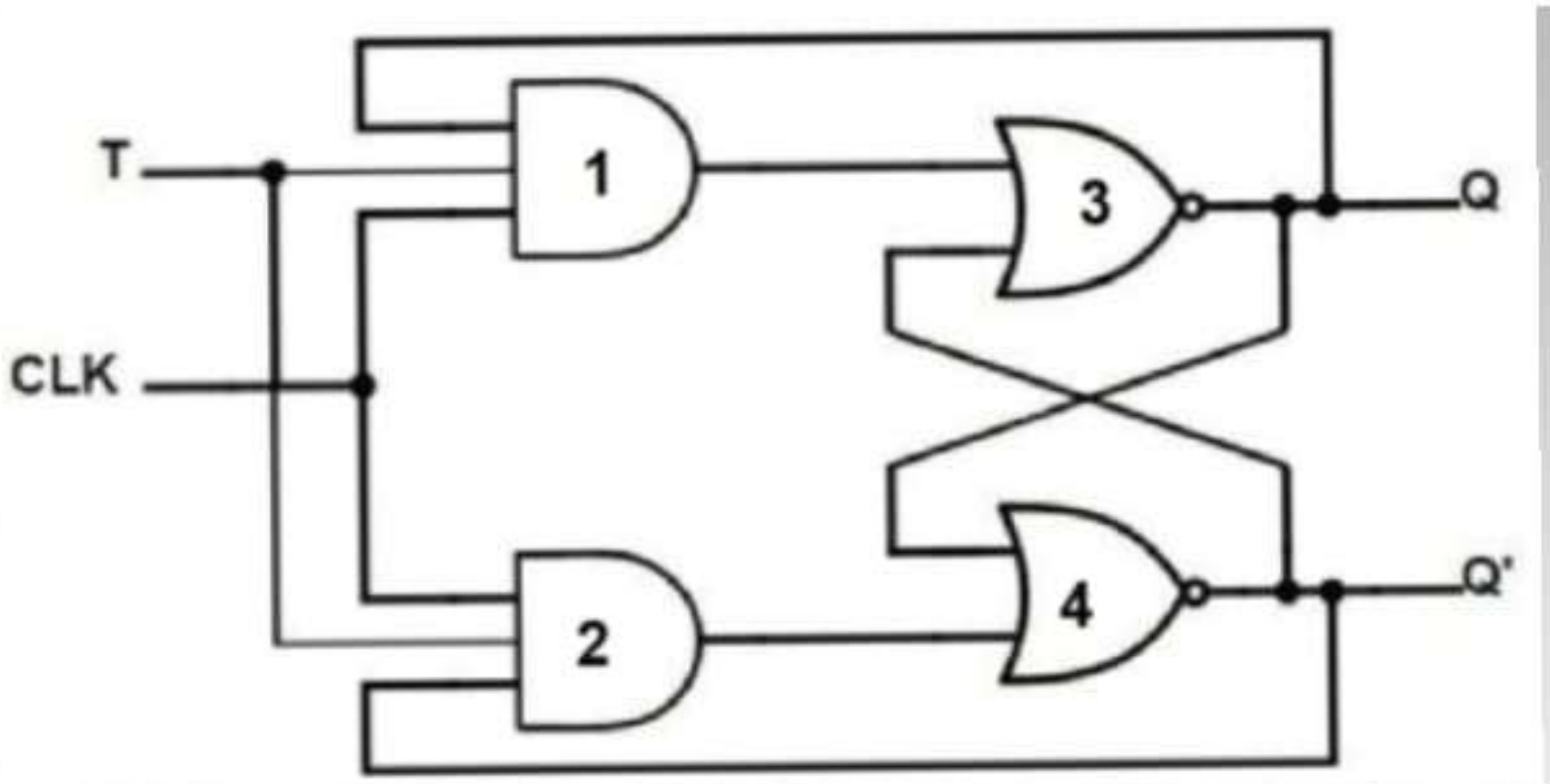
NC = NO INTERNAL CONNECTION

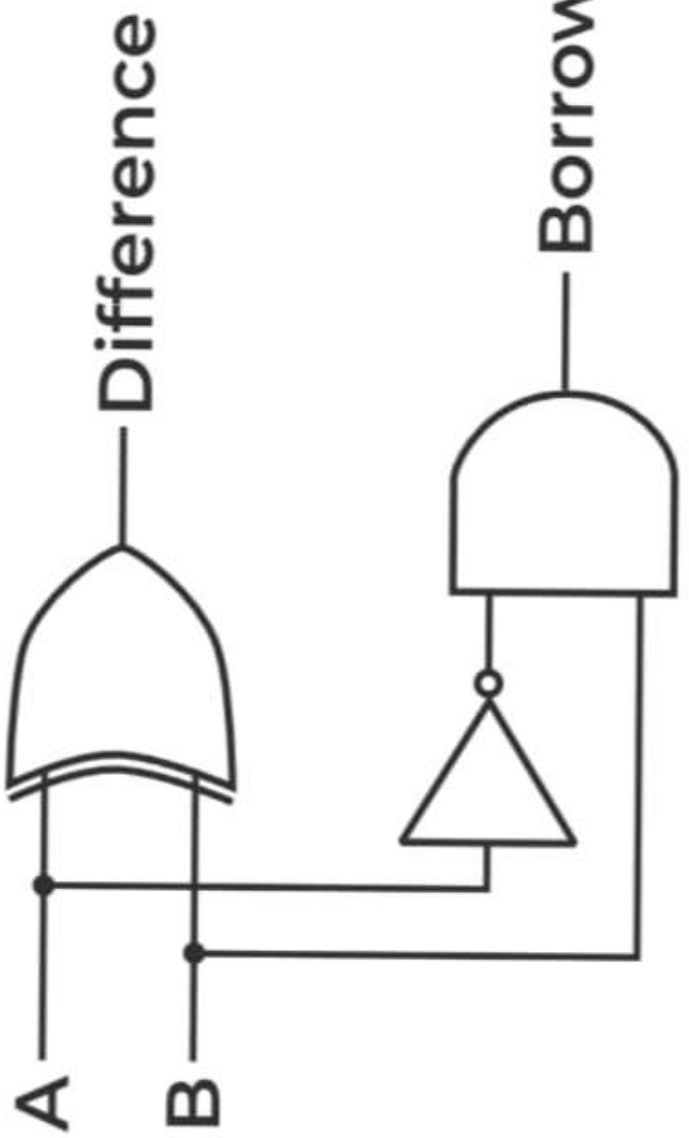
NOTE:
The Flatpak version has the same pinouts (Connection Diagram) as the Dual In-Line Package.

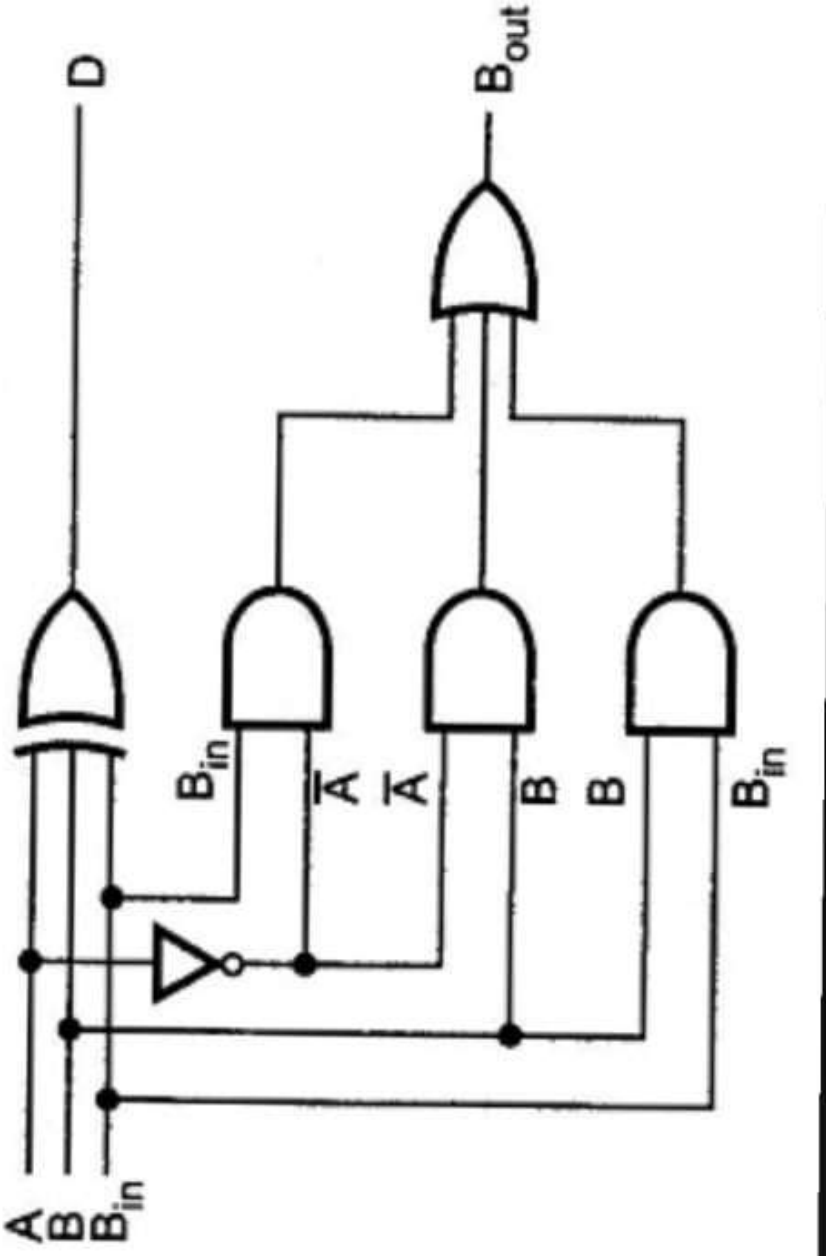

R
1
3
Q
CLK
4
$\bar{Q}$
2
S

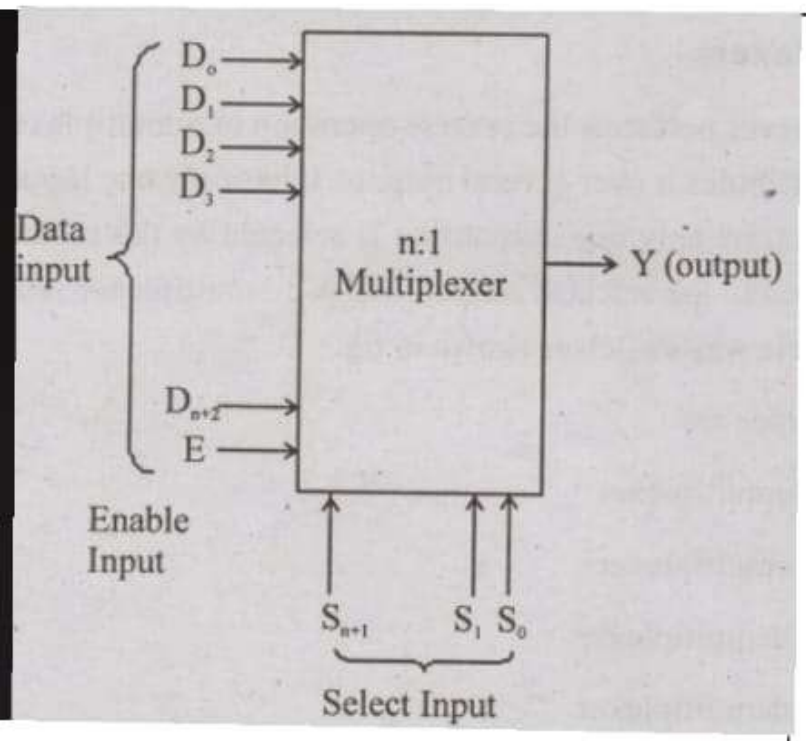

D
$\bar{S}$
Q
E
$\bar{Q}$
$\bar{R}$

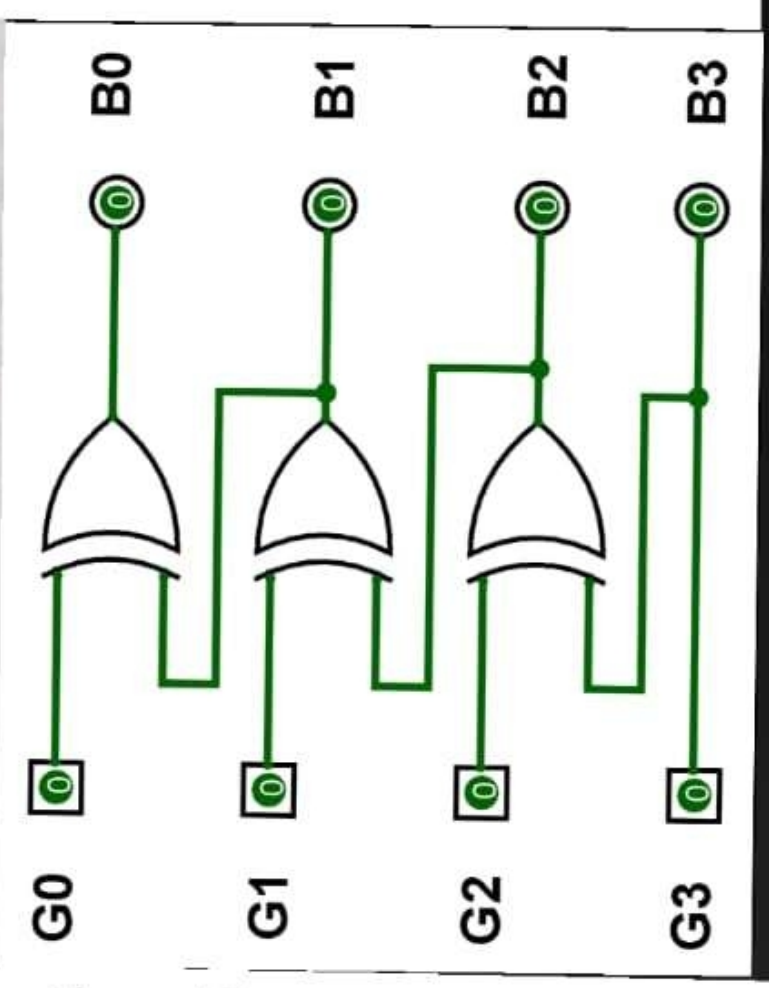

J
Q
CLK
$\bar{Q}$
K


T
1
3
Q
CLK
2
4
Q'









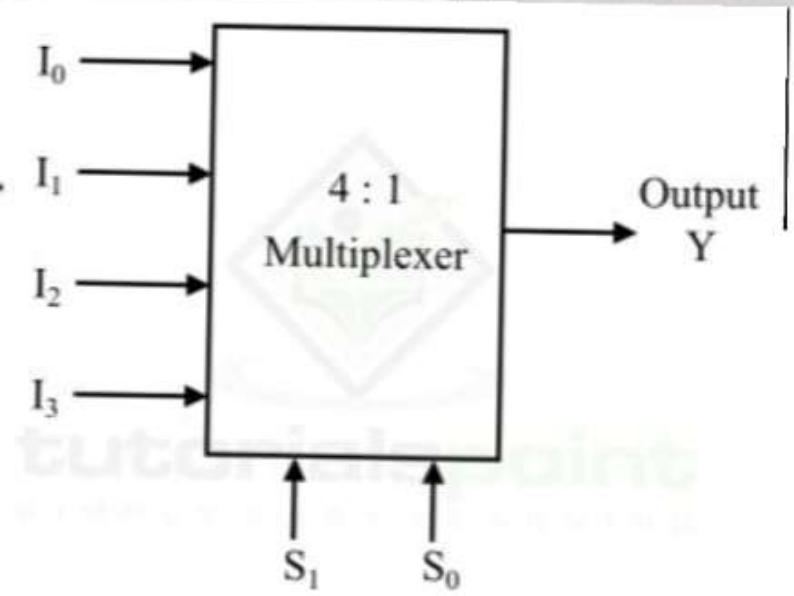
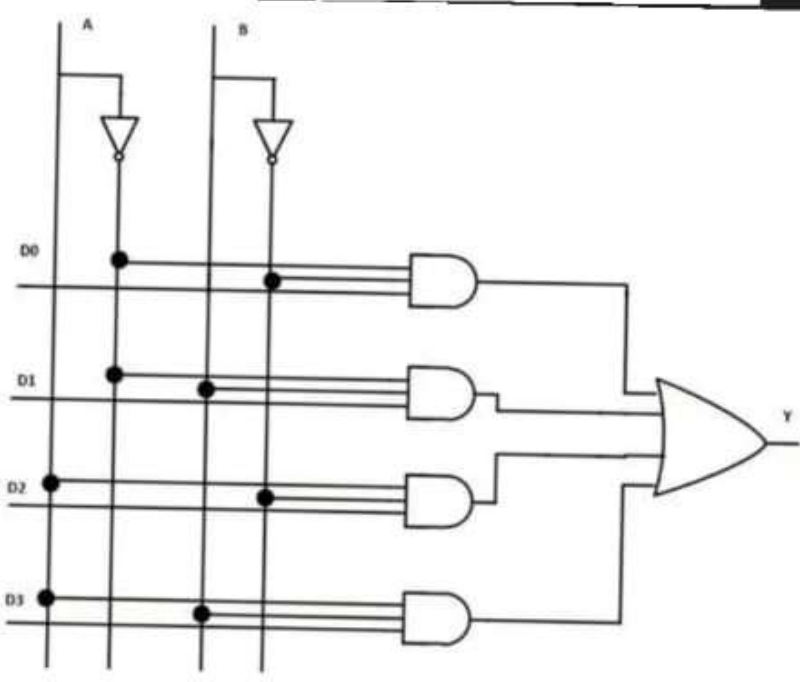
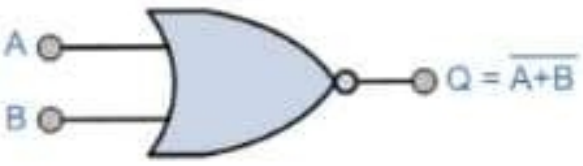


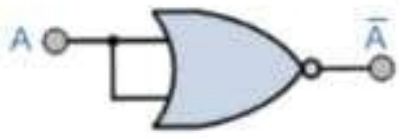
Figure 3 - 4:1 Multiplexer



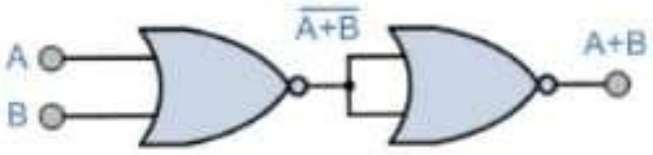
NOR Gate Symbol



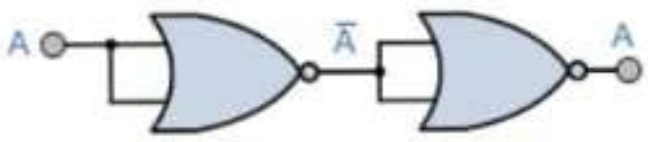
NOT Gate (Inverter)



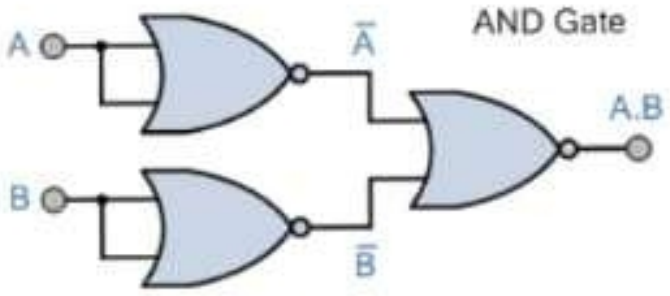
OR Gate



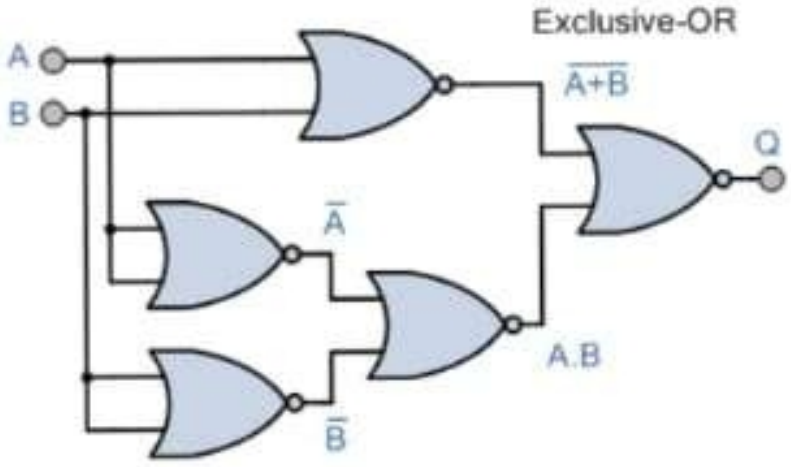
Buffer



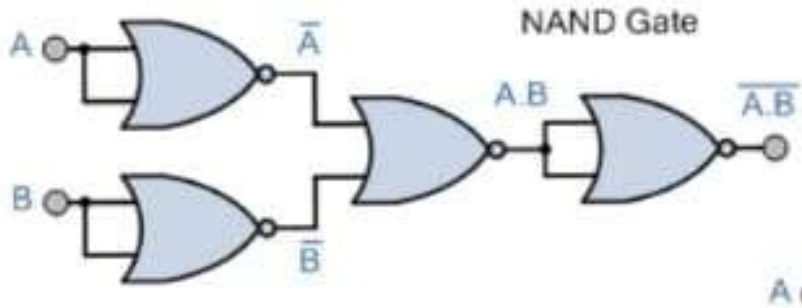
AND Gate



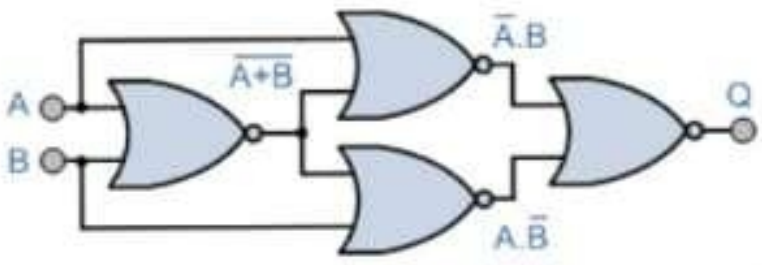
Exclusive-OR



NAND Gate

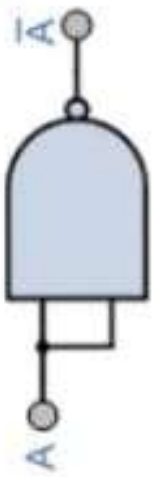


Exclusive-NOR



NAND Gate Symbol

NOT Gate (Inverter)



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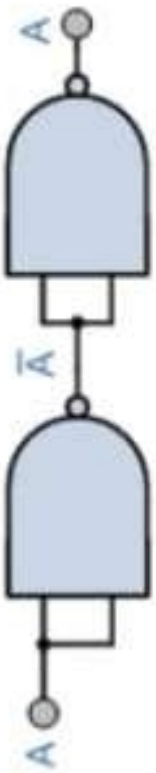
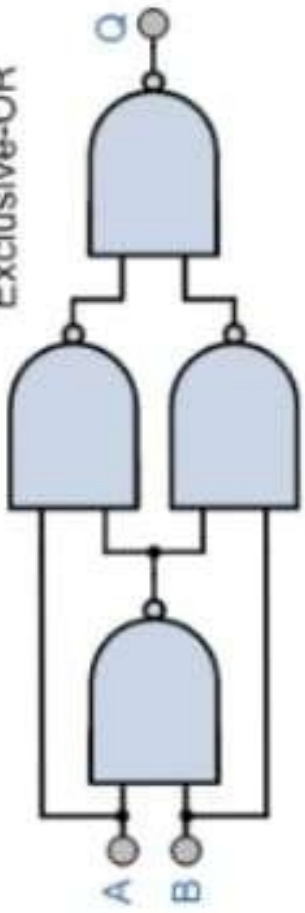
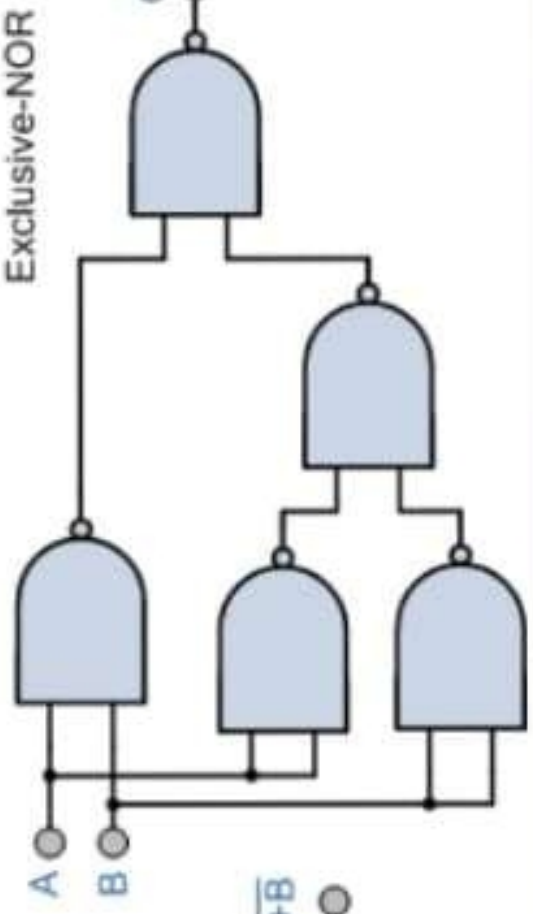


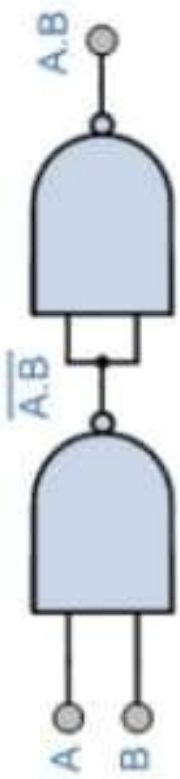
Exclusive-OR



Exclusive-NOR



AND Gate



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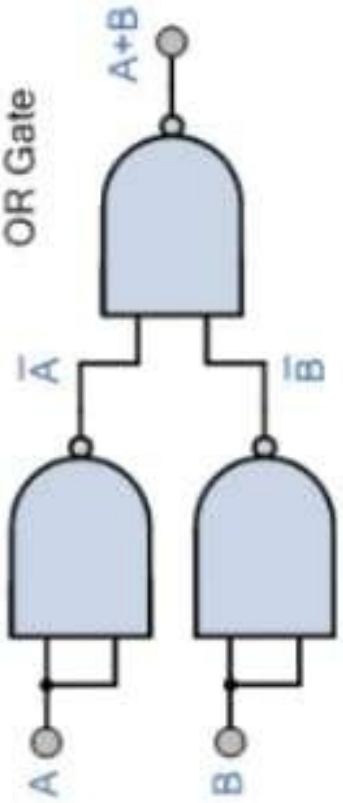
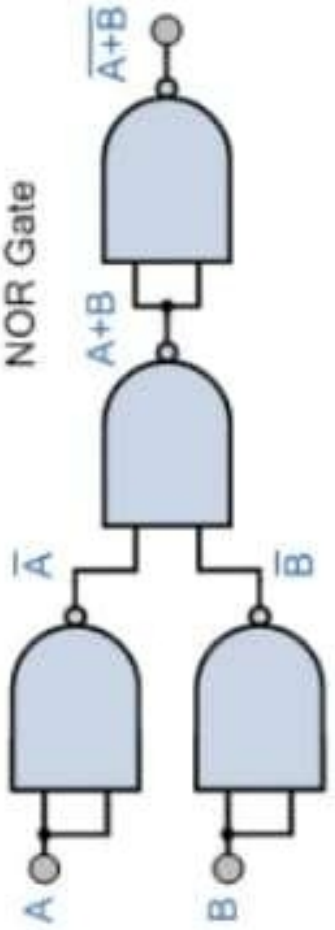
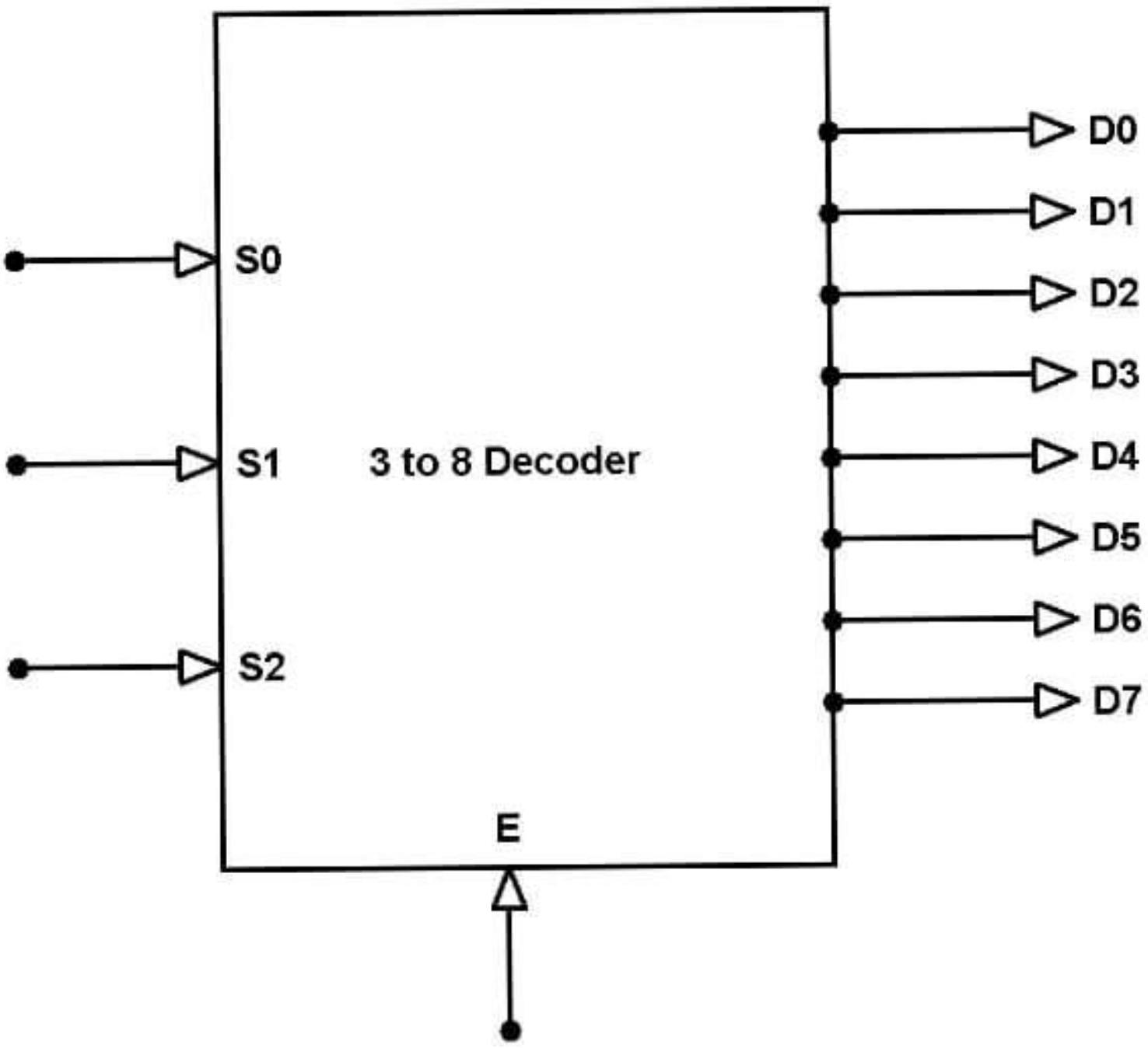


NOR Gate





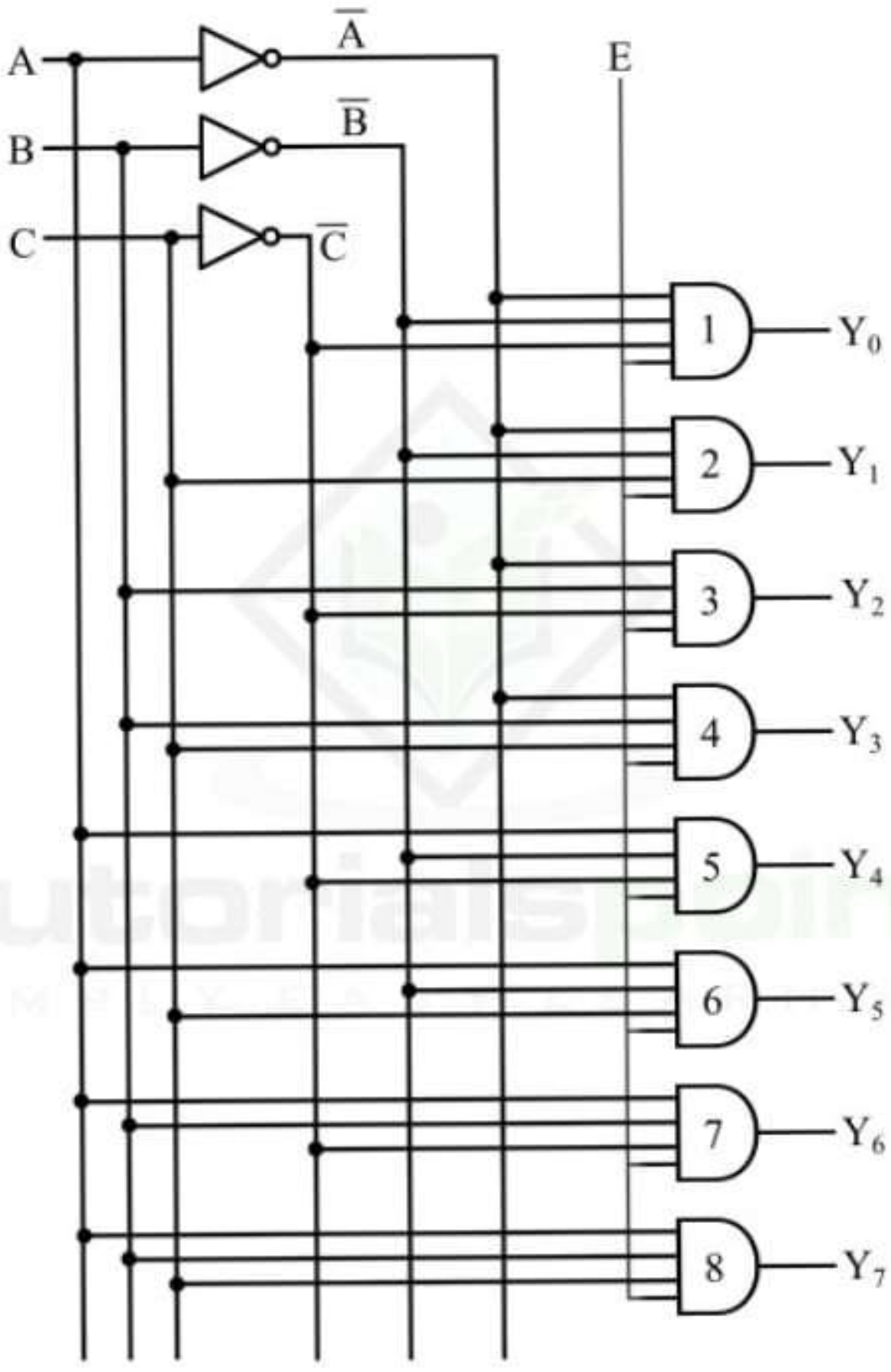
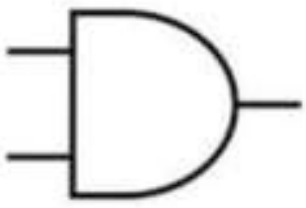


Figure 5 - 3 to 8 Decoder



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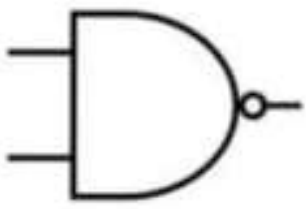
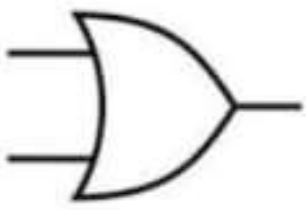


NAND



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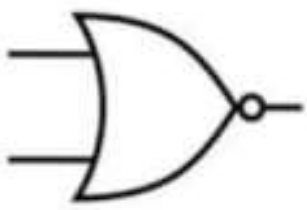

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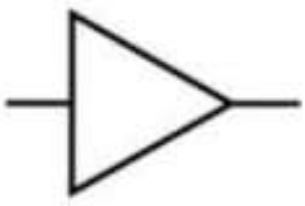

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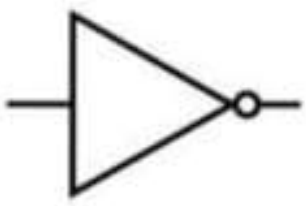

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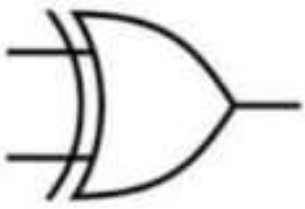
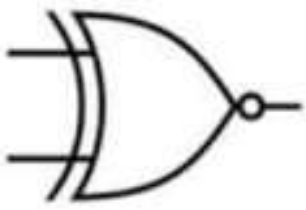
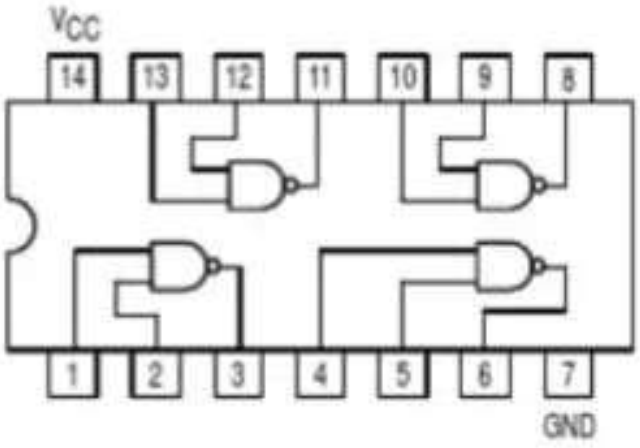


XOR

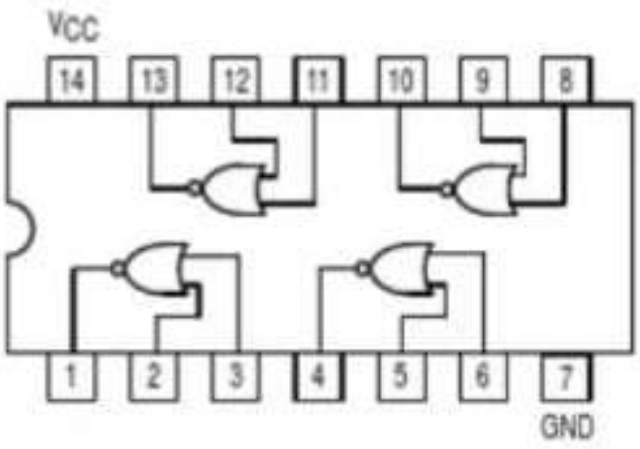


XNOR

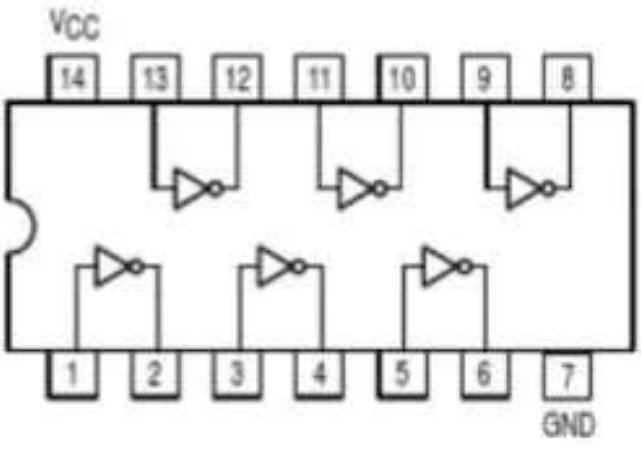
7400-NAND GATE

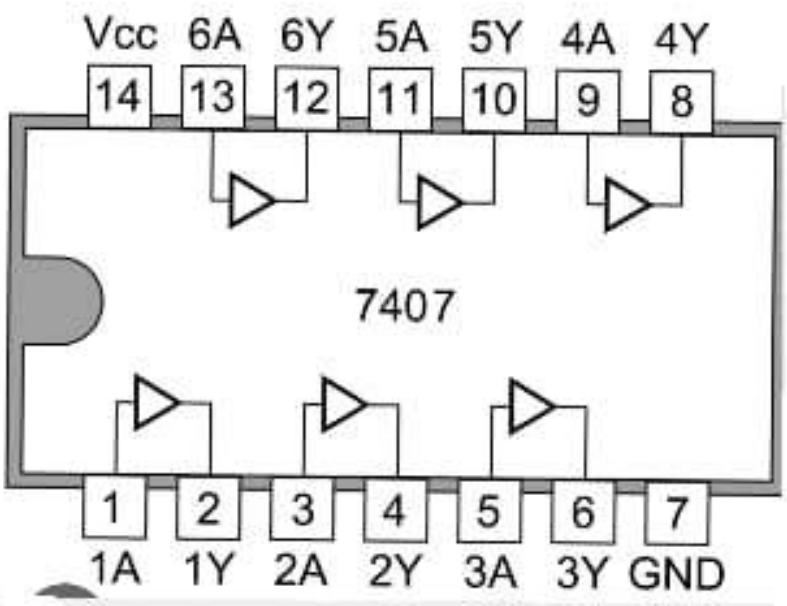


7402-NOR GATE

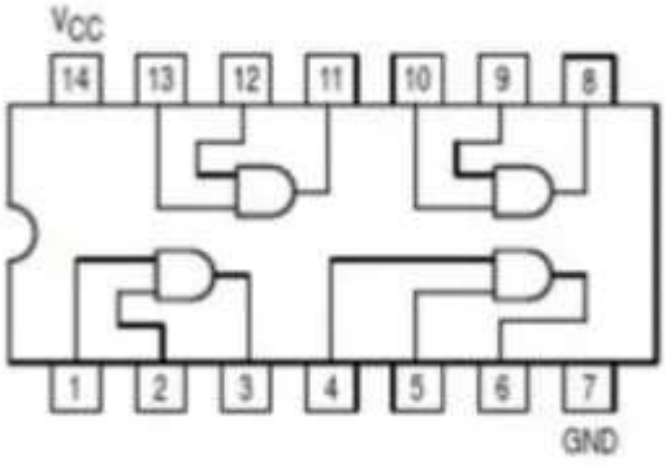


7404-NOT GATE

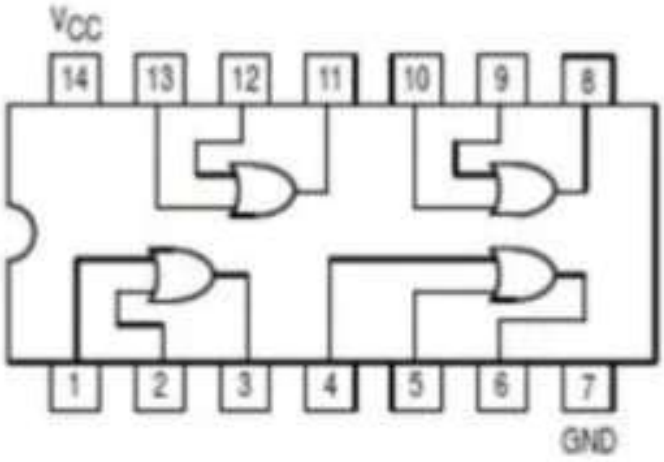




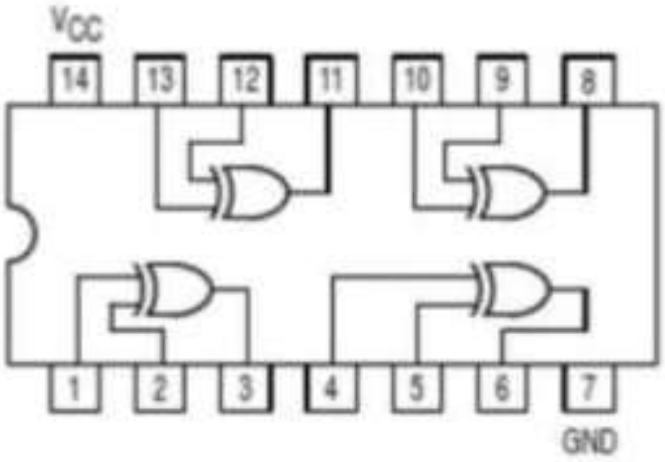
7408-AND GATE

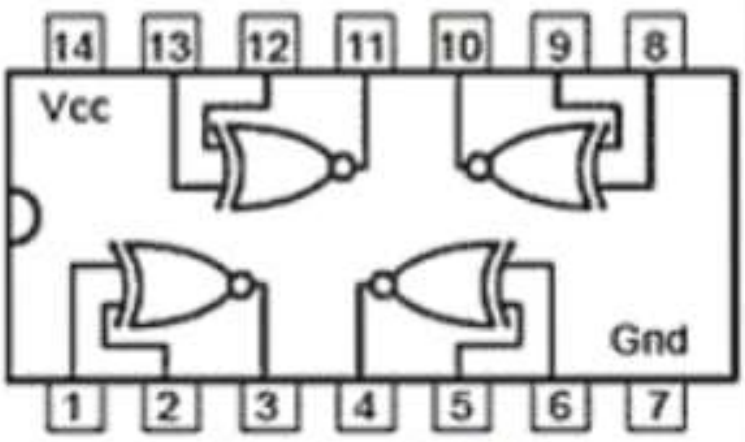


7432-OR GATE

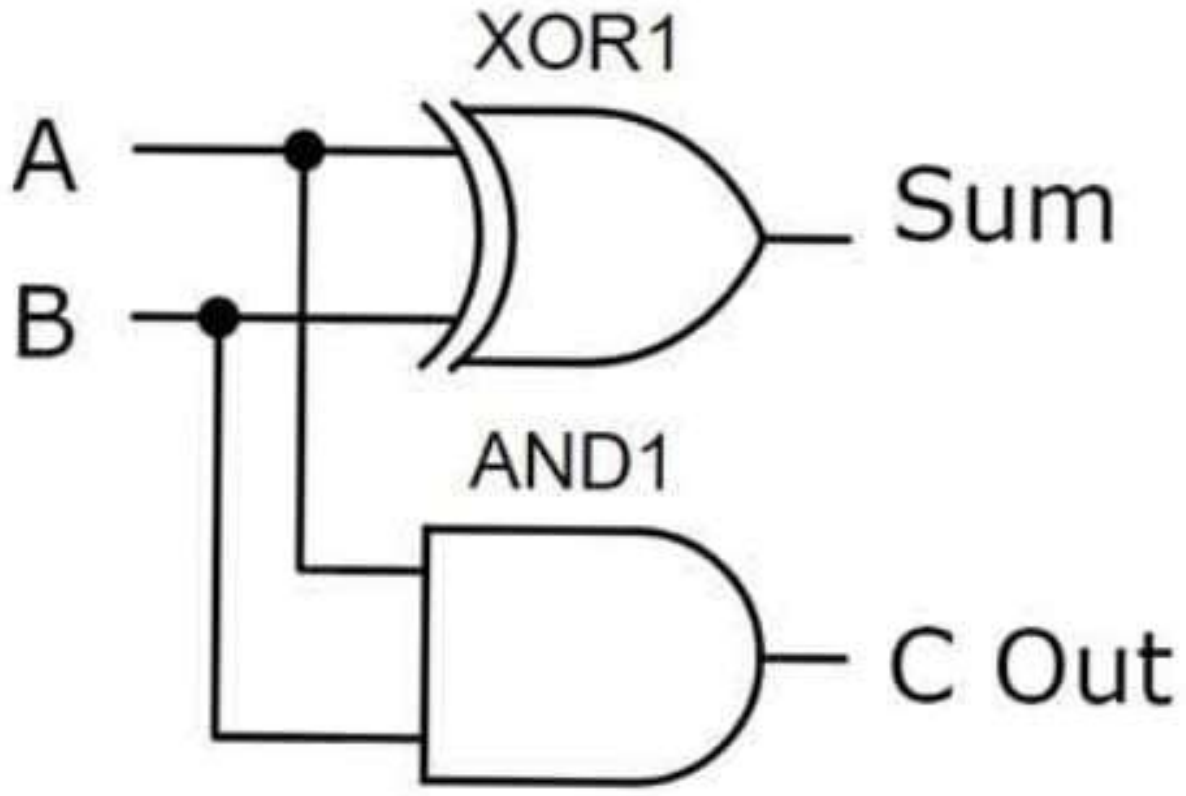


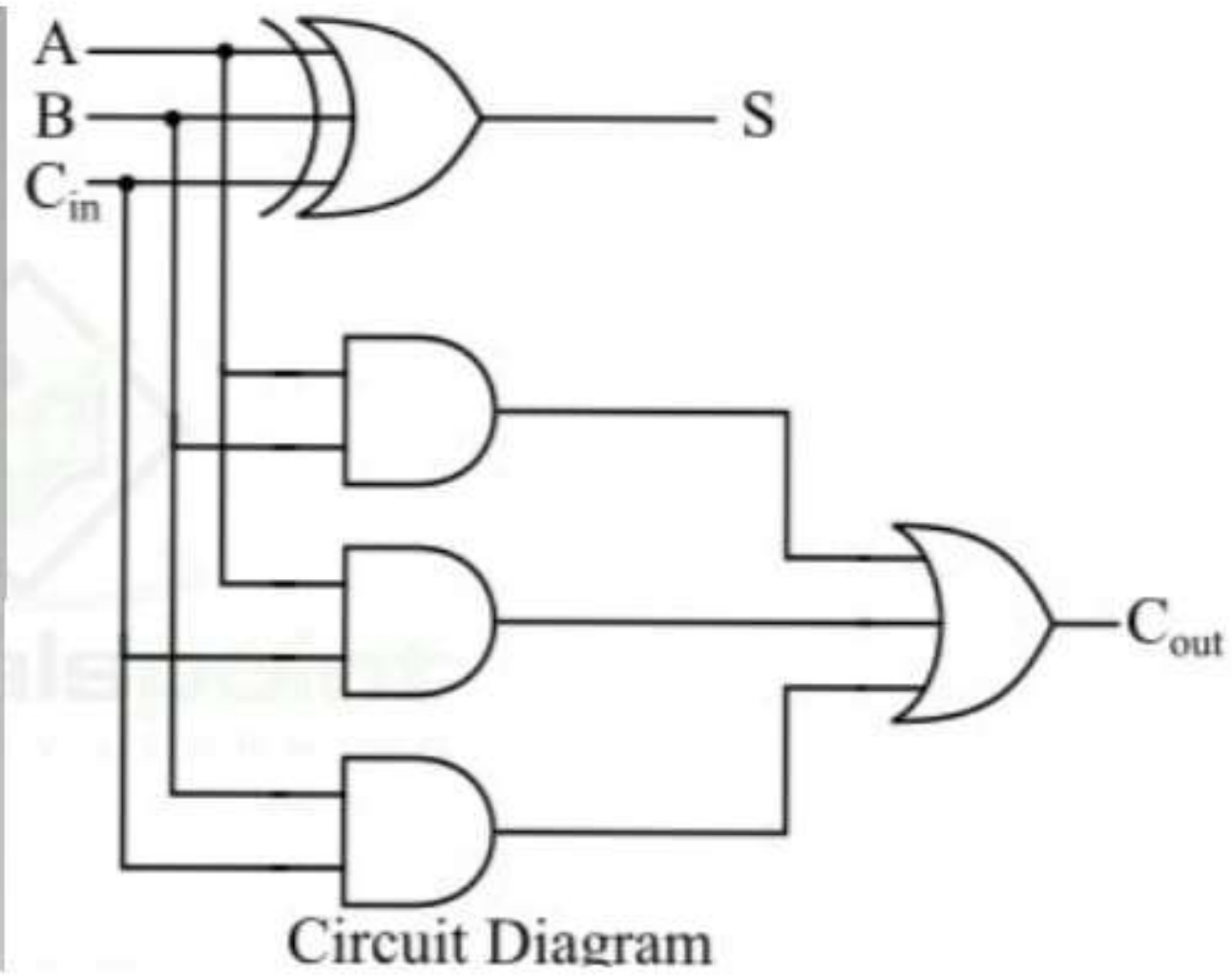
7486-EXCLUSIVE OR



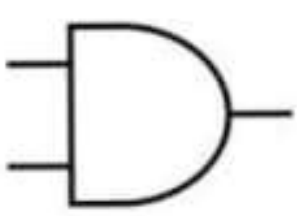


747266 Quad 2 input XNOR Gates

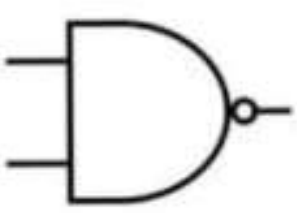




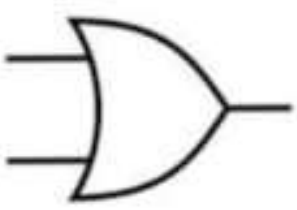
Circuit Diagram



AND



NAND



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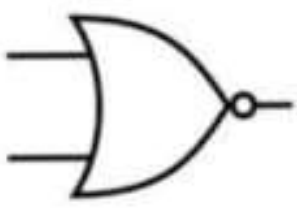

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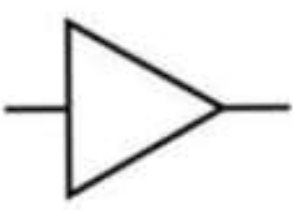
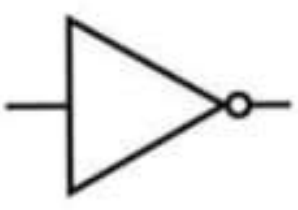


BUFFER



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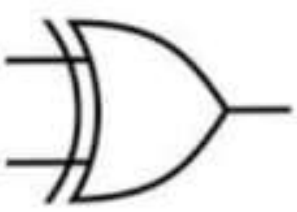
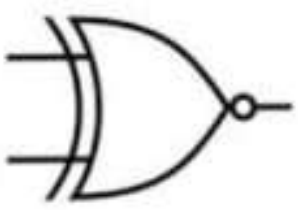
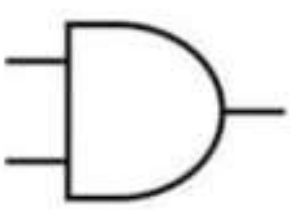


XOR



XNOR



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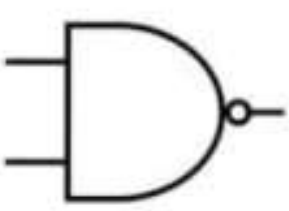
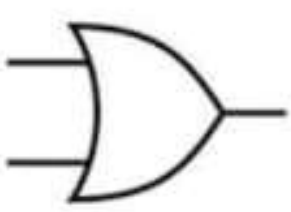
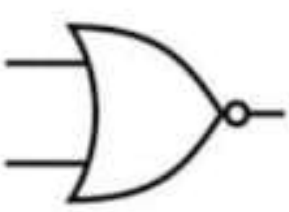


NAND



OR



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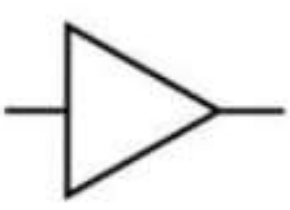

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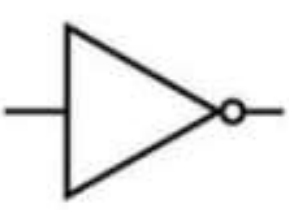

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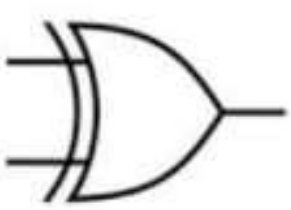

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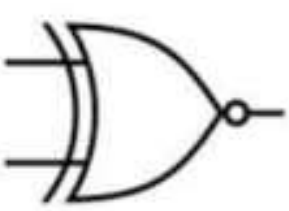

XNOR