

Name \Rightarrow Sarthak Bisht

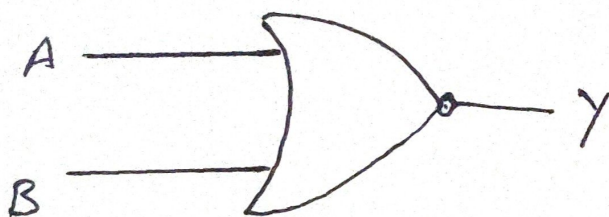
Roll No \Rightarrow 2101187

NOR Gate \Rightarrow is a universal gate

The NOR gate has an output that is normally at logic high and only goes logic low when any of its inputs are at logic high.

The logic NOR gate performs the reverse or complementary operation of the OR gate.

It may have two or more inputs & single output.



TRUTH TABLE

Input		Output
0	0	1
0	1	0
1	0	0
1	1	0

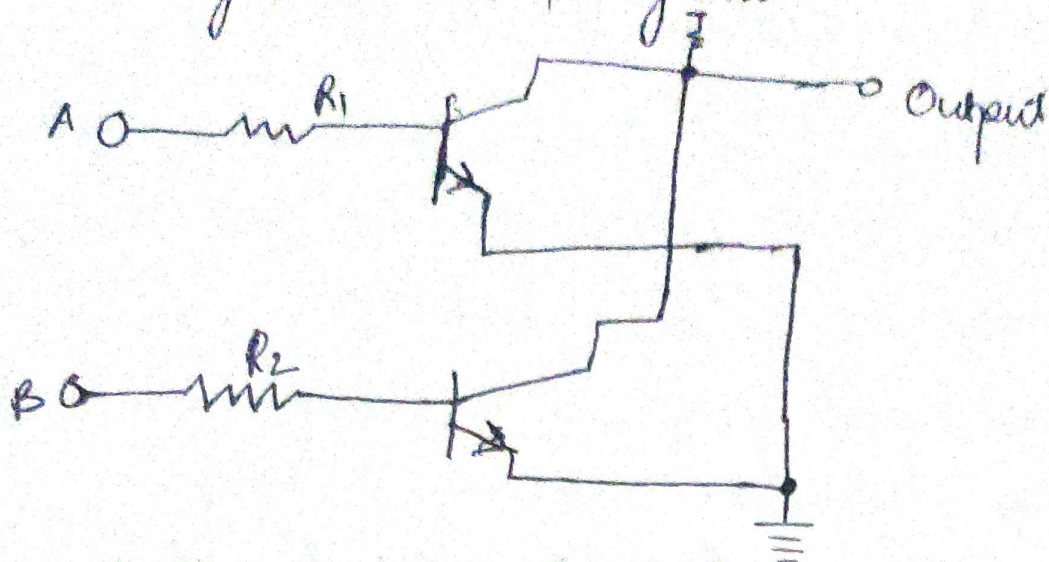
gate boolean expression
$$Y = \overline{A+B} = \overline{A}\overline{B}$$

NOR gate indicates NOT+OR gate hence the output of this logic gate is exactly the reverse to that of an OR gate.

SAR

Name \rightarrow Sathya Bishit Roll no \rightarrow 2101107

NOR gate circuit diagram



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

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