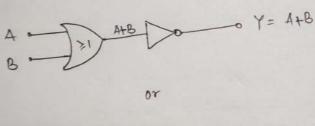
81. NOR Gate

The NOR gots is a universal gots. So, we can also form all the basic gots using NOR gate.

The NOR gate is the combination of the NOT-OR gate. The output state of NOR gate will be high only when all of inputs are low. This gate relims the complement result of OR gate.

(A+B) = Y -> Boolean Expression
Value of Y will be true when all of its inputs are set to D.





Input A B		output	- There are 2=4 possible combinations of inputs.
A	В	T	
0	0	1	
0	0	0	
!	1	0	
In 3-inpu	et NOR	gale has 3 pm	inputs.

All the binomy operations can be realized by only using NOR gate.

We know that the output of OR gate is O only when all inputs of OR gate one O. there is the case of NOR gate, the output is I only when all input are O.

In all other cases, that is for all other combination of inputs the output is O.

The NOR partion can also have any number of individual inputs and commercial available NOR gate 10's are available in 2,3 or and commercial available NOR gate 10's are required, then standard inputs types. If additional inputs are required, then standard NOR gates can be caseaded together to provide more inputs.

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