

# NOR

## NOTATIONS:

$$\neg(x + y)$$

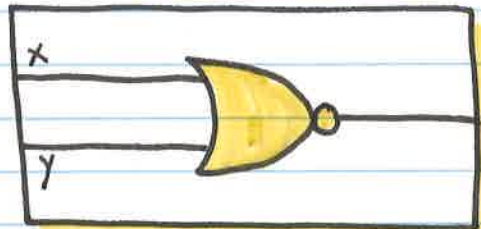
$$x' \wedge y'$$

(nor x y) - racket

x	y	$\overline{x + y}$
0	0	1
0	1	0
1	0	0
1	1	0

## OPERATION:

THE SAME AS NOT OR.  
JUST OR BUT NEGATED.  
TRUE ONLY WHEN BOTH  
VARIABLES ARE FALSE.



## UNIVERSAL GATE:

THANKS TO DEMORGAN'S  
LAW, NOR FUNCTIONS AS  
A UNIVERSAL GATE, WHICH  
MEANS IT CAN BE USED  
TO CREATE ALL OTHER  
GATES.

