

MIL-SYMBOL	LOGIC	Maths. Operator	Equation	Logic / Boolean Expression
	AND Choose both	* Asterisk	$X = (AB)$	$X = 1$, IF (A AND B)
	OR Choose any	+	$X = (A + B)$	$X = 1$, IF (A OR B)
	XOR Choose any but all.	\oplus	$X = (A \oplus B)$ $X = (AB') + (A'B)$ $X = (A + B) \cdot (A' + B')$ We don't use it	$X = 1$, IF (A XOR B)
	NOT Inverse	' Apostrophe	$X = A'$	$X = 1$, IF NOT A
	NAND		$X = (AB)'$	$X = 1$, IF (A NAND B) $X = 1$, IF NOT (A AND B)
	NOR		$X = (A + B)'$	$X = 1$, IF (A NOR B)
<div>Properties: 1. Circuit shortener 2. Universal gates / Building blocks. 3. Storages.</div>				

BUILDING BLOCKS:

NAND LOGIC

NOR LOGIC

