

On the Subject of Logic

Logic is easy, but logic AND bomb defusal might not.

If a red light is above the letter, True becomes False, and vice versa.

The interface shows a logic puzzle grid. At the top right is a red circle indicator. Below it are two rows of logic gates. Each gate consists of a small square box followed by a logical operator (V for OR, ^ for AND) and another small square box. The first row ends with a box containing the letter 'F'. The second row also ends with a box containing the letter 'F'. At the bottom center is a 'SUBMIT' button.

Letter	Statement	Letter	Statement
A	Batt = Ind	N	> 2 Batt Hol
B	Letters > Num in SN	O	Lit and unlit ind
C	IND ind	P	Parallel port
D	FRK ind	Q	=2 ports
E	=1 unlit ind	R	PS/2 port
F	> 1 port type	S	Sum of SN # > 10
G	> 1 batt	T	MSA ind
H	< 2 batt	U	=1 batt hol
I	Odd SN	V	Vowel in SN
J	> 4 batt	W	0 ind
K	=1 lit ind	X	=1 ind
L	> 2 ind	Y	> 5 ports
M	Ports = unique	Z	< 2 ports

Gate	Statement	Gate	Statement
\wedge (AND)	$T \wedge T = T, T \wedge F = F, F \wedge T = F, F \wedge F = F$	\downarrow (NOR)	$T \downarrow T = F, T \downarrow F = F, F \downarrow T = F, F \downarrow F = T$
\vee (OR)	$T \vee T = T, T \vee F = T, F \vee T = T, F \vee F = F$	\leftrightarrow (XNOR)	$T \leftrightarrow T = T, T \leftrightarrow F = F, F \leftrightarrow T = F, F \leftrightarrow F = T$
$\underline{\vee}$ (XOR)	$T \underline{\vee} T = F, T \underline{\vee} F = T, F \underline{\vee} T = T, F \underline{\vee} F = F$	\rightarrow	$T \rightarrow T = T, T \rightarrow F = F, F \rightarrow T = T, F \rightarrow F = T$
$ $ (NAND)	$T T = F, T F = T, F T = T, F F = T$	\leftarrow	$T \leftarrow T = T, T \leftarrow F = T, F \leftarrow T = F, F \leftarrow F = T$