

## On the Subject of Logic

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

- Each row displays 3 letters. Each letter represents a statement.
- On each row, solve GREEN statements first. (They are in the parentheses.)
- Statements are joined with  $\wedge$  symbol (Conjunction, both statements must be true for the result to be true.) and  $\vee$  symbol. (Disjunction, one of the statements must be true for the result to be true.)
- Find the end result of each row, and then use the T/F button to the right to select True/False.
- Press "Submit" when done.

○

☐  $\vee$  ☐

☐  $\wedge$  ☐

☐ F

☐  $\wedge$  ☐

☐  $\vee$  ☐

☐ F

*See Appendix A for indicator identification reference.*

*See Appendix B for battery identification reference.*

*See Appendix C for port identification reference.*

Letter	Statement	Letter	Statement
A	Number of batteries = number of indicators	N	More than 2 battery holders
B	Serial number has more letters than digits	O	Has both lit and unlit indicators
C	Has IND indicator	P	Has parallel port
D	Has FRK indicator	Q	Exactly 2 ports
E	Exactly 1 unlit indicator	R	Has PS/2 port
F	More than 1 port type	S	Sum of digits in serial number > 10
G	2 batteries or more	T	Has MSA indicator
H	Less than 2 batteries	U	Exactly 1 battery holder
I	Last digit of serial number is odd	V	Serial number contains vowels
J	More than 4 batteries	W	No indicators
K	Exactly 1 lit indicator	X	Exactly 1 indicator
L	More than 2 indicators	Y	More than 5 ports
M	All ports are unique	Z	Less than 2 ports