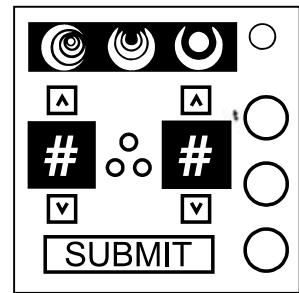


On the Subject of Not Symbolic Coordinates

These symbols are probably a reference, so if it doesn't make sense to you that's your fault.



- The module will display three symbols and six LEDs, three of which are coloured.
- Each symbol represents the numeric value corresponding to its position in the display and the truth values corresponding to the other two, in order.
- Of the three LEDs on the right side of the module:
 - If the top LED is lit, negate the first truth value of all three pairs.
 - If the middle LED is lit, negate the second truth value of all three pairs.
- The colours of the three LEDs correspond to pairs of truth values. To find which colour corresponds to which pair, start with the table below:
 - Shift each colour one space to the right for each battery on the bomb.
 - If a TRN indicator is present, reverse the order of the colours.

FF	FT	TF	TT
Green	Yellow	Aqua	Purple

- The pairs of truth values indicated by the colours of the LEDs are the desired outputs of two sets of logical operators whose inputs are the pairs of truth values received from the symbols.

Within each set of operators:

- Operators 1 and 2 of the left set apply respectively to the first and second truth values of each pair from the first and second displayed symbols, outputting the respective truth values of the colour of the left LED.
- Operators 2 and 3 of the right set apply respectively to the first and second truth values of each pair from the second and third displayed values, outputting the respective truth values of colour of the right LED.
- Operator 1 of the left set and operator 3 of the right set apply to the first and second truth values of each pair from the first and third displayed symbols, outputting the colour of the middle LED:
 - If a CLR indicator is present, apply operator 3 to the first truth values and operator 1 to the second.
Otherwise, apply operator 1 to the first truth values and operator 3 to the second.
 - If the bottom LED is lit, operator 3 outputs the first truth value and operator 1 outputs the second.
Otherwise, operator 1 outputs the first truth value and operator 3 outputs the second.
- Scroll through the two displays to find and submit the pair of operator sets that output the three colours.

Symbol Values

If at any point a number exceeds 99, take only its last two digits.

Symbol	Numeric Values	Truth Values
	<ol style="list-style-type: none"> The position of the middle symbol in this manual, from the top. Twice the hour, in 24h time, of the time of activation. Six times the number of port plates. 	<ol style="list-style-type: none"> The sum of the three values is even. The first value is greater than the third. Any two values are equal.
	<ol style="list-style-type: none"> The alphabetic position of the earliest occurring serial number letter in the alphabet. Five times the number of indicator vowels. Six times the number of primes less than the sum of the numbers in the serial number. 	<ol style="list-style-type: none"> The sum of the three values is a multiple of 7 or 13. No sum of a pair of values has 8 or 9 as a digit. All three values have the same parity.
	<ol style="list-style-type: none"> The largest number in the serial number minus the smallest. The number of lit indicators times the number of unlit indicators. Four times the day of the week at the time of activation. 	<ol style="list-style-type: none"> The sum of any pair of values is prime. The sum of the three values is one more than a multiple of 3. Exactly one of the values is even.
	<ol style="list-style-type: none"> The number of indicators. The sum of the digits of the number of modules. Five times the number of port types. 	<ol style="list-style-type: none"> No more than one value is less than 20. Both 1 and 2 occur as digits across the sums of pairs of values. The sum of the three values is prime.
	<ol style="list-style-type: none"> The number of batteries. The number of indicator letters that occur after M alphabetically. The number of ports plus the last serial digit. 	<ol style="list-style-type: none"> Any sum of a pair of values is 10 or less. Any value is 0 or 1. Both digits of the sum of the three values are odd.
	<ol style="list-style-type: none"> Seven times the number of lit indicators. The number of port plates plus the smallest serial digit. Six times the number of D batteries. 	<ol style="list-style-type: none"> The sum of the three values is 2 or 4 more than a multiple of 5. The three values have different remainders when divided by 3. The sum of the three values is 50 or more.
	<ol style="list-style-type: none"> The day of the month at the time of activation. The alphabetic position of the first letter of the module that is furthest in the alphabet. The alphabetic position of the second letter in the serial number. 	<ol style="list-style-type: none"> The digits of the sum of the three values do not add up to a number from 9 to 13. Any sum of a pair of values is a multiple of 9. The sum of the second and third values is less than twice the first.
	<ol style="list-style-type: none"> The smallest digit in the serial number plus 10. Twice the alphabetic position of the earliest occurring letter in the serial number. The number of distinct indicator letters. 	<ol style="list-style-type: none"> The second value is greater than the first. The digits of the sum of the three values are within 2 of each other. Any sum of a pair of values is prime.

Symbol	Numeric Values	Truth Values
	<ol style="list-style-type: none"> The number of ports. The number of indicator letters that occur before N alphabetically. The number of unlit indicators plus the number of battery holders. 	<ol style="list-style-type: none"> The sum of the three values is 1, 3, or 6 more than a multiple of 7. The range of the three values is less than 10. All three values are composite.
	<ol style="list-style-type: none"> Nine times the number of unlit indicators. The average alphabetic position of a letter in the serial number, rounded down. Fifteen. 	<ol style="list-style-type: none"> At least two values have odd digital roots. No value is a multiple of 3. 3 or 6 occur as a digit in the sum of the three values.
	<ol style="list-style-type: none"> Seven times the number of serial number consonants. The sum of the positions of the other two symbols in this manual, from the top. The sum of the primes that are less than or equal to the largest serial number digit. 	<ol style="list-style-type: none"> The sum of the three values has an odd digital root. Any value is 30 or more. The sum of the three values is divisible by at least one of the values.
	<ol style="list-style-type: none"> Three times the number of battery holders. One fifth of the number of modules on the bomb, rounded down. The hour of the day, plus the month of the year, of the time of activation. 	<ol style="list-style-type: none"> The sum of the three values is one more than a multiple of 4. No sum of a pair of values is a multiple of 4. The three values have different remainders when divided by 7.
	<ol style="list-style-type: none"> The sum of the digits in the serial number. The alphabetic position of the first letter in the serial number. The alphabetic position of the earliest occurring indicator consonant in the alphabet. 	<ol style="list-style-type: none"> Exactly one of the values is odd. The sum of the first and third values is less than twice the second. The digits of the sum of the three values have different parities.
	<ol style="list-style-type: none"> The alphabetic position of the latest occurring letter in the serial number in the alphabet. The sum of the digits of the product of the nonzero digits in the serial number. The number of lit indicators plus the number of port plates. 	<ol style="list-style-type: none"> The second value is greater than the third. The sum of the three values is odd. No sum of a pair of values has 1 as a digit.
	<ol style="list-style-type: none"> The remainder of the number of modules when divided by 25. The alphabetic position of the indicator letter that occurs furthest in the alphabet. Five times the number of pairs of AA batteries. 	<ol style="list-style-type: none"> Exactly 4 primes are within the range of the three values. The digits of the sum of the three values does not add up to a number from 7 to 11. There are more even values than odd values.
	<ol style="list-style-type: none"> Nine times the number of serial number vowels. Three times the month of the year at the time of activation. Twenty one. 	<ol style="list-style-type: none"> No digit in the three values occurs more than once. The sum of the digits of the sum of any pair of values is a multiple of 5. The sum of the three values is a multiple of 6.

Symbol	Numeric Values	Truth Values
	1. The number of batteries plus the number of indicators with no vowels. 2. Three times the number of ports. 3. The last digit of the serial number.	1. No value is greater than 20. 2. The sum of the three values is composite. 3. The third value is greater than the second.
	1. The number of unlit indicators plus the number of port plates. 2. The average of the serial number digits, rounded down. 3. The number of indicator consonants.	1. At most one prime is within the range of the sums of each pair of values. 2. Exactly one of the values is even. 3. The digits of the sum of the three values have the same parity.
	1. The largest serial number digit. 2. The alphabetic position of the latest lit indicator letter in the alphabet. 3. The number of port plates plus the number of battery holders.	1. The sum of the first and second values is greater than twice the third. 2. The range of the three values is 25 or more. 3. Either digit of the sum of the three values is 2 or 9.
	1. The number of lit indicators plus the number of battery holders. 2. The first digit of the serial number. 3. The position of the middle symbol in this manual, from the bottom.	1. The range of the three values is 5 or less. 2. The difference between the digits of the sum of the three values is 5 or more. 3. Any digit in the three values occurs three or more times.

Operator Sets

The operators A and B output the truth values of the respective first and second inputs, ignoring the other input entirely.

Set	Op. 1	Op. 2	Op. 3
0	XNOR	NIMP	OR
1	XOR	IMP	NA
2	IMPBY	NAND	B
3	NB	XNOR	OR
4	NAND	NB	IMPBY
5	XOR	NIMP	A
6	B	XOR	NOR
7	NA	AND	XNOR
8	NAND	XNOR	IMPBY
9	NIMPBY	IMP	B

Set	Op. 1	Op. 2	Op. 3
A	A	XOR	AND
B	AND	NA	IMPBY
C	NIMPBY	B	NA
D	XNOR	NAND	NIMP
E	IMP	A	AND
F	XOR	NOR	NIMP
G	NB	AND	XOR
H	A	NB	NOR
I	NOR	IMPBY	IMP
J	OR	AND	NAND