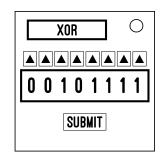
## On the Subject of Bitwise Operators

Nobody's favorite kind of math. Who even likes math, anyway?

- There are 2 screens on the module:
  - 1. Bitwise operator (AND, OR, XOR, NOT)
  - 2. Result input



• Use the two bytes obtained from the tables below, and the operator from the first display, to determine the answer. In these tables, MSB is the most significant bit, LSB the least significant bit.

Byte 1	Bit	Byte 2	
No AA batteries	MSB	1 or more D battery	
Parallel port		3 or more ports	
Lit indicator NSA		2 battery holders or more	
More modules than you have (starting) time in minutes	-	Lit indicator BOB	
More than one lit indicator	-	More than one unlit indicator	
Number of modules divisible by 3		Odd serial number	
Less than 2 D batteries		Even number of modules	
Less than 4 ports	LSB	2 or more batteries	

Here is a table of explanations of each bitwise operator:

Info	AND	OR	XOR	NOT
HOW	Going bit by bit, if both bits are 1, the return bit is 1. Otherwise, the return bit is 0.	Going bit by bit, if either (or both) bit is 1, the return bit is 1. Otherwise, the return bit is 0.	Going bit by bit, if either (but not both) bits are 1, the return bit is 1. Otherwise, the return bit is 0.	Ignore the second operand. Going bit by bit, the return bit is the opposite.
MATH	bitl && bit2	bitlllbit2	(bitl && !bit2)    (!bitl && bit2)	!bitl