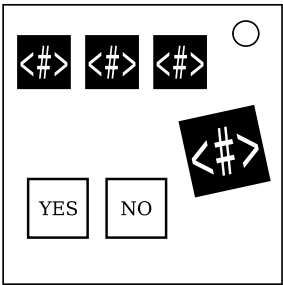# On the Subject of Faulty Digital Root

"Carrot?" "Still the wrong root."

This module is supposed to be a Digital Root module, but due to budget cuts, it's **faulty**. Make the necessary adjustments and use the original Digital Root manual to solve.

The module's rightmost display is broken and displays a random number. Using this number to solve the module like normal will not work. Take the number from the display and modulo by 2.

If the number is a 0, take the additive digital root of the three numbers (add the three digits until you reach a one-digit number). If the number is a 1, take the multiplicative digital root of the three numbers (multiply the three numbers until you reach a one-digit number).

Take the number you got and transmit the number in binary, where YES transmits a 1 and NO transmits a 0. Use the table below to see what the binary equivalent of each number is. All leading zeros must be entered. An LED bar below the buttons indicate whether any buttons have been pressed already. If the transmitted binary number entered is incorrect, a strike will be recorded and the module WILL reset.

Number	0	1	2	3	4	5	6	7	8	9
Binary	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001