

On the Subject of Palindromes

Is it crazy how saying sentences backwards creates backwards sentences saying how crazy it is?

The module consists of a screen with a 9-digit number, a larger screen displaying inputs, and three buttons.

Find a 9-digit, 8-digit, and 7-digit palindromic* numbers that add up to the number on the module.

Make **X** the 9-digit, **Y** the 8-digit, and **Z** the 7-digit palindrome.

NOTE:

- Leading 0's are counted in palindromes*. Example: "000 111 000" is valid.
- The module ignores digits past 9 for **N**. Example: "1 000 000 000" equals "0".

**Numbers that read the same forwards as backwards.*

Once all three palindromes are found, input each digit in **X**, **Y**, and **Z** by cycling digits with the left button, and submitting them with the middle button. If a mistake gets made, use the right button to eradicate the current variable.

#####	○	
X:#####		
Y:#####		
Z:#####		
#	✓	X