On the Subject of Negativity

It's called "Negativity" but not "Positivity"? I demand opposition equality!

- The module consists of a touchable screen, an input display, a **Submit** button, and a **Clear** button.
- The screen cycles 10 different three digit numbers, some with a minus sign, and either with a white background or a black background.
- For all the numbers shown:
    - If the background colour is white, then use the number as is.
    - If the background colour is black, then negate the number.
- Add all the numbers up.
- After you get your answer, press the **Submit** button. This will stop the cycling of the numbers, and the screen will flash between white and black moderately.
- Convert the answer gathered into balanced ternary. Then remove all zeros in the result.
- Input the resulting ternary from most significant digit to least significant digit.
- Press the screen when it is white to input a plus, and when it is black to input a minus.
- If you are satisfied, press the **Submit** button to submit the input.
- A strike will be given for inputting the wrong answer, and it will cause the module to reset.
- You may hit the **Clear** button to clear your input.
- You may also hit the **Clear** button when the input display is empty to resume the cycling of the numbers.