RESTRICT – State restrictions of variables in equations

This program finds the restrictions of a variable so that the denominator does not equal 0

“A” and “A2” are the coefficient of X^2 (or any other variable)
“B” and “B2” are the coefficient of X (or any other variable)
“C” and “C2” are the numbers without a variable

“A”, “B”, and “C” are parts of the numerator
“A2”, “B2”, and “C2” are parts of the denominator

If “A”, “B”, “C”, “A2”, “B2”, and/or “C2” cannot be found, then you would put 0 in the corresponding spot

If the equation looked something like this:

$$\frac{3X^2+16X+16}{X^2-3X-28}$$

A=3
B=16
C=16
A2=1
B2=-3
C2=-28

Then the calculator displays:

$$\frac{3\ X^2+16\ X+16}{1\ X^2+-3\ X+-28}$$

Then you are asked:
CORRECT EQUATION?
1:Yes
2:No

If you say yes, the calculator will display:
≠
7
-4

If you say no, the program will restart

If the equation looked something like this:

$$\frac{11}{X+4}$$

A=0
B=0
C=11
A2=0
B2=1
C2=4

Then the calculator displays:

$$\frac{0\ X^2+0\ X+11}{0\ X^2+1\ X+4}$$

Then you are asked:
CORRECT EQUATION?
1:Yes
2:No

If you say yes, the calculator will display:
≠

$$-4$$
$$-4$$

If you say no, the program will restart

If you have any questions, please contact me at benbecker23@gmail.com
Thank you