Assumptions:

Number can be a float number, or negative

If input is a decimal, the least significant digit will be treated as a regular 1's place number

Requirements:

1. Must take in an input string (string must be numbers)
2. Program must be recursive
3. Must handle 2 numbers
4. Output must be a single digit
5. Least significant digit must be added to the rest of the number in order to obtain a smaller number

Design:

1. Take an input string
2. Check if input is one digit
   a. If null, throw exception
3. Save the string to a variable
   a. If a decimal is present, smaller numbers (right of decimal) are to be treated as whole numbers when added
4. Split the string and save the least significant digit to its own variable
   a. If the least significant digit is a decimal, skip that one and move on to the next (subsequently deleting the decimal, as it would no longer be relevant)
   b. If the second to least significant digit is a decimal, delete the decimal from the string as it would no longer be relevant past this point
5. Save the rest of the string to its own variable
6. Add the two variables together
7. Check if sum is one digit
   a. Return if yes
   b. Repeat if not