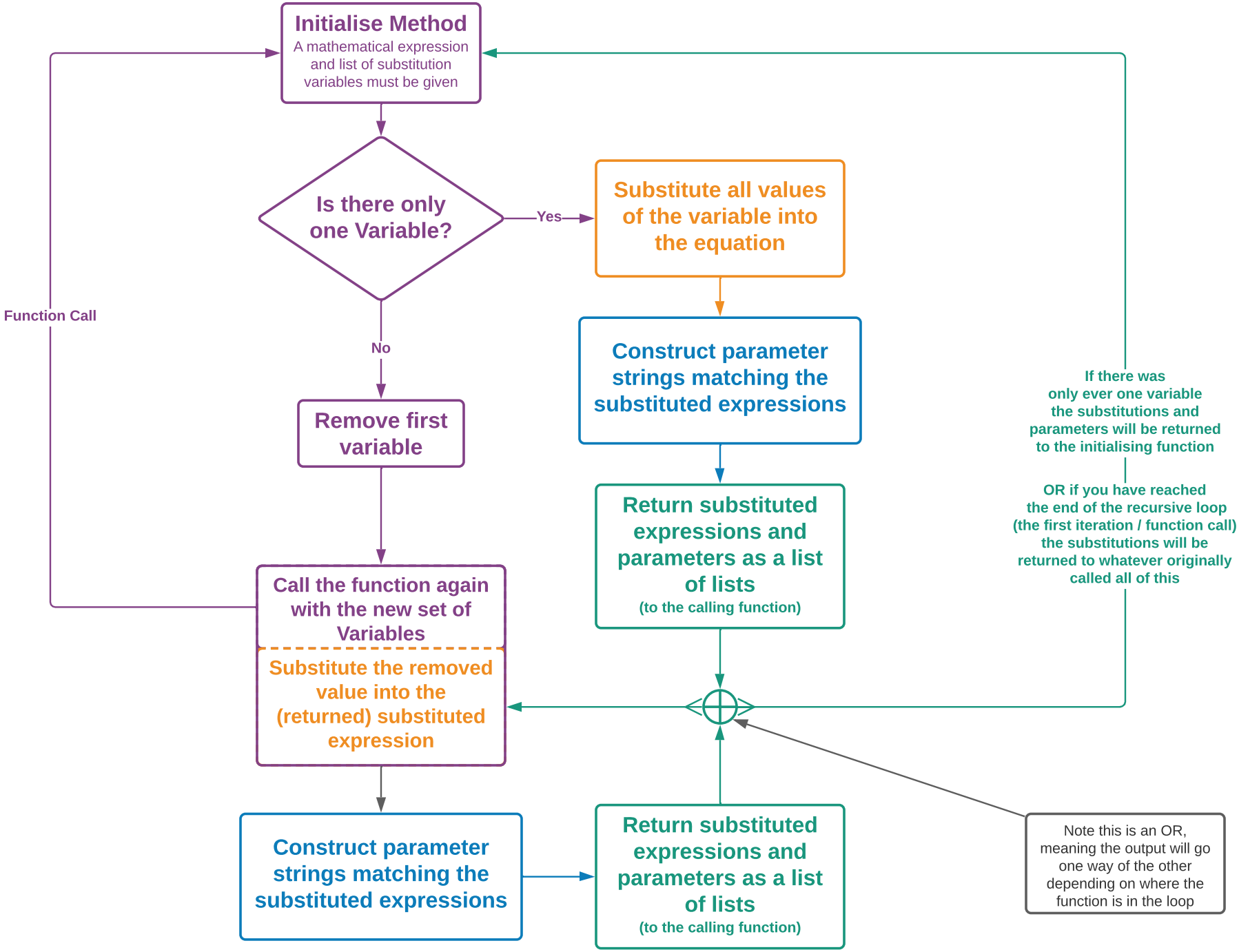
Initialise Method
A mathematical expression and list of substitution variables must be given
Is there only one Variable?
Yes
No
Substitute all values of the variable into the equation
Construct parameter strings matching the substituted expressions
Return substituted expressions and parameters as a list of lists
(to the calling function)
Remove first variable
Call the function again with the new set of Variables
Substitute the removed value into the (returned) substituted expression
Construct parameter strings matching the substituted expressions
Return substituted expressions and parameters as a list of lists
(to the calling function)
Function Call
If there was only ever one variable the substitutions and parameters will be returned to the initialising function
OR if you have reached the end of the recursive loop (the first iteration / function call) the substitutions will be returned to whatever originally called all of this
Note this is an OR, meaning the output will go one way of the other depending on where the function is in the loop