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<center>Assignment 2</center>

Initialize values stack

Initialize operators stack

Read file with equations

    While the file has a next line

        Take each line and split it for each character

        For each element of the array

            If element equals to (

                Push into operators stack

            If element equals to)

                While the top of the operations stack is not equal to (

                    Do all operations in between the two parenthesis

                Pop out the (in the operator stack

            If element is a number

                Push into values stack

            Else

                Do the operation

                Push element onto the operation stack

    Print out the calculated value in the value stack by popping it and write it on the output file