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Design Document A3

Input Algebraic Equation

Reports

Equation as

Unbalanced and Reports Error

Reports

Equation as

Balanced

Purpose:

Program will use a stack structure to check for correct placement of parentheses in an algebraic expression.

Pseudo Code:

* Operator inputs algebraic equation
* Program Checks if equation’s { }, [ ], and ( ) if they are balanced
* Program either reports equation as balanced or reports equation as unbalanced with what kind of error

Checks If Equation’s

{ }, [ ], and ( ) if they are balanced