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To enter your logic expression into the input:

Use & for logical AND,

|| for logical OR,

> for IMPLICATION, and

= for BICONDITIONAL.

* I was unable to implement my negation completely so any expressions involving negations would give an error.
* As far as my user input goes, I did not have a try catch method for it. So if the user’s input is in the wrong format, the program will be terminated abruptly.

This method converts the input which is in an infix form (P&(Q|R) to a postfix form (PQR&I) for a better implementation in the program.

This basically separates the operand and operators

This is the largest method but basically it shows the implementation of the logic table. The formula (i/(2k ) != 0 was used to populate the table, and k stands for the number of variables.

This method is called in the logicTable() and it shows the derivation/implementation of each logical operator

IMPLEMENT LOGIC()

INFIX TO PREFIX()

LOGICTABLE()

This method goes through each character in the input, pushes the operands to a queue and operators to a stack.

EVAL EXPRESSION()