

4.1 Try the following expressions to see how precedence works. what conclusion do you come to?

We have come to the conclusion that the precedence of operations does not work, it solves the expression from left to right in every case.

4.2 Try the above expressions again.

After substituting operand with expression when performing a binary operation we see that the operation precedence works, giving priority to multiplication and division

4.3 If we were asked to include variables within the language, how would you approach it?

We would modify the lexicographic analyzer so that it allows strings of a letter followed by a sequence of numbers.

4.6 What problem do you see when implementing a parser that works with the latest proposed questions?

The main problem that we see is that the grammar accepts the assignment of new variables but the value of these same variables is not stored anywhere, so they are ultimately useless.