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CSCI 410 - Programming Languages
Problem 4 on page 163

Question:

Rewrite the BNF of Example 3.4 to add the ++ and the -- unary operators of C++.

Answer:

I simply attached the additional cases for the two operators into the evaluation of a factor.

<assign> → <id> = <expr>

<id> → A

| B

| C

<expr> → <expr> + <term>

| <term>

<term> → <term> * <factor>

| <factor>

<factor> → (<expr>)

| <id>

| <id> ++

| <id> --