IntLang grammar (with operator precedence) version 3

Program ::= Block

Block ::= **declare** Declarations **do** Statements **od**

Declarations ::= OneDeclaration*

OneDeclaration ::= **var Identifier ;**
| **func Identifier (** (IdList | ε) **)** Block **return** Expression **;**

IdList ::= **Identifier** (**, Identifier**)*

Statements ::= OneStatement*

OneStatement ::= Expression **;**
| **if** Expression **then** Statements (ε | **else** Statements) **fi ;**
| **while** Expression **do** Statements **od ;**
| **say** Expression **;**

Expression ::= Expression1 (ε | **AssignOperator** Expression)

Expression1 ::= Expression2 (**AddOperator** Expression2)*

Expression2 ::= Primary (**MulOperator** Primary)*

Primary ::= **Identifier** (ε | **(** (ExpressionList | ε) **)**)
| **AddOperator** Primary
| **IntegerLiteral**
| **(** Expression **)**

ExpressionList ::= Expression (**,** Expression)*

AssignOperator ::= **:=**

AddOperator ::= **+** | **-**

MulOperator ::= ***** | **/** | **%**