```
Program:
 Functions | ;
Functions:
  Function Functions ;
Declaration Semi:
  Declaration SEMICOLON ;
Declarations Semi:
  Declaration Semi Declarations Semi | ;
Statement Semi:
 Statement SEMICOLON ;
Statments Semi:
 Statement Semi Statments Semi ;
Function:
  FUNCTION Ident SEMICOLON BEGIN PARAMS Declarations Semi END PARAMS
  BEGIN LOCALS Declarations Semi END LOCALS BEGIN BODY Statments Semi END BODY
 ;
Identifiers:
 Ident COMMA Identifiers | Ident | ;
Declaration:
  Identifiers COLON ENUM L PAREN Identifiers R PAREN | Identifiers COLON INTEGER
Identifiers COLON ARRAY L SQUARE BRACKET Number R SQUARE BRACKET OF INTEGER ;
Vars:
           | COMMA Var Vars
 Var Vars
Statement:
 Var ASSIGN Expression | IF Bool-Expr THEN Statments Semi ENDIF | IF Bool-Expr THEN
Statments Semi ELSE Statments Semi ENDIF | WHILE Bool-Expr BEGINLOOP Statments Semi
ENDLOOP | DO BEGINLOOP Statments_Semi ENDLOOP WHILE Bool-Expr | READ Vars
WRITE Vars | CONTINUE | RETURN Expression ;
Relation-And-Exprs:
 OR Relation-And-Expr Relation-And-Exprs ;
Bool-Expr:
  Relation-And-Expr Relation-And-Exprs ;
```

```
Relation-Exprs:
 AND Relation-Expr Relation-Exprs ;
Relation-And-Expr:
  Relation-Expr Relation-Exprs ;
Relation-Expr:
  NOT Expression Comp Expression
                                 | NOT TRUE
  NOT FALSE | NOT L PAREN Bool-Expr R PAREN | Expression Comp Expression |
TRUE | FALSE | L PAREN Bool-Expr R PAREN ;
Comp:
  EQ | NEQ | LT | GT | LTE | GTE ;
Multiplicative-Exprs:
 ADD Multiplicative-Expr Multiplicative-Exprs | SUB Multiplicative-Expr Multiplicative-Exprs
Expression:
  Multiplicative-Expr Multiplicative-Exprs ;
Terms:
  MULT Term Terms
                    DIV Term Terms | MOD Term Terms
Multiplicative-Expr:
 Term Terms ;
Expressions:
  Expression Expressions | COMMA Expression Expressions | ;
Term:
 SUB Var | SUB Number | SUB L PAREN Expression R PAREN | Var
                                                                   Number
L PAREN Expression R PAREN | Ident L PAREN Expressions R PAREN ;
Var:
 Ident
        | Ident L SQUARE BRACKET Expression R SQUARE BRACKET ;
Ident:
 IDENT
Number:
```

NUMBER ;