```
Functions -> epsilon | Function Functions
Function -> FUNCTION Identifier SEMI BEGINPARAMS Declarations ENDPARAMS BEGINLOCALS Declarations
ENDLOCALS BEGINBODY Statements ENDBODY
Identifier -> IDENT
Identifiers -> Identifier
Declarations -> epsilon | Declaration SEMI Declarations
Declaration -> Identifiers COLON INTEGER
             Identifiers COLON ARRAY LBRACKET NUMBER RBRACKET OF INTEGER
Statements -> Statement SEMI Statements | epsilon
Statementss -> ELSE Statements | epsilon
Statement -> Var ASSIGN Expression
             IF Bool Exp THEN Statements Statementss ENDIF
             WHILE Bool Exp BEGINLOOP Statements ENDLOOP
             DO BEGINLOOP Statements ENDLOOP WHILE Bool_Exp
             READ Var
             Write Var
             CONTINUE
             BREAK
            | RETURN
Bool_Exp -> Expression Comp Expression
             | NOT Bool_Exp
Comp -> EQ
         | NEQ
          LT
          GT
          LTE
         | GTE
Expression -> Multiplicative_Expr
              | Multiplicative_Expr ADD Expression
              | Multiplicative_Expr SUB Expression
Multiplicative Expr -> Term
                  | Multiplicative Expr Term MULT Multiplicative Expr
                   Multiplicative_Expr Term DIV Multiplicative_Expr
                  | Multiplicative_Expr Term MOD Multiplicative_Expr
Term -> Var
         NUMBER
          LPAREN Expression RPAREN
          Identifier LPAREN Expression RPAREN
          Identifier LPAREN Expression COMMA RPAREN
         | Identifier LPAREN RPAREN
```

Program -> Functions

Var -> Identifier

| Identifier LBRACKET Expression RBRACKET