```
*Bold - Non-terminal
// Program
Program -> Function Program | ε
// Function
Function -> "function" "identifier" ";" "beginparams" Declarations "endparams" "beginlocals"
Declarations "endlocals" "beginbody" Statement "endbody"
// Declaration
Declarations -> Declaration ";" Declarations | ε
Declaration -> Identifiers: array [ number ] of integer | Identifiers: integer
// Identifiers
Identifiers -> identifier | identifier , Identifiers
// Statement
Statements -> Statement; Statements | Statement;
Statement -> Var ":=" Expression |
       "if" Bool-Exp "then" Statements ElseStatement "endif" |
       "While" Bool-Exp "beginloop" Statements "endloop" |
       "Do" "beginloop" Statements "endloop" "while" Bool-Expr
      "Foreach" "identifier" "in" "identifier" "beginloop" Statements "endloop" |
       "Read" Vars
       "Write" Vars |
       "Continue" |
      "Return" Expression
ElseStatement -> "else" Statements | ε
// Bool-Expr
Bool-Expr -> Relation-And-Expr | Relation-And-Expr or Bool-Expr
// Relation-And-Expr
Relation-And-Expr -> Relation-Expr | Relation-Expr and Relation-And-Expr
// Relation-Expr
Relation-Expr -> not Relation-Expr1 | Relation-Expr1
Relation-Expr1 -> Expression Comp Expression |
      True |
       False |
```

(Bool-Expr)

```
// Comp
Comp -> "==" |
      "<>" |
      "<" |
      ">" |
      "<=" |
      ">=" |
// Expression
Expressions -> Expression , Expressions |
       Expression |
       3
Expression -> Multiplicative-Expr
       Multiplicative-Expr + Expression |
       Multiplicative-Expr - Expression
// Multiplicative-Expr
Multiplicative-Expr -> Term |
       Term * Multiplicative-Expr |
       Term / Multiplicative-Expr |
       Term % Multiplicative-Expr
// Term
Term -> - Var |
       Var |
       number |
       - number |
       - ( Expression ) |
       (Expression)|
       Identifier (Expressions)
// Var
Var -> "identifier" | "identifier" "[" Expression "]"
Vars -> Var | Var , Vars
```