```
Key:
```

- Italics: terminal

- Capitalized: non-terminal

Program

PROGRAM -> FUNCTION PROGRAM | ε

Function

FUNCTION -> function identifier; beginparams DECLARATION_LOOP endparams beginlocals DECLARATION_LOOP endlocals beginbody STATEMENT_LOOP endbody

Declaration

```
DECLARATION_LOOP -> DECLARATION ; DECLARATION_LOOP | ε
DECLARATION -> IDENTIFIER_LOOP : array [ number ] of integer | IDENTIFIER_LOOP :
integer | IDENTIFIER_LOOP : enum ( IDENTIFIER_LOOP )
```

Identifier Loop

IDENTIFIER_LOOP -> identifier | identifier , IDENTIFIER_LOOP

Statement

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_EXPR_BODY | RELATION_EXPR_BODY RELATION_EXPR_BODY -> EXPRESSION COMP EXPRESSION | true | false | (BOOL-EXPR)
```

Comp

COMP -> == | <> | < | > | <= | >=

Expression

EXPRESSION -> MULTIPLICATIVE_EXPR | MULTIPLICATIVE_EXPR + EXPRESSION | MULTIPLICATIVE_EXPR - EXPRESSION | EXPRESSION LOOP -> EXPRESSION | EXPRESSION , EXPRESSION LOOP | ε

Multiplicative-Expr

MULTIPLICATIVE_EXPR -> TERM | TERM * MULTIPLICATIVE_EXPR | TERM / MULTIPLICATIVE_EXPR | TERM % MULTIPLICATIVE_EXPR

Term

TERM -> VAR | NUMBER | (EXPRESSION) |
-VAR | -NUMBER | - (EXPRESSION) |
identifier (EXPRESSION_LOOP)

<u>Var</u>

VAR_LOOP -> VAR | VAR , VAR_LOOP VAR -> identifier | identifier [EXPRESSION]