```
PROGRAM -> STATEMENT
PROGRAM -> FUNCLIST
PROGRAM -> €
FUNCLIST -> FUNCDEF FUNCLIST
FUNCLIST -> FUNCDEF
FUNCDEF -> def ident(PARAMLIST){STATELIST}
PARAMLIST -> int ident, PARAMLIST
PARAMLIST -> float ident, PARAMLIST
PARAMLIST -> string ident, PARAMLIST
PARAMLIST -> int ident
PARAMLIST -> float ident
PARAMLIST -> string ident
PARAMLIST-> €
STATEMENT -> VARDECL;
STATEMENT -> ATRIBSTAT;
STATEMENT -> PRINTSTAT;
STATEMENT -> READSTAT;
STATEMENT -> RETURNSTAT;
STATEMENT -> IFSTAT
STATEMENT -> FORSTAT
STATEMENT -> {STATELIST}
STATEMENT -> break;
STATEMENT -> :
VARDECL -> int ident VARDECLAUX
VARDECL -> float ident VARDECLAUX
VARDECL -> string ident VARDECLAUX
VARDECL -> tint ident VARDECLAUXT
VARDECL -> tfloat ident VARDECLAUXT
VARDECL -> tstring ident VARDECLAUXT
VARDECLAUXT -> [int constant]
VARDECLAUX -> [int_constant]VARDECLAUX
VARDECLAUX -> [int constant]
VARDECLAUX -> E
ATRIBSTAT -> LVALUE = EXPRESSION
ATRIBSTAT -> LVALUE = ALOCEXPRESSION
ATRIBSTAT -> LVALUE = FUNCCALL
FUNCCAL -> ident(PARAMLISTCALL)
PARAMLISTCALL -> ident, PARAMLISTCALL
PARAMLISTCALL -> ident
```

```
PARAMLISTCALL -> E
```

PRINTSTAT -> print EXPRESSION

READSTAT -> read LVALUE
RETURNSTAT -> return ident

IFSTAT -> if(EXPRESSION) STATEMENT else STATEMENT

IFSTAT -> if(EXPRESSION) STATEMENT

FORSTAT -> for(ATRIBSTAT; EXPRESSION; ATRIBSTAT) STATEMENT

STATELIST -> STATEMENT STATELIST STATELIST -> STATEMENT

ALLOCEXPRESSION -> new int [NUMEXPRESSION]ALLOCEXPRESSIONAUX ALLOCEXPRESSION -> new float [NUMEXPRESSION]ALLOCEXPRESSIONAUX ALLOCEXPRESSION -> new string [NUMEXPRESSION]ALLOCEXPRESSIONAUX ALLOCEXPRESSIONAUX -> [NUMEXPRESSION]ALLOCEXPRESSIONAUX ALLOCEXPRESSIONAUX -> £

EXPRESSION -> LOGEXPRESSION

EXPRESSION -> LOGEXPRESSION < LOGEXPRESSION EXPRESSION -> LOGEXPRESSION > LOGEXPRESSION

EXPRESSION -> LOGEXPRESSION <= LOGEXPRESSION

EXPRESSION -> LOGEXPRESSION >= LOGEXPRESSION

EXPRESSION -> LOGEXPRESSION == LOGEXPRESSION

EXPRESSION -> LOGEXPRESSION != LOGEXPRESSION

LOGEXPRESSION -> not LOGEXPRESSION LOGEXPRESSION -> LOGEXPRESSION_AND LOGEXPRESSION -> NUMEXPRESSION

LOGEXPRESSION_AND -> LOGEXPRESSION and LOGEXPRESSION LOGEXPRESSION AND -> LOGEXPRESSION OR

LOGEXPRESSION_OR-> LOGEXPRESSION or LOGEXPRESSION LOGEXPRESSION_OR -> (EXPRESSION)

NUMEXPRESSION -> TERM NUMEXPRESSIONAUX NUMEXPRESSIONAUX -> + TERM NUMEXPRESSIONAUX NUMEXPRESSIONAUX -> - TERM NUMEXPRESSIONAUX NUMEXPRESSIONAUX -> E

TERM -> UNARYEXPR TERMAUX
TERMAUX -> * UNARYEXPR TERMAUX]
TERMAUX -> / UNARYEXPR TERMAUX

TERMAUX -> % UNARYEXPR TERMAUX TERMAUX -> &

UNARYEXPR -> FACTOR UNARYEXPR -> - FACTOR UNARYEXPR -> - FACTOR

FACTOR -> int_constant
FACTOR -> float_constant
FACTOR -> string_constant
FACTOR -> null
FACTOR -> LVALUE
FACTOR -> (NUMEXPRESSION)

LVALUE-> ident LVALUEAUX
LVALUEAUX -> [NUMEXPRESSION] LVALUEAUX
LVALUEAUX -> £