Nome: Erik Fernando Mendes Silva RA: 22.119.074-7

Nome: Vanessa Gomes Favorito RA: 22.119.009-3

Nome: Bruno Augusto Jovenasso RA: 22.119.020-0

Nome: Lucas Medeiros RA: 22.119.057-2

**GLC**

**Tipos**

TYPES: STR

| INT

| FLT

| BOOLEAN

;

**Operadores**

Operators: NOT

| AND

| OR

;

**Tipos de atribuição**

ATRIBUTIONTYPES: STRING

| INTEGER

| FLOAT

| BOOLEANTRUE

|BOOLEANFALSE

;

**Declaração de variável**

VarDecl

: TYPES IDENTIFIER ENDEXPRESSION

;

**Atribuição de valores entre variáveis**

VarAtrib

:IDENTIFIER EQUAL ATRIBUTIONTYPES ENDEXPRESSION

;

Op

: IDENTIFIER SUM IDENTIFIER ENDEXPRESSION

| IDENTIFIER SUB IDENTIFIER ENDEXPRESSION

| IDENTIFIER MULT IDENTIFIER ENDEXPRESSION

| IDENTIFIER DIV IDENTIFIER ENDEXPRESSION

| IDENTIFIER POW IDENTIFIER ENDEXPRESSION

| IDENTIFIER SQRT IDENTIFIER ENDEXPRESSION

| ATRIBUTIONTYPES SUM ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES SUB ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES MULT ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES DIV ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES POW ATRIBUTIONTYPES ENDEXPRESSION

| SQRT ENDEXPRESSION

;

RelOp

: IDENTIFIER ESQMAIOR IDENTIFIER ENDEXPRESSION

| IDENTIFIER DIRMAIOR IDENTIFIER ENDEXPRESSION

| IDENTIFIER ESQME IDENTIFIER ENDEXPRESSION

| IDENTIFIER DIRME IDENTIFIER ENDEXPRESSION

| IDENTIFIER DIF IDENTIFIER ENDEXPRESSION

| IDENTIFIER EQUAL IDENTIFIER ENDEXPRESSION

| ATRIBUTIONTYPES ESQMAIOR ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES DIRMAIOR ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES ESQME ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES DIRME ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES DIF ATRIBUTIONTYPES ENDEXPRESSION

| ATRIBUTIONTYPES EQUAL ATRIBUTIONTYPES ENDEXPRESSION

;

**Outras gramáticas**

Statement

:TYPES

|Op

|RelOp

| VarDecl

| VarAtrib

| ATRIBUTIONTYPES

| Operators

;

**Estruturas condicionais**

Conditional

: IF ESQPARENT Statement DIRPARENT TWOPOINTS Statement ENDEXPRESSION

| IF ESQPARENT Statement DIRPARENT TWOPOINTS Statement ENDEXPRESSION ELSE TWOPOINTS Statement ENDEXPRESSION

| IF ESQPARENT Statement DIRPARENT TWOPOINTS Statement ENDEXPRESSION ELIF ESQPARENT Statement DIRPARENT TWOPOINTS ENDEXPRESSION ELSE TWOPOINTS Statement ENDEXPRESSION

;