**GRAMÁTICA**

**BLOCO →** IFELSE BLOCO **|** ATR BLOCO **|** INT BLOCO | FLOAT BLOCO | STRING BLOCO | BOOLEAN BLOCO **|** FOR BLOCO **|** WHILE BLOCO **|** ε

**DECL →** reserved id ‘;’ **|** reserved id ‘=’ E ‘;’

**DECL’→** reserved A

**A** **→** id ‘;’ | id ‘=’ E ‘;’

**A’** **→** id Y

**B** **→** ‘;’ | ‘=’ E ‘;’

**INT** **→** inteiro m; | inteiro m = 1’;

**FLOAT** **→** decimal m; | decimal m = 1.1

**STRING →** texto m; | texto m = “texto”

**BOOLEAN** **→** estado m; | estado m = true; | estado m = false;

**IFELSE →** se ‘(‘ COND ‘)’ ‘{‘ BLOCO ‘}’ cnao { BLOCO }

**ATR →** id = E ; X

**X →** ATR **|** ε

**COND →** id OP NUM **|** id OP id

**NUM →** float **|** int

**OP →** < **|** > **|** <= **|** >= **|** == **|** !=

**E →** T R

**R →** + T R **|** - T R **|** ε

**T →** FS

**S →** \* T R **|** / T R **|** ε

**F →** ‘(‘ E ‘)’ **|** id **|** NUM

**FOR** **→** 'para' '(' 'inteiro' 'ATR\_FOR' ';' 'COND' ';' INC ')' '{' BLOCO '}'

**ATR\_FOR** **→** id '=' (num | 'id')

**INC** **→** id '=' id OP\_MAT num

**OP\_MAT** **→** + | - | / | \*

**WHILE →** enquanto' '(' condição ')' '{' BLOCO '}'