```
* S é o ponto de início da execução
     S = DeclId S
     S = FunDecl S
     S = ProcDecl S
     S = &
     DeclId = Type LId ';'
     DeclId = 'const' Type LId ';'
     Type = 'int' | 'float' | 'bool' | 'char' | 'string'
     LId = LId ',' 'id' '=' Ec
     LId = LId ',' 'id'
     LId = LId ',' 'id' '[' Ea ']'
     LId = LId ',' 'id' '[' Ea ']' = Ec
     LId = 'id' '=' Ec
     LId = 'id' '[' Ea ']' = Ec
     LId = 'id' '[' Ea ']'
     LId = 'id'
     LParamCall = LParamCall ',' Ec
     LParamCall = Ec
     LParamCall = &
     FunDecl = 'fun' Type FunName '(' LParamDecl ')' Body
     FunName = 'id' | 'main'
     LParamDecl = LParamDecl ',' Type 'id' '[' Ea ']'
LParamDecl = LParamDecl ',' Type 'id'
     LParamDecl = Type 'id' '[' Ea ']'
     LParamDecl = Type 'id'
     LParamDecl = &
     IdOrFunCall = 'id' '[' Ea ']'
     IdOrFunCall = 'id' '(' LParamCall ')'
     IdOrFunCall = 'id'
     Id = 'id' '[' Ea ']'
     Id = 'id'
     ProcDecl = 'proc' FunName '(' LParamDecl ')' Body
```

```
Body = '{' BodyPart '}'
     BodyPart = DeclId BodyPart
     BodyPart = Command BodyPart
     BodyPart = 'id' '(' LParamCall ')' ';' BodyPart
     BodyPart = 'return' Return ';'
     BodyPart = LIdAttr ';' BodyPart
     BodyPart = &
     LIdAttr = LIdAttr ',' 'id' '=' Ec
     LIdAttr = LIdAttr ',' 'id' '[' Ea ']' '=' Ec
     LIdAttr = 'id' '=' Ec
     LIdAttr = 'id' '[' Ea ']' '=' Ec
     Return = Ec //somente admissível se for função
     Return = & //somente admissível se for procedimento
     Command = 'print' '(' 'constStr' PrintLParam ')' ';'
     Command = 'scan' '(' ScanLParam ')' ';'
     Command = 'whileLoop' '(' Eb ')' Body
Command = 'forLoop' '(' 'typeInt' 'id' ':' '(' Ea ',' Ea ','
Ea ')' ')' Body
     Command = 'forLoop' '(' 'typeInt' 'id' ':' '(' Ea ',' Ea')'
')' Body
     Command = 'if' '(' Eb ')' Body
     Command = 'if' '(' Eb ')' Body LElseIf
     Command = 'if' '(' Eb ')' Body LElseIf 'else' Body
     Command = 'if' '(' Eb ')' Body 'else' Body
     LElseIf = LElseIf 'ceif' Body
     LElsefF = 'ceif' Body
     PrintLParam = ',' Eb PrintLParam
     PrintLParam = &
     ScanLParam = ScanLParam ',' Id
     ScanLParam = Id
Expressões:
     Ec = Ec 'opConcat' Eb
     Ec = Eb
     Eb = Eb 'op0r' Tb
     Eb = Tb
     Tb = Tb 'opAnd' Fb
     Tb = Fb
```

```
Fb = Fb OpRel Ra
     Fb = 'opNot' Fb
     Fb = Ra
     Ra = Ra OpRel Ea
     Ra = Ea
     Ea = Ea 'opAdd' Ta
     Ea = Ea 'opSub' Ta
     Ea = Ta
     Ta = Ta 'opMult' Pa
     Ta = Ta 'opDiv' Pa
     Ta = Pa
     Pa = Pa 'opPow' Fa
     Pa = Fa
     Fa = '(' Ec ')'
     Fa = 'opSub' Fa
     Fa = IdOrFunCall | 'cteInt' | 'cteFloat' | 'cteBool' |
'cteString' | 'cteChar'
     OpRel = 'opGreater' | 'opLesser' | 'opGreq' | 'opLeq'
```