

GRAMÁTICA

S → {**Declarar**}* “main” {**Declarar**}* {**Comandos**}* “end”

Escrever → “write” (“**Expressao**”) “;” | “writeln” (“**Expressao**”) “;”

Ler → “readln” (“**id**”) “;”

Atribuir → “id” “=” **Expressao** “;”

ListaAtribuir → (“integer”|“byte”|“boolean”|“string”) “id” {“,” “id” “=” “valor”}* “;”

Declarar → “const” “id” “=” “valor” “;” | **ListaAtribuir**

Desvio → “if” (“**Expressao**”) “then” **Comando** | “if” (“**Expressao**”) “then” **Comando** “else”

Comando | “if” (“**Expressao**”) “then” “begin” {**Comandos**}* “end” “else” “begin” {**Comandos**}* “end”

Repetir → “while” (“**Expressao**”) **Comando** | “while” (“**Expressao**”)+ “begin” {**Comando**}* “end”

Comando → **Ler** | **Escrever** | **Desvio** | **Atribuir** | **Repetir**

Expressao → “id” | {**Relacional** | **Aritmetico** | **Logico**}+ | (“**Expressao**”)

Relacional → **Expressao**[(“==” | “!=” | “<” | “>” | “<=” | “>=”) **Expressao**]

Aritmetico → **Expressao**[(“+” | “*” | “/” | “-”) **Expressao**]

Logico → “not” **Expressao** | **Expressao**[(“or” | “and”) **Expressao**]