

$S \rightarrow DB$

$D \rightarrow \text{final id } "=" ["-"] \text{const}";" \mid$

$\text{Tipo id } ["=" ["-"] \text{const}] \{"," id ["=" [-] \text{const} \}^* ";"$

$\text{Tipo} \rightarrow \text{int} \mid \text{byte} \mid \text{string} \mid \text{boolean}$

$B \rightarrow \text{begin } \{C\}^* \text{end}$

$C \rightarrow \text{id} = \text{Exp } ";" \mid \text{while Exp } (C \mid B) \mid$

$\text{If Exp } (C \mid B) [\text{else } (C \mid B)] \mid ";" \mid$

$\text{Readln}";" \text{id } ";" \mid (\text{write} \mid \text{writeln})";" \text{Exp } \{"," \text{Exp} \}^* ";"$

$\text{Exp} \rightarrow \text{ExpS } [("<" \mid ">" \mid "<=" \mid ">=" \mid "==" \mid "!=") \text{ExpS}]$

$\text{ExpS} \rightarrow ["+" \mid "-" \text{T } \{ ("+" \mid "-" \mid \text{or}) \text{T} \}^*$

$\text{T} \rightarrow \text{F } \{ ("*" \mid "/" \mid \text{and}) \text{F} \}^*$

$\text{F} \rightarrow "(" \text{Exp} ")" \mid \text{not F} \mid \text{const} \mid \text{id}$