Grammar

S → {**D**}{**C**}$^+$

D → (INT | BOOLEAN | BYTE | STRING) ID [RECEIVE [MINUS] CONST]

                          { COMMA ID [RECEIVE [MINUS] CONST] } SEMICOLON **|**

           FINAL ID RECEIVE [MINUS] CONST SEMICOLON

C → ID RECEIVE E SEMICOLON **|**

           WHILE OPPAR **E** CLPAR (BEGIN { **C** } ENDWHILE | **C**) **|**

           IF OPPAR **E** CLPAR (BEGIN { **C** } ENDIF [ELSE (BEGIN { **C** } ENDELSE | **C**)] |

                   C [ELSE (BEGIN { **C** } ENDELSE | **C**)]) **|**

           SEMICOLON **|**

           READLN OPPAR ID CLPAR SEMICOLON **|**

           (WRITE | WRITELN) OPPAR **E** { COMMA **E** } CLPAR SEMICOLON

E → **X** [(LESSTHAN | MORETHAN | LESSEQUAL | MOREEQUAL | DIFFERENT | EQUALS) **X**]

X → [PLUS | MINUS] **T** { (PLUS | MINUS | OR) **T** }

T → **F** { (TIMES | DIVIDE | AND) **F** }

F → OPPAR **E** CLPAR | ID | CONST | NOT **F**