

<program> -> START <declarations> MAIN <statements> END
 <declarations> -> <declaration> | <declaration> <declarations>
 <declaration> -> <type> <variable> “;” | <comment>
 <type> -> INT | NOT_INT | CHR
 <variable> -> <letter> | “_” { <letter> | <digit> | “_” }
 <letter> -> [a-z]
 <digit> -> [0-9]
 <comment> -> ! { . } !
 <statements> -> <statement> | <statement> <statements>
 <statement> -> <assignment> | TERMINATE “!” | OUTPUT
 <or_expression> “!” | <conditions> | <loop> | <comment>
 <assignment> -> <variable> “:=” (<or_expression> | INPUT) “;”
 <or_expression> -> <and_expression> { “|” <and_expression> }
 <and_expression> -> <comparison> { “&” <comparison> }
 <comparison> -> <expression> { (“<” | “>” | “<=” | “>=” | “=” | “!=”) <expression> }
 <expression> -> <term> { (“+” | “-”) <term> }
 <term> -> <factor> { (“*” | “/” | “%” | “**”) <factor> }
 <const> -> <INTEGER> | <FLOAT> | <CHAR>
 <INTEGER> -> [(+ | -)] <digit> { <digit> }
 <FLOAT> -> [(+ | -)] <digit> { <digit> } “.” <digit> { <digit> }
 <CHAR> -> “ ” . “ ”
 <conditions> -> “=” “ (“ <statements>) ” “!=” <statements> FINISH
 <loop> -> “{” <expression> “}” <statements> FINISH