

<program> ::= <statement>
<statement> ::= <title> "\n" <start> "\n"+ <variable>* <expression>* "\n" <res>? "\n" <end>
<title> ::= "PROGRAMA" " " " \"" <name> "\" ":"
<name> ::= [a-z]+
<start> ::= "INICIO"
<variable> ::= <variable_name> "=" (<value> | <expression>) "\n"*
<end> ::= "FIM"

<expression> ::= <term> | <expression> "+" <term> | <expression> "-" <term>
<term> ::= <factor> | <term> "*" <factor> | <term> "/" <factor>
<factor> ::= <digit> | <left_bracket> <expression> <right_bracket>
<digit> ::= <variable_name> | <value>

<left_bracket> ::= "("
<right_bracket> ::= ")"
<value> ::= [0-9]+
<variable_name> ::= ([a-z]+ | [A-Z]+)
<res> ::= "RES" " " <digit>