Gramática do Pascal Simplificado (LALG)

```
<PROGRAM> ::= "program" <IDENTIFIER> ";" <PROGRAM-BODY> "."
<PROGRAM-BODY> ::= <DECLARATION> "begin" <COMMANDS> "end"
<DECLARATION> ::= <CONSTANTS-DECLARATION> <VARIABLES-DECLARATION> <PROCEDURES-DECLARATION>
<CONSTANTS-DECLARATION> ::= "const" <IDENTIFIER> "=" <NUMBER> ";" <CONSTANTS-DECLARATION> | λ
<VARIABLES-DECLARATION> ::= "var" <VARIABLES> ":" <VARIABLES-TYPE> ";" <VARIABLES-DECLARATION> | λ
<VARIABLES> ::= <IDENTIFIER> <OTHER-VARIABLES>
<OTHER-VARIABLES> ::= "," <VARIABLES> | \lambda
<VARIABLES-TYPE> ::= "real" | "integer"
<PROCEDURES-DECLARATION> ::= "procedure" <IDENTIFIER> <PARAMETERS> ";"
                               < PROCEDURE-BODY> < PROCEDURES-DECLARATION> | \lambda |
<PARAMETERS> ::= "(" <PARAMETERS-LIST> ")" | λ
<PARAMETERS-LIST> ::= <VARIABLES> ":" <VARIABLES-TYPE> <OTHER-PARAMETERS>
<OTHER-PARAMETERS> ::= ";" <PARAMETERS-LIST> | λ
<PROCEDURE-BODY> ::= < LOCAL-DECLARATIONS> "begin" <COMMANDS> "end" ";"
<LOCAL-DECLARATIONS> ::= <VARIABLES-DECLARATION>
<ARGUMENTS-LIST> ::= "(" <ARGUMENTS> ")" | λ
<ARGUMENTS> ::= <IDENTIFIER> <OTHER-IDENTIFIERS>
<OTHER-IDENTIFIERS> ::= ";" <ARGUMENTS> | \lambda
<COMMANDS> ::= <COMMAND> ";" <COMMANDS> | \lambda |
<COMMAND> ::= "readin" "(" <VARIABLES> ")" |
                "writeln" "(" <VARIABLES> ")" |
                "repeat" <COMMANDS> "until" <CONDITION> |
                "while" "(" <CONDITION> ")" "do" <COMMANDS> |
                "if" <CONDITION> "then" <COMMAND> <FALSE-CONDITION> |
                <IDENTIFIER> ":=" <EXPRESSION> |
                <IDENTIFIER> <ARGUMENTS-LIST> |
                "begin" < COMMANDS > "end"
<CONDITION> ::= <EXPRESSION> <RELATION> <EXPRESSION>
<FALSE-CONDITION> ::= "else" <COMMAND> | \lambda
<RELATION> ::= "=" | "<>" | ">=" | "<=" | ">" | "<"
<EXPRESSION> ::= <TERM> <OTHER-TERMS>
<TERM> ::= <UNARY-OPERATOR> <FACTOR> <OTHER-FACTORS>
<UNARY-OPERATOR> ::= "+" | "-" | λ
<OTHER-TERMS> ::= <SUM-OPERATORS> <TERM> <OTHER-TERMS> | \lambda
<SUM-OPERATORS> ::= "+" | "-"
<OTHER-FACTORS> ::= <MULTIPLIER-OPERATORS> <FACTOR> <OTHER-FACTORS> | \lambda
<MULTIPLIER-OPERATORS> ::= "*" | "/"
<FACTOR> ::= <IDENTIFIER> | <NUMBER> | "(" <EXPRESSION> ")"
<NUMBER> ::= <INTEGER-NUMBER> | <REAL-NUMBER>
```