Quick - reguli sintactice

program ::= (**defVar** | **defFunc** | **block**)* FINISH
defVar ::= VAR ID COLON **baseType** SEMICOLON
baseType ::= TYPE_INT | TYPE_REAL | TYPE_STR
defFunc ::= FUNCTION ID LPAR **funcParams** RPAR COLON **baseType** **defVar*** **block** END
block ::= **instr**+
funcParams ::= (**funcParam** (COMMA **funcParam**)*)?
funcParam ::= ID COLON **baseType**
instr ::= **expr**? SEMICOLON
          | IF LPAR **expr** RPAR **block** (ELSE **block**)? END
          | RETURN **expr** SEMICOLON
          | WHILE LPAR **expr** RPAR **block** END
expr ::= **exprLogic**
exprLogic ::= **exprAssign** ((AND | OR) **exprAssign**)*
exprAssign ::= (ID ASSIGN)? **exprComp**
exprComp ::= **exprAdd** ((LESS | EQUAL) **exprAdd**)?
exprAdd ::= **exprMul** ((ADD | SUB) **exprMul**)*
exprMul ::= **exprPrefix** ((MUL | DIV) **exprPrefix**)*
exprPrefix ::= (SUB | NOT)? **factor**
factor ::= INT
          | REAL
          | STR
          | LPAR **expr** RPAR
          | ID (LPAR (**expr** (COMMA **expr**)*)? RPAR)?