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1.Language definition:
1.1.Alphabet
         a. Upper (A-Z) and lower case letters (a-z) of the English alphabet
         b. Underline character '_';
         c. Decimal digits (0-9);
1.2.Lexic
a. Special symbols, representing:
- operators:
         arithmetic: + - * /
         assignment: $
         relational: < > <= >=
         equality: ==
         inequality: !=
         boolean: !, &&, | |
- separators [ ] { } :; space
- reserved words:
         array char const do else if int for of program read then var while write
b.Identifiers
-a sequence of letters and digits, such that the first character is a letter; the rule is:
         identifier ::= letter {letter | digit}
         letter ::= "A" | "B" | . ..| "Z" | "a" | "b" | ... | "z"
         digit ::= "0" | "1" | ... | "9"
         sign ::= ["+" | "-"]
c.Constants
1.integer - rule:
         integer ::= zero | sign digit {(zero | digit)}
2.character
         char ::= letter | digit | special
         special ::= "-" | "+" | ";" | ...
3.string
         constchar ::=" ' " char " ' "
         string ::=char{string}
         conststring ::= " " " {char} " " "
1.3. Syntax:
The words - predefined tokens are specified between " and ":
Sintactical rules: (file Syntax.in)
         program ::= declist ";" cmpdstmt "."
         decllist ::= declaration | declaration ";" decllist
         declaration ::= identifier ":" type
         type1 ::= "bool" | "char" | "int" | "float"
         arraydecl ::= "array" "[" nr "]" "of" type1
         type ::= type1|arraydecl
         cmpdstmt ::= (stmtlist)
         stmtlist ::= stmt | stmt ";" stmtlist
         stmt ::= simplstmt | structstmt
         simplstmt ::= assignstmt | iostmt
         assignstmt ::= identifier "$" expression
         expression ::= expression "+" term | expression "-" term | term
         term ::= term "*" factor | term "//" factor | factor
         factor ::= "(" expression ")" | identifier | const
         instmt ::= "read" "(" identifier ")"
         outstmt ::= "print" "(" identifier ")"
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structstmt ::= cmpdstmt | ifstmt | whilestmt ifstmt ::= "if" "(" condition ")" ":" stmt ["else" stmt] whilestmt ::= "while" "(" condition ")" ":" stmt condition ::= expression RELATION expression RELATION ::= "<" | "<=" | "=" | "!=" | ">=" | ">=" | ">"