```
%right '!'
%left '<' SE NE BE '>' EE
%left '+' '-'
%left '*' '/' '%'
%right '='
```

left recursion of the expression

There is no syntactic error!

```
the grammer
                                                             var_decl : type identifier SEMICOLON
                                                              identifier : identifier COMMA identifier

10 array_decl

10 array_decl == init_array

10 '=' expres

10
  rogram : declaration_list decl_and_def_list
decl_and_def_list
                                                                                                                                                             simple : var_ref '=' expres SEMICOLON
| PRINT var_ref SEMICOLON
| PRINT expres SEMICOLON
| READ var_ref SEMICOLON
  ecland_def_list : decl_and_def_list const_decl
| decl_and_def_list var_decl
| decl_and_def_list func_decl
| decl_and_def_list func_def
| func_def
                                                                                                                                                             var_ref : ID
| ID arrays
                                                             array_decl : MLGUA INTT MRGUA array_decl | MLGUA INTT MRGUA
                                                                                                                                                            arrays : MLGUA expres MRGUA arrays
| MLGUA expres MRGUA
 init_array : BLGUA init_arrdecl BRGUA
                                                                                                                                                           type : INT| DOUBLE| BOOL| VOID| FLOAT| STRING
                                                             //const declaration const_decl : CONST type const_list SEMICOLON
 lit_const : INTT | FLOATT | SCI | STG
                                                             const_list : ID '=' lit_const COMMA const_list | ID '=' lit_const
 //function
func_decl : type ID LGUA formal RGUA SEMICOLON
|type ID LGUA RGUA SEMICOLON
 func_def : type ID LGUA formal RGUA compound
|type ID LGUA RGUA compound
                                                             statements : compound | simple | conditional | while | for | jump | procedure
  ormal : formal COMMA type ID formal COMMA type ID array_decl
                                                             compound : BLGUA ccontent BRGUA
| BLGUA BRGUA
  type ID
type ID array_decl
                                                                                                                                                                      | FALSE
| LGUA expres RGUA
                                                             /variable declaration
ar_decl : type identifier SEMICOLON
  dentifier : identifier COMMA identifier
ID array_decl
ID array_decl '=' init_array
ID '=' expres
                                                                                                                                                            conditional : IF LGUA expres RGUA compound ELSE compound | IF LGUA expres RGUA compound
  conditional : IF LGUA expres RGUA compound ELSE compound IF LGUA expres RGUA compound
 while : WHILE LGUA expres RGUA compound
| DO compound WHILE LGUA expres RGUA SEMICOLON
 jump : RETURN expres SEMICOLON
| BREAK SEMICOLON
| CONTINUE SEMICOLON
  /procedure
 procedure : ID LGUA RGUA
|ID LGUA pro_cont RGUA
 pro_cont : pro_cont COMMA expres
linux1 [/u/cs/103/0316219/compiler2] -yslin0816- % make
yacc -d -v yacctemplate.y
yacctemplate.y: warning: 3 shift/reduce conflicts [-Wconflicts-sr]
lex lextemplate.l
gcc -o parser lex.yy.c y.tab.c -ly -lfl -lbsd
linux1 [/u/cs/103/0316219/compiler2] -yslin0816- % ./parser general1.cm
```