Conflicts

syntax.output

```
Terminals unused in grammar

    T_COMM
    T_INOP
    T_EQU
    T_MULDIVANDOP
    NO_ELSE


State 101 conflicts: 4 shift/reduce
State 102 conflicts: 4 shift/reduce
State 149 conflicts: 4 shift/reduce
State 150 conflicts: 7 shift/reduce
State 151 conflicts: 4 shift/reduce
State 152 conflicts: 4 shift/reduce
State 153 conflicts: 7 shift/reduce
State 154 conflicts: 7 shift/reduce
State 155 conflicts: 7 shift/reduce


Grammar

    0 $accept: program T_EOF

    1 program: body T_END subprograms

    2 body: declarations statements

    3 declarations: declarations type vars
```

```
State 101

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression
   71           | T_NOTOP expression •

    T_ANDOP    shift, and go to state 109
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_ANDOP    [reduce using rule 71 (expression)]
    T_MULOP    [reduce using rule 71 (expression)]
    T_DIVOP    [reduce using rule 71 (expression)]
    T_POWEROP  [reduce using rule 71 (expression)]
    $default   reduce using rule 71 (expression)
```

```
State 102

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression
   72           | T_ADDOP expression •

    T_ANDOP    shift, and go to state 109
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_ANDOP    [reduce using rule 72 (expression)]
    T_MULOP    [reduce using rule 72 (expression)]
    T_DIVOP    [reduce using rule 72 (expression)]
    T_POWEROP  [reduce using rule 72 (expression)]
    $default   reduce using rule 72 (expression)
```

```
State 149

   64 expression: expression • T_OROP expression
   64           | expression T_OROP expression •
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression

    T_ANDOP    shift, and go to state 109
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_ANDOP    [reduce using rule 64 (expression)]
    T_MULOP    [reduce using rule 64 (expression)]
    T_DIVOP    [reduce using rule 64 (expression)]
    T_POWEROP  [reduce using rule 64 (expression)]
    $default   reduce using rule 64 (expression)
```

```
State 150

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   65           | expression T_ANDOP expression •
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression

    T_OROP     shift, and go to state 108
    T_ANDOP    shift, and go to state 109
    T_RELOP    shift, and go to state 110
    T_ADDOP    shift, and go to state 111
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_OROP     [reduce using rule 65 (expression)]
    T_ANDOP    [reduce using rule 65 (expression)]
    T_RELOP    [reduce using rule 65 (expression)]
    T_ADDOP    [reduce using rule 65 (expression)]
    T_MULOP    [reduce using rule 65 (expression)]
    T_DIVOP    [reduce using rule 65 (expression)]
    T_POWEROP  [reduce using rule 65 (expression)]
    $default   reduce using rule 65 (expression)
```

```
State 151

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   66           | expression T_RELOP expression •
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression

    T_OROP     shift, and go to state 108
    T_ANDOP    shift, and go to state 109
    T_ADDOP    shift, and go to state 111
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_RELOP  error (nonassociative)

    T_ANDOP    [reduce using rule 66 (expression)]
    T_MULOP    [reduce using rule 66 (expression)]
    T_DIVOP    [reduce using rule 66 (expression)]
    T_POWEROP  [reduce using rule 66 (expression)]
    $default   reduce using rule 66 (expression)
```

```
State 152

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   67           | expression T_ADDOP expression •
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression

    T_ANDOP    shift, and go to state 109
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_ANDOP    [reduce using rule 67 (expression)]
    T_MULOP    [reduce using rule 67 (expression)]
    T_DIVOP    [reduce using rule 67 (expression)]
    T_POWEROP  [reduce using rule 67 (expression)]
    $default   reduce using rule 67 (expression)
```

```
State 153

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   68           | expression T_MULOP expression •
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression

    T_OROP     shift, and go to state 108
    T_ANDOP    shift, and go to state 109
    T_RELOP    shift, and go to state 110
    T_ADDOP    shift, and go to state 111
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_OROP     [reduce using rule 68 (expression)]
    T_ANDOP    [reduce using rule 68 (expression)]
    T_RELOP    [reduce using rule 68 (expression)]
    T_ADDOP    [reduce using rule 68 (expression)]
    T_MULOP    [reduce using rule 68 (expression)]
    T_DIVOP    [reduce using rule 68 (expression)]
    T_POWEROP  [reduce using rule 68 (expression)]
    $default   reduce using rule 68 (expression)
```

```
State 154

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   69           | expression T_DIVOP expression •
   70           | expression • T_POWEROP expression

    T_OROP     shift, and go to state 108
    T_ANDOP    shift, and go to state 109
    T_RELOP    shift, and go to state 110
    T_ADDOP    shift, and go to state 111
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_OROP     [reduce using rule 69 (expression)]
    T_ANDOP    [reduce using rule 69 (expression)]
    T_RELOP    [reduce using rule 69 (expression)]
    T_ADDOP    [reduce using rule 69 (expression)]
    T_MULOP    [reduce using rule 69 (expression)]
    T_DIVOP    [reduce using rule 69 (expression)]
    T_POWEROP  [reduce using rule 69 (expression)]
    $default   reduce using rule 69 (expression)
```

```
State 155

   64 expression: expression • T_OROP expression
   65           | expression • T_ANDOP expression
   66           | expression • T_RELOP expression
   67           | expression • T_ADDOP expression
   68           | expression • T_MULOP expression
   69           | expression • T_DIVOP expression
   70           | expression • T_POWEROP expression
   70           | expression T_POWEROP expression •

    T_OROP     shift, and go to state 108
    T_ANDOP    shift, and go to state 109
    T_RELOP    shift, and go to state 110
    T_ADDOP    shift, and go to state 111
    T_MULOP    shift, and go to state 112
    T_DIVOP    shift, and go to state 113
    T_POWEROP  shift, and go to state 114

    T_OROP     [reduce using rule 70 (expression)]
    T_ANDOP    [reduce using rule 70 (expression)]
    T_RELOP    [reduce using rule 70 (expression)]
    T_ADDOP    [reduce using rule 70 (expression)]
    T_MULOP    [reduce using rule 70 (expression)]
    T_DIVOP    [reduce using rule 70 (expression)]
    T_POWEROP  [reduce using rule 70 (expression)]
    $default   reduce using rule 70 (expression)
```

Όλες οι συγκρούσεις λύθηκαν χρησιμοποιώντας προτεραιότητα και προσαρμοστικότητα.

```
%left T_OROP T_ANDOP
%left T_RELOP

%left T_ADDOP T_MULOP T_DIVOP T_POWEROP T_NOTOP
```