RPAL's Phrase Structure Grammar:

```
-> 'let' D 'in' E
                                       => 'let'
                                       => 'lambda'
    -> 'fn' Vb+ '.' E
    -> Ew;
   -> T 'where' Dr
                                       => 'where'
F:w
    -> T;
Т
   -> Ta ( ',' Ta )+
                                       => 'tau'
    -> Ta ;
   -> Ta 'aug' Tc
                                       => 'auq'
   -> Tc ;
   -> B '->' Tc '|' Tc
                                       => '->'
TC
    -> B ;
-> B 'or' Bt
                                       => 'or'
В
    -> Bt ;
  -> Bt '&' Bs
                                       => '&'
Rt
   -> Bs ;
   -> 'not' Bp
                                       => 'not'
Bs
   -> Bp ;
   -> A ('gr' | '>') A
-> A ('ge' | '>=') A
-> A ('ls' | '<') A
-> A ('le' | '<=') A
                                       => 'gr'
Вр
                                       => 'ge'
                                       => 'ls'
                                       => 'le'
    -> A 'eq' A
-> A 'ne' A
                                       => 'eq'
                                       => 'ne'
-> A '+' At
    -> A '-' At
                                       => '-'
    -> '+' At
-> '-' At
                                       => 'neq'
   -> At ;
-> At '*' Af
                                       => ' * '
Αt
    -> At '/' Af
                                       => '/'
    -> Af ;
    -> Ap '**' Af
                                       => '**'
Αf
   -> Ap ;
   -> Ap '@' '<IDENTIFIER>' R
                                       => '@'
Αр
    -> R ;
R
   -> R Rn
                                       => 'gamma'
   -> Rn ;
   -> '<IDENTIFIER>'
   -> '<INTEGER>'
    -> '<STRING>'
    -> 'true'
                                       => 'true'
    -> 'false'
                                       => 'false'
    -> 'nil'
                                       => 'nil'
    -> '(' E ')'
    -> 'dummy'
                                       => 'dummy';
```

```
-> Da 'within' D
                                 => 'within'
   -> Da ;
Da -> Dr ( 'and' Dr )+
-> Dr ;
                                 => 'and'
Dr -> 'rec' Db
                                 => 'rec'
-> Db ;
Db -> V1 '=' E
                                 => '='
   -> '<IDENTIFIER>' Vb+ '=' E
                                 => 'fcn form'
   -> '(' D ')' ;
-> '<IDENTIFIER>'
   -> '(' Vl ')'
                                 => '()';
Vl -> '<IDENTIFIER>' list ','
                                 => ','?;
```