

| | | |
|----------------------|--------|---|
| RECORD | record | - |
| ID | #po110 | |
| curly_brace_left | { | - |
| INT | int | - |
| ID | #xx111 | |
| comma | , | - |
| ID | #yy112 | |
| semicolon | ; | - |
| curly_brace_right | } | - |
| RECORD | record | - |
| ID | #li113 | |
| curly_brace_left | { | - |
| ID | #po114 | |
| ID | #xx115 | |
| comma | , | - |
| ID | #yy116 | |
| semicolon | ; | - |
| curly_brace_right | } | - |
| INT | int | - |
| ID | #at117 | |
| parenthesis_left | (| - |
| INT | int | - |
| ID | #ba128 | |
| comma | , | - |
| ID | #ca239 | |
| square_bracket_left | [| - |
| square_bracket_right |] | - |
| semicolon | ; | - |
| BOOL | bool | - |

ID #do4310
 comma , -
 ID #el3211
 semicolon ; -
 INT int -
 ID #fo1212
 parenthesis_right) -
 curly_brace_left { -
 INT int -
 ID #gn1113
 comma , -
 ID #ho1214
 square_bracket_left [-
 NUMCONST 100 -
 square_bracket_right] -
 semicolon ; -
 ID #po1115
 ID #aP1116
 semicolon ; -
 ID #li1117
 ID #aL1118
 semicolon ; -
 ID #li1119
 ID #tw3320
 square_bracket_left [-
 NUMCONST 2 -
 square_bracket_right] -
 semicolon ; -
 ID #aP1121

dot . -
ID #xx1122
assignment = -
NUMCONST 666 -
semicolon ; -
ID #aP1123
dot . -
ID #yy1124
assignment = -
NUMCONST 667 -
semicolon ; -
ID #aL1125
dot . -
ID #xx1126
dot . -
ID #xx1127
assignment = -
NUMCONST 1 -
semicolon ; -
ID #aL1128
dot . -
ID #xx1129
dot . -
ID #yy1130
assignment = -
NUMCONST 2 -
semicolon ; -
ID #aL1131
dot . -

ID #yy1132
dot . -
ID #xx1133
assignment = -
NUMCONST 3 -
semicolon ; -
ID #aL1134
dot . -
ID #yy1135
dot . -
ID #yy1136
assignment = -
NUMCONST 4 -
semicolon ; -
ID #tw3337
square_bracket_left [-
NUMCONST 0 -
square_bracket_right] -
dot . -
ID #xx1138
dot . -
ID #xx1139
assignment = -
NUMCONST 42 -
semicolon ; -
ID #tw3340
square_bracket_left [-
NUMCONST 1 -
square_bracket_right] -

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dot      .      -
ID      #yy1141
dot      .      -
ID      #xx1142
assignment  =      -
NUMCONST  43      -
semicolon  ;      -
ID      #gn1143
assignment  =      -
ID      #ho1244
square_bracket_left  [      -
NUMCONST  2      -
square_bracket_right ]      -
assignment  =      -
NUMCONST  3      -
multiply    *      -
multiply    *      -
ID      #ca2345
semicolon  ;      -
comment    // hog is 3 times the size of array passed to cat -
IF      if      -
parenthesis_left      (      -
ID      #do4346
AND      and      -
ID      #el3247
OR      or      -
ID      #ba1248
greater_than .gt      -
ID      #ca2349

```

| | | |
|----------------------|---------|---|
| square_bracket_left | [| - |
| NUMCONST | 3 | - |
| square_bracket_right |] | - |
| parenthesis_right |) | - |
| ID | #do4350 | |
| assignment | = | - |
| NOT | not | - |
| ID | #do4351 | |
| semicolon | ; | - |
| ELSE | else | - |
| ID | #fo1252 | |
| plus | + | - |
| plus | + | - |
| semicolon | ; | - |
| IF | if | - |
| parenthesis_left | (| - |
| ID | #ba1253 | |
| less_equal | .le | - |
| ID | #fo1254 | |
| parenthesis_right |) | - |
| curly_brace_left | { | - |
| WHILE | while | - |
| parenthesis_left | (| - |
| ID | #do4355 | |
| parenthesis_right |) | - |
| curly_brace_left | { | - |
| Static | static | - |
| INT | int | - |
| ID | #ho1256 | |

```

semicolon      ;      -
comment        // hog in new scope  -
ID             #ho1257
assignment     =      -
ID             #fo1258
semicolon      ;      -
ID             #do4359
assignment     =      -
ID             #fr7760
parenthesis_left (      -
ID             #fo1261
plus          +      -
plus          +      -
comma         ,      -
ID             #ca2362
parenthesis_right )      -
less_than     .lt     -
NUMCONST      666     -
semicolon      ;      -
IF            if      -
parenthesis_left (      -
ID             #ho1263
greater_than  .gt     -
ID             #ba1264
parenthesis_right )      -
BREAK break   -
semicolon      ;      -
ELSE          else    -
IF            if      -

```

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parenthesis_left      (      -
ID      #fo1265
not_equal      .ne      -
NUMCONST      0      -
parenthesis_right     )      -
ID      #fo1266
plus_assign      +=      -
NUMCONST      7      -
semicolon      ;      -
curly_brace_right    }      -
curly_brace_right    }      -
RETURN      return      -
parenthesis_left      (      -
ID      #fo1267
plus      +      -
ID      #ba1268
multiply      *      -
ID      #ca2369
square_bracket_left  [      -
ID      #ba1270
square_bracket_right ]      -
parenthesis_right     )      -
division/          -
minus      -          -
ID      #fo1271
semicolon      ;      -
curly_brace_right    }      -
REAL      real      -
ID      #qo6472

```



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parenthesis_left      (      -
INT      int      -
ID      #jh7673
parenthesis_right     )      -
curly_brace_left      {      -
REAL      real      -
ID      #rt6274
assignment      =      -
Real_const      0.0      -
semicolon      ;      -
REAL      real      -
ID      #we1275
assignment      =      -
Real_const      1.62      -
semicolon      ;      -
RETURN      return      -
ID      #we1276
semicolon      ;      -
curly_brace_right     }      -
comment      // note that functions are defined using a statement      -
INT      int      -
ID      #ma1177
parenthesis_left      (      -
INT      int      -
ID      #aa1178
comma ,      -
ID      #bb1179
parenthesis_right     )      -
IF      if      -

```

parenthesis_left (-

ID #aa1180

illegal character

ID #bb1181

parenthesis_right) -

RETURN return -

ID #aa1182

semicolon ; -

ELSE else -

RETURN return -

ID #bb1183

semicolon ; -