```
cprogram> -> begin <stmt_list> end
<stmt_list> -> <stmt>
             I <stmt> <stmt_list>
<stmt> -> <assign stmt>
        I <comment_stmt>
        I <def_stmt>
<def_stmt> -> <data_types> <identifiers>
<data_types> -> FLOAT
                    I BOOLEAN
                    IINTEGER
                    I WIDTH
                    I HEIGHT
                    I STROKE_WIDTH
                    I DEF_WIDTH
                    I DEF_HEIGHT
                    I RECTANGLE
                    I LINE
                    I OVAL
                    I COMPOSITE_SHAPE
                    I SHAPE
                    I PARAMETER
                    I LOCATION
                    I COLOR
                    ISET
                    I DIRECTION
                    I IDENTIFIER
<identifiers> -> <identifier>
             I <identifier> <assign_stmt>
<assign_stmt> -> '=' '(' ')'
                    I '=' '(' IDENTIFIER ')'
                    I '=' '(' IDENTIFIER', 'IDENTIFIER', 'IDENTIFIER ')'
                    I '=' '(' IDENTIFIER', 'IDENTIFIER', 'IDENTIFIER')'
                    I '=' '(' INTEGER', 'INTEGER')'
                    I '=' '(' IDENTIFIER','IDENTIFIER','IDENTIFIER','BOOLEAN','INTEGER ')'
                    I '=' '{' INTEGER','INTEGER',' INTEGER','INTEGER'}'
                    I '=' '{'IDENTIFIER','IDENTIFIER','IDENTIFIER ','IDENTIFIER '}'
                    I '=' '('INTEGER','INTEGER','INTEGER','FLOAT ')'
<logic stmt> -> < expr >
          I <expr> <logical_op>
          I <expr> <logical_op> <expr>
<comment_stmt> -> '/' '/' <stmt_list>
<expr> -> IDENTIFIER
              I WIDTH
```

- **I HEIGHT**
- I STROKE\_WIDTH
- I DEF\_WIDTH
  I DEF\_HEIGHT
- I RECTANGLE
- I LINE
- I OVAL
- I COMPOSITE\_SHAPE
- I SHAPE
- I PARAMETER
- I LOCATION
- I COLOR
- **ISET**
- I DIRECTION

<logical\_ op> -> '==' | '!=' | '<' | '>' | '<=' | '>=' | 'and' | 'or' | '->' | '\*' | '!' | '!'