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//=====
// simple grammar for describing a sequence of colored shapes to draw
//=====
start: (_statement | comment)*

//=====
// main language
//=====
_statement:      (color | _shape) SPECIAL_COLON
color:           KW_COLOR CONST_COLOR
_shape:         (rect | line | polyline | polygon)
rect:           KW_RECT (point ~ 2)
line:           KW_LINE point point
polyline:       KW_PL   point+
polygon:       KW_PG   point+
point:         DELIM_LP NUM_FLOAT DELIM_COMMA NUM_FLOAT DELIM_RP

KW_COLOR:       "color"
CONST_COLOR:   /red|orange|yellow|green|blue|purple/
KW_RECT:       "rect"
KW_LINE:       "line"
KW_PL:          "polyline"
KW_PG:          "polygon"
NUM_FLOAT:     "0".. "9" /(\.\d+)?/
SPECIAL_COLON: ";"
DELIM_LP:      "("
DELIM_RP:      ")"
DELIM_COMMA:   ","

//=====
// comments
//=====
comment :        COMMENT_LINE | comment_block
comment_block:  ISTART_COMMENT_BLOCK COMMENT_INNER* END_COMMENT_BLOCK

COMMENT_INNER:  /[^\*\]\]|\\*[^*\]\]| [^\*]\*\//
COMMENT_LINE:   /#.* /
ISTART_COMMENT_BLOCK: "/*"
END_COMMENT_BLOCK:  "*/"

//=====
// whitespace
//=====
%ignore WHITESPACE
WHITESPACE: /[\s\n\r]+/

```