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1. [Initialize]
   POS ← 0
2. [Get first character]
   If not LOOKAHEAD
   then CHAR ← GET_CHAR(PROGRAM)
   LOOKAHEAD ← false
3. [Loop until a token is found]
   Repeat step 4 while true
4. [Case statement to determine next token]
   Select by (CHAR)
   Case ' ':
                                     (scan and ignore blanks)
       CHAR ← GET_CHAR(PROGRAM)
   Case '/':
       CHAR ← GET_CHAR(PROGRAM)
       If CHAR = '*'
                                     (scan and ignore comments)
       then Repeat while true
           CHAR ← GET_CHAR(PROGRAM)
           If CHAR = '*'
           then Repeat while CHAR = '*'
               CHAR ← GET_CHAR(PROGRAM)
           If CHAR = '/'
           then CHAR ← GET_CHAR(PROGRAM)
           Exit loop
       else LOOKAHEAD ← true
           TOKEN ← DIVISION
                                     (/)
           Return
   Case '<':
       CHAR ← GET_CHAR(PROGRAM)
       If CHAR = '='
       then TOKEN ← LEQ
                                     (<=)
       else If CHAR = '>'
           then TOKEN ← NEQ
                                     (< >)
           else LOOKAHEAD ← true
               TOKEN ← LTN
                                     (<)
       Return
   Case '>':
       CHAR ← GET_CHAR(PROGRAM)
       If CHAR = '='
       then TOKEN ← GEQ
                                     (>=)
       else LOOKAHEAD ← true
           TOKEN ← GTN
                                     (>)
       Return
   Case '=':
                                     (=)

```

Case - .

(-)

TOKEN ← EQ

Return