# Mnemonics Listing

|  |  |  |
| --- | --- | --- |
| **Token Name** | **Token Code** | **Mnemonic** |
| GOTO | 0 | GOTO |
| INTEGER | 1 | \_INT |
| TO | 2 | \_\_TO |
| DO | 3 | \_\_DO |
| IF | 4 | \_\_IF |
| THEN | 5 | THEN |
| ELSE | 6 | ELSE |
| FOR | 7 | \_FOR |
| OF | 8 | \_\_OF |
| WRITELN | 9 | WTLN |
| READLN | 10 | RDLN |
| BEGIN | 11 | \_BEG |
| END | 12 | \_END |
| VAR | 13 | \_VAR |
| WHILE | 14 | WHIL |
| UNIT | 15 | UNIT |
| LABEL | 16 | LABL |
| REPEAT | 17 | REPT |
| UNTIL | 18 | UNTL |
| PROCEDURE | 19 | PROC |
| DOWNTO | 20 | DOWN |
| FUNCTION | 21 | FUNC |
| RETURN | 22 | RTRN |
| REAL | 23 | REAL |
| STRING | 24 | \_STR |
| ARRAY | 25 | ARRY |
| / | 30 | \_DIV |
| \* | 31 | \_MUL |
| + | 32 | \_ADD |
| - | 33 | \_SUB |
| ( | 34 | LPAR |
| ) | 35 | RPAR |
| ; | 36 | SEMI |
| := | 37 | ASGN |
| > | 38 | \_\_GT |
| < | 39 | \_\_LT |
| >= | 40 | GTEQ |
| <= | 41 | LTEQ |
| = | 42 | \_\_EQ |
| <> | 43 | NTEQ |
| , | 44 | COMM |
| [ | 45 | LBRC |
| ] | 46 | RBRC |
| : | 47 | COLN |
| . | 48 | \_DOT |
| IDENTIFIER | 50 | IDNT |
| INTEGER CONSTANT | 51 | INTC |
| FLOATING-POINT CONSTANT | 52 | FLTC |
| STRING CONSTANT | 53 | STRC |
| UNDEFINED | 99 | UNDF |

# DFA State Diagram

Diagram

Description automatically generated