



LEGEND

- S - start state
- * - reduction state
- double circle - final state
- double circle with * - reduction state

find-token() - based on the lexeme, look it up in the token table for an appropriate match, if no match is found, the lexeme is returned as ID.

Pattern	Token
integer	INTEGER
real	REAL
boolean	BOOLEAN
array	ARRAY
start	START
end	END
declare	DECLARE
module	MODULE
driver	DRIVER
program	PROGRAM
get-value	GET-VALUE
print	PRINT
use	USE
with	WITH
parameters	PARAMETERS
takes	TAKES
input	INPUT
returns	RETURNS
for	FOR
in	IN

Pattern	Token
switch	SWITCH
case	CASE
break	BREAK
default	DEFAULT
while	WHILE
and	AND
or	OR
true	TRUE
false	FALSE

for every other input character encountered, send the control to a trap state.

return() - send the control back to the start state without tokenizing as ID.