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$\Sigma = \{[a-z], [1-9], [0-9], a, [L \setminus \{h\} l r], :, =, +\}$

$id \rightarrow ([a-z])^+$

$ent \rightarrow ([1-9]([0-9])^* | 0)$

$real \rightarrow ([1-9]([0-9])^* | 0) \cdot ([0-9])^*$

$esp \rightarrow ([L \setminus \{h\} l r])^+$

$op \rightarrow ([:]=|+)$

$cerodra - E = \{ ([a-z])^+$

$\cdot ([1-9]([0-9])^* | 0)$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^*$

$\cdot ([L \setminus \{h\} l r])^+$

$\cdot ([:]=|+)^3 \}$

$= \{ ([a-z])^+$

$\cdot ([1-9]([0-9])^* | 0)$

$\cdot ([1-9]([0-9])^* | 0)$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^*$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^*$

$\cdot ([L \setminus \{h\} l r])^+$

$\cdot ([:]=|+)$

$\cdot ([:]=|+)^3 \} = q_0$

$goto(q_0, [a-z]) = \{ ([a-z])^+$

$\cdot ([a-z])^+ \cdot \} = q_1$ *Acceptación*

$goto(q_0, [1-9]) = \{ ([1-9]([0-9])^* | 0)$

$\cdot ([1-9]([0-9])^* | 0) \cdot$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^*$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \} = q_2$ *Acceptación*

$goto(q_0, [0-9]) = \emptyset$

$goto(q_0, 0) = \{ ([1-9]([0-9])^* | 0) \cdot$

$\cdot ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \} = q_3$ *Acceptación*

$goto(q_0, :) = \emptyset$

$goto(q_0, [L \setminus \{h\} l r]) = \{ ([L \setminus \{h\} l r])^+$

$\cdot ([L \setminus \{h\} l r])^+ \cdot \} = q_4$ *Acceptación*

$goto(q_0, :) = \{ ([:]=|+)^3 \} = q_5$

$goto(q_0, =) = \emptyset$

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simon's algorithm

$\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32\}$

$$\text{goto}(q_0, +) = \{ (i: i = 1+) \} \cdot \{ = q_6 \quad \text{Acceptation}$$

$$\text{goto}(q_1, [a-z]) = \{ (\cdot [a-z])^+ ([a-z])^+ \} \cdot \{ = q_1$$

$$\text{goto}(q_1, [1-9]) = \text{goto}(q_1, [0-9]) = \text{goto}(q_1, 0) = \text{goto}(q_1, \cdot) = \text{goto}([L \backslash h \backslash v \backslash r]) = \text{goto}(q_1, :) = \text{goto}(q_1, =) = \text{goto}(q_1, +) = \emptyset$$

$$\text{goto}(q_2, [0-9]) = \{ ([1-9]([0-9])^* | 0) ([1-9]([0-9])^* | 0) ([1-9]([0-9])^* | 0) ([0-9])^* ([1-9]([0-9])^* | 0) ([0-9])^* \} \cdot \{ = q_2$$

$$\text{goto}(q_2, [a-z]) = \text{goto}(q_2, [1-9]) = \text{goto}(q_2, 0) = \emptyset$$

$$\text{goto}(q_2, \cdot) = \{ ([1-9]([0-9])^* | 0) ([0-9])^* ([1-9]([0-9])^* | 0) ([0-9])^* \} \cdot \{ = q_7 \quad \text{Acceptation}$$

$$\text{goto}(q_2, [L \backslash h \backslash v \backslash r]) = \text{goto}(q_2, :) = \text{goto}(q_2, =) = \text{goto}(q_2, +) = \emptyset$$

$$\text{goto}(q_3, [a-z]) = \text{goto}(q_3, [1-9]) = \text{goto}(q_3, [0-9]) = \text{goto}(q_3, 0) = \emptyset$$

$$\text{goto}(q_3, \cdot) = \{ ([1-9]([0-9])^* | 0) ([0-9])^* ([1-9]([0-9])^* | 0) ([0-9])^* \} \cdot \{ = q_7$$

$$\text{goto}(q_3, [L \backslash h \backslash v \backslash r]) = \text{goto}(q_3, :) = \text{goto}(q_3, =) = \text{goto}(q_3, +) = \emptyset$$

$$\text{goto}(q_4, [a-z]) = \text{goto}(q_4, [1-9]) = \text{goto}(q_4, [0-9]) = \text{goto}(q_4, 0) = \text{goto}(q_4, \cdot) = \emptyset$$

$$\text{goto}(q_4, [L \backslash h \backslash v \backslash r]) = \{ (\cdot [L \backslash h \backslash v \backslash r])^+ ([L \backslash h \backslash v \backslash r])^+ \} \cdot \{ = q_4$$

$$\text{goto}(q_4, :) = \text{goto}(q_4, =) = \text{goto}(q_4, +) = \emptyset$$

$$\text{goto}(q_5, [a-z]) = \text{goto}(q_5, [1-9]) = \text{goto}(q_5, [0-9]) = \text{goto}(q_5, 0) = \text{goto}(q_5, \cdot) = \text{goto}(q_5, =) = \text{goto}(q_5, +) = \emptyset$$

$$\text{goto}(q_5, :) = \{ (i: i = 1+) \} \cdot \{ = q_8$$

$$\text{goto}(q_5, =) = \text{goto}(q_5, +) = \emptyset$$

$$\text{goto}(q_6, [a-z]) = \text{goto}(q_6, [1-9]) = \text{goto}(q_6, [0-9]) = \text{goto}(q_6, 0) = \text{goto}(q_6, \cdot) = \text{goto}(q_6, =) = \text{goto}(q_6, +) = \emptyset$$

$$\text{goto}(q_7, [a-z]) = \text{goto}(q_7, [1-9]) = \emptyset$$

$$\text{goal}(C_7, [0, 9]) = \{([1, 9], [0, 9])^*, (0), ([0, 9])^*\}$$

$$g_{\text{act}}(q, t) = \phi$$

$$\{(1-9)(10-9)^* \mid 0\} \cup \{(10-9)^* \mid 0\} = 97$$

$$g_{\text{auto}}(q_7, [1, 4]) = g_{\text{auto}}(q_7, \cdot) = g_{\text{auto}}(q_7, \emptyset) = g_{\text{auto}}(q_7, [\text{W} + \text{H} | \text{nr}]) = g_{\text{auto}}(q_7, \cup) = g_{\text{auto}}(q_7, \cdot) = \emptyset$$

$$g \circ \tau_0 (q_3, [q - 2]) = g \circ \tau_0 (q_3, [1 - 1]) = g \circ \tau_0 (q_3, [0 - 1]) = g \circ \tau_0 (q_3, 0) =$$

$$\models_{\mathcal{G}} \text{goal}(q_2, i) = \text{goal}(q_2, \perp \vee \text{true} \vee \text{true}) = \text{goal}(q_2, \perp) = \text{goal}(q_2, \text{true}) = \text{true}$$

$$g_{\text{total}}(q, z) = \{C(1+z)\}^3 = 9.6$$

Tabla de transiciones

[illegible]

¿Se puede inhibir?

[illegible]

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

Automata Finito Determinista

