

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

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

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

$$exp \rightarrow ([\wedge | t | n | v | r])^+ \quad pop \rightarrow ::= | +$$

$$C - \{ \{ \dots \} \} = \{ \cdot [a-z]^+$$

$$([0-9]([0-9])^* | 0)$$

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

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

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

$$([\wedge | t | n | v | r])^+$$

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

$$(\cdot ::= | +) \} = \{ \cdot$$

$$goto(q_0, [a-z]) = \{ [a-z]^+ \cdot, \cdot [a-z]^+ \} = q_1$$

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

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

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

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

$$goto(q_0, [\wedge | t | n | v | r]) = \{ ([\wedge | t | n | v | r])^+ \cdot$$

$$([\wedge | t | n | v | r])^+ \} = q_4$$

$$\text{goto}(q_0, :) = \{ : \cdot := | + \} = q_5$$

$$\text{goto}(q_0, +) = \{ : \cdot := | + \cdot \} = q_6$$

$$\begin{aligned} \text{goto}(q_2, [0-9]) = & \{ ([1-9]([0-9])^* | 0) \\ & ([1-9]([0-9])^* | 0) \\ & ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \\ & ([1-9] \cdot ([0-9])^* | 0) \cdot ([0-9])^* \} = q_7 \end{aligned}$$

$$\text{goto}(q_3, \cdot) = \{ ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \} = q_8$$

$$\text{goto}(q_5, [:]) = \{ : \cdot := | + \} = q_9$$

$$\begin{aligned} \text{goto}(q_6, [0-9]) = & \{ ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \\ & ([1-9]([0-9])^* | 0) \cdot ([0-9])^* \} = q_{10} \end{aligned}$$

$$\text{goto}(q_9, =) = \{ : \cdot := | + \} = q_{11}$$

