

$$G = \langle \{E\}, \{+, \times, \text{var}, \text{const}, (,)\}, P, E \rangle$$

Símbolo	Atributo	Tipo de atributo	Tipo de valor
E	exp	sintetizado	string
E	val	sintetizado	int \perp (nullable int)

$$P: \quad E \rightarrow E_1 + E_2 \quad \left\{ \begin{array}{l} E.\text{exp} = (E_1.\text{val} = \perp \vee E_2.\text{val} = \perp) \\ \quad ? \quad E_1.\text{exp} + "+" + E_2.\text{exp} \\ \quad : \quad \text{aString}(E_1.\text{val} + E_2.\text{val}) \\ E.\text{val} = (E_1.\text{val} = \perp \vee E_2.\text{val} = \perp) \\ \quad ? \quad \perp \\ \quad : \quad E_1.\text{val} + E_2.\text{val} \end{array} \right\}$$

$$| \quad E_1 \times E_2 \quad \left\{ \begin{array}{l} E.\text{exp} = (E_1.\text{val} = \perp \vee E_2.\text{val} = \perp) \\ \quad ? \quad E_1.\text{exp} + "x" + E_2.\text{exp} \\ \quad : \quad \text{aString}(E_1.\text{val} \times E_2.\text{val}) \\ E.\text{val} = (E_1.\text{val} = \perp \vee E_2.\text{val} = \perp) \\ \quad ? \quad \perp \\ \quad : \quad E_1.\text{val} \times E_2.\text{val} \end{array} \right\}$$

$$| \quad \text{var} \quad \{E.\text{exp} = \text{var}.\text{text}, E.\text{val} = \perp\}$$

$$| \quad \text{const} \quad \{E.\text{exp} = \text{aString}(\text{const}.\text{val}), E.\text{val} = \text{const}.\text{val}\}$$

$$| \quad (E_1) \quad \{E.\text{exp} = "(" + E_1.\text{exp} + ")", E.\text{val} = E_1.\text{val}\}$$