

$$\begin{aligned}
 1) \quad & A = B + \langle \text{term} \rangle * \langle \text{factor} \rangle \\
 & A = B + \langle \text{factor} \rangle + \langle \text{factor} \rangle \\
 & A = B + \langle \text{id} \rangle * \langle \text{factor} \rangle \\
 & A = B + C * \langle \text{factor} \rangle \\
 & A = B + C * \langle \text{id} \rangle \\
 & A = B + C * A
 \end{aligned}$$

RMD

$$\begin{aligned}
 \langle \text{assign} \rangle &\rightarrow \langle \text{id} \rangle = \langle \text{expr} \rangle \\
 \langle \text{id} \rangle &= \langle \text{expr} \rangle + \langle \text{term} \rangle \\
 \langle \text{id} \rangle &= \langle \text{expr} \rangle + \langle \text{term} \rangle * \langle \text{factor} \rangle \\
 \langle \text{id} \rangle &= \langle \text{expr} \rangle * \langle \text{term} \rangle * \langle \text{id} \rangle \\
 \langle \text{id} \rangle &= \langle \text{expr} \rangle + \langle \text{term} \rangle * A \\
 \langle \text{id} \rangle &= \langle \text{expr} \rangle + \langle \text{factor} \rangle * A \\
 \langle \text{id} \rangle &= \langle \text{factor} \rangle + C * A \\
 \langle \text{id} \rangle &= \langle \text{id} \rangle + C * A \\
 \langle \text{id} \rangle &= B + C * A \\
 A &= B + C * A
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & A = (A + \langle \text{factor} \rangle) * \langle \text{factor} \rangle \\
 & A = (A + \langle \text{id} \rangle) * \langle \text{factor} \rangle \\
 & A = (A + B) * \langle \text{factor} \rangle \\
 & A = (A + B) * \langle \text{id} \rangle \\
 & A = (A + B) * C
 \end{aligned}$$

RMD.

$$\langle id \rangle = \langle expr \rangle$$

$$\langle id \rangle = \langle term \rangle$$

$$\langle id \rangle = \langle term \rangle * \langle id \rangle$$

$$\langle id \rangle = \langle term \rangle * c$$

$$\langle id \rangle = \langle factor \rangle * c$$

$$\langle id \rangle = (\langle expr \rangle) * c$$

$$\langle id \rangle = (\langle expr \rangle + \langle term \rangle) * c$$

$$\langle id \rangle = (\langle expr \rangle + \langle factor \rangle) * c$$

$$\langle id \rangle = (\langle expr \rangle + \langle id \rangle) * c$$

$$\langle id \rangle = (\langle expr \rangle + B) * c$$

$$\langle id \rangle = (\langle \overset{\text{term}}{\text{factor}} \rangle + B) * c$$

$$\langle id \rangle = (\langle factor \rangle + B) * c$$

$$\langle id \rangle = (\langle id \rangle + B) * c$$

$$\langle id \rangle = (A + B) * c$$

$$3) A = B + (\langle term \rangle + \langle term \rangle)$$

$$A = B + (\langle factor \rangle + \langle term \rangle)$$

$$A = B + (\langle id \rangle + \langle term \rangle)$$

$$A = B + (c + \langle term \rangle)$$

$$A = B + (c + \langle factor \rangle)$$

$$A = B + (c + \langle id \rangle)$$

$$A = B + (c + A)$$

$$\langle id \rangle = \langle expr \rangle$$

$$\langle id \rangle = \langle expr \rangle + \langle term \rangle$$

$$\langle id \rangle = \langle \text{expr} \rangle + \langle factor \rangle$$

$$\langle id \rangle = \langle expr \rangle + \langle expr \rangle$$

$$\langle id \rangle = \langle expr \rangle + (\langle expr \rangle * \langle term \rangle)$$

$$\langle id \rangle = \langle \text{expr} \rangle + (\langle expr \rangle + \langle factor \rangle)$$

$$\langle id \rangle = \langle expr \rangle + (\langle expr \rangle + \langle id \rangle)$$

$$\langle id \rangle = \langle expr \rangle + (\langle expr \rangle + A)$$

$$\langle id \rangle = \langle expr \rangle + (\langle term \rangle + A)$$

$$\langle id \rangle = \langle expr \rangle + (\langle factor \rangle + A)$$

$$\langle id \rangle = \langle expr \rangle + (\langle id \rangle + A)$$

$$\langle id \rangle = \langle expr \rangle + (B + A)$$

$$\langle id \rangle = \langle \text{factor}^{\text{term}} \rangle + (C + A)$$

$$\langle id \rangle = \langle factor \rangle + (C + A)$$

$$\langle id \rangle = \langle id \rangle + (C + A)$$

$$\langle id \rangle = B + (C + A)$$

$$A = B + (C + A)$$

$$\leftarrow A = \langle id \rangle * \langle factor \rangle$$

$$A = A * \langle expr \rangle$$

$$A = A * (\langle expr \rangle * \langle term \rangle)$$

$$A = A * (\langle term \rangle + \langle term \rangle)$$

$$A = A * (\langle factor \rangle + \langle term \rangle)$$

$$A = A * (\langle id \rangle + \langle term \rangle)$$

$$A = A * (B + \langle term \rangle)$$

$$A = A * (B + \langle factor \rangle)$$

$$A = A * (B + \langle id \rangle)$$

$$A = A * (B + C)$$

$$\langle id \rangle = \langle expr \rangle$$

$$\langle id \rangle = \langle term \rangle$$

$$\langle id \rangle = \langle term \rangle * \langle factor \rangle$$

$$\langle id \rangle = \langle term \rangle * (\langle expr \rangle)$$

$$\langle id \rangle = \langle term \rangle * (\langle expr \rangle + \langle term \rangle)$$

$$\langle id \rangle = \langle term \rangle * (\langle expr \rangle + \langle factor \rangle)$$

$$\langle id \rangle = \langle term \rangle * (\langle expr \rangle + \langle id \rangle)$$

$$\langle id \rangle = \langle term \rangle * (\langle expr \rangle + c)$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle + c)$$

$$\langle id \rangle = \langle term \rangle * (\langle factor \rangle + c)$$

$$\langle id \rangle = \langle term \rangle * (\langle id \rangle + c)$$

$$\langle id \rangle = \langle term \rangle * (B + c)$$

$$\langle id \rangle = \langle factor \rangle * (B + c)$$

$$\langle id \rangle = \langle id \rangle * (B + c)$$

$$\langle id \rangle = A * (B + c)$$

$$A = A * (B + c)$$

$$5) A = B * (C * (A + B))$$

$$\langle id \rangle = \langle expr \rangle$$

$$\langle id \rangle = \langle term \rangle$$

$$\langle id \rangle = \langle term \rangle * \langle factor \rangle$$

$$\langle id \rangle = \langle term \rangle * \langle expr \rangle$$

$$\langle id \rangle = \langle term \rangle * \langle term \rangle$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * \langle factor \rangle)$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle expr \rangle))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle expr \rangle * \langle term \rangle))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle expr \rangle * \langle factor \rangle))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle expr \rangle * \langle id \rangle))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle expr \rangle + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle term \rangle + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle factor \rangle + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (\langle id \rangle + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle term \rangle * (A + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle factor \rangle * (A + B))$$

$$\langle id \rangle = \langle term \rangle * (\langle id \rangle * (A + B))$$

$$\langle id \rangle = \langle term \rangle * (C * (A + B))$$

$$\langle id \rangle = \langle factor \rangle * (C * (A + B))$$

$$\langle id \rangle = \langle id \rangle * (C * (A + B))$$

$$\langle id \rangle = B * (C * (A + B))$$

$$A = B * (C * (A + B))$$