

$$\varphi[\langle \mathcal{A}, a, \mathbf{v} \rangle] := \mathbf{v}(a), \quad \text{for all } a \in \mathcal{A}, \quad (0.1)$$

$$\varphi[\langle \mathcal{A}, \text{series}(\mathbf{T}_1, \mathbf{T}_2), \mathbf{v} \rangle] := \varphi[\langle \mathcal{A}, \mathbf{T}_1, \mathbf{v} \rangle] \odot \varphi[\langle \mathcal{A}, \mathbf{T}_2, \mathbf{v} \rangle], \quad (0.2) \quad \{\{\text{eq:series}\}\}$$

$$\varphi[\langle \mathcal{A}, \text{par}(\mathbf{T}_1, \mathbf{T}_2), \mathbf{v} \rangle] := \varphi[\langle \mathcal{A}, \mathbf{T}_1, \mathbf{v} \rangle] \otimes \varphi[\langle \mathcal{A}, \mathbf{T}_2, \mathbf{v} \rangle], \quad (0.3) \quad \{\{\text{eq:par}\}\}$$

$$\varphi[\langle \mathcal{A}, \text{loop}(\mathbf{T}), \mathbf{v} \rangle] := \varphi[\langle \mathcal{A}, \mathbf{T}, \mathbf{v} \rangle]^\dagger. \quad (0.4) \quad \{\{\text{eq:loop}\}\}$$