- (Unit) $\dfrac{\Phi \vdash \Gamma\,\mathtt{Ok}}{\llbracket \Phi | \Gamma \vdash \mathtt{()} : \mathtt{Unit} \rrbracket_M = \langle\rangle_\Gamma : \Gamma_I \to \mathtt{1}}$
- (Const) $\dfrac{\Phi \vdash \Gamma\,\mathtt{Ok}}{\llbracket \Phi | \Gamma \vdash \mathtt{C}^A : A \rrbracket_M = \llbracket \mathtt{C}^A \rrbracket_M \circ \langle\rangle_\Gamma : \Gamma \to \llbracket A \rrbracket_M}$
- (True) $\dfrac{\Phi \vdash \Gamma\,\mathtt{Ok}}{\llbracket \Phi | \Gamma \vdash \mathtt{true} : \mathtt{Bool} \rrbracket_M = \mathtt{inl} \circ \langle\rangle_\Gamma : \Gamma \to \llbracket \mathtt{Bool} \rrbracket_M = \mathtt{1}+\mathtt{1}}$
- (False) $\dfrac{\Phi \vdash \Gamma\,\mathtt{Ok}}{\llbracket \Phi | \Gamma \vdash \mathtt{false} : \mathtt{Bool} \rrbracket_M = \mathtt{inr} \circ \langle\rangle_\Gamma : \Gamma \to \llbracket \mathtt{Bool} \rrbracket_M = \mathtt{1}+\mathtt{1}}$
- (Var) $\dfrac{\Phi \vdash \Gamma\,\mathtt{Ok}}{\llbracket \Phi | \Gamma, x : A \vdash x : A \rrbracket_M = \pi_2 : \Gamma \times A \to A}$
- (Weaken) $\dfrac{f = \llbracket \Phi | \Gamma \vdash x : A \rrbracket_M : \Gamma \to A}{\llbracket \Phi | \Gamma, y : B \vdash x : A \rrbracket_M = f \circ \pi_1 : \Gamma \times B \to A}$
- (Lambda) $\dfrac{f = \llbracket \Phi | \Gamma, x : A \vdash C : \mathtt{M}_\epsilon B \rrbracket_M : \Gamma \times A \to T_\epsilon B}{\llbracket \Phi | \Gamma \vdash \lambda x : A.C : A \to \mathtt{M}_\epsilon B \rrbracket_M = \mathtt{cur}(f) : \Gamma \to (T_\epsilon B)^A}$
- (Subtype) $\dfrac{f = \llbracket \Phi | \Gamma \vdash v : A \rrbracket_M : \Gamma \to A \quad g = \llbracket A \leq : B \rrbracket_M}{\llbracket \Phi | \Gamma \vdash v : B \rrbracket_M = g \circ f : \Gamma \to B}$
- (Return) $\dfrac{f = \llbracket \Phi | \Gamma \vdash v : A \rrbracket_M}{\llbracket \Phi | \Gamma \vdash \mathtt{return} v : \mathtt{M}_{\mathtt{1}} A \rrbracket_M = \eta_A \circ f}$
- (If) $\dfrac{f = \llbracket \Phi | \Gamma \vdash v : \mathtt{Bool} \rrbracket_M : \Gamma \to \mathtt{1}+\mathtt{1} \quad g = \llbracket \Phi | \Gamma \vdash C_1 : \mathtt{M}_\epsilon A \rrbracket_M \quad h = \llbracket \Phi | \Gamma \vdash C_2 : \mathtt{M}_\epsilon A \rrbracket_M}{\llbracket \Phi | \Gamma \vdash \mathtt{if}_{\epsilon, A}\ v\ \mathtt{then}\ C_1\ \mathtt{else}\ C_2 : \mathtt{M}_\epsilon A \rrbracket_M = \mathtt{app} \circ (([\mathtt{cur}(g \circ \pi_2), \mathtt{cur}(h \circ \pi_2)] \circ f) \times \mathtt{Id}_\Gamma) \circ \delta_\Gamma : \Gamma \to T_\epsilon A}$
- (Bind) $\dfrac{f = \llbracket \Phi | \Gamma \vdash C_1 : \mathtt{M}_{\epsilon_1} A : \Gamma \to T_{\epsilon_1} A \quad g = \llbracket \Phi | \Gamma, x : A \vdash C_2 : \mathtt{M}_{\epsilon_2} B \rrbracket_M \rrbracket_M : \Gamma \times A \to T_{\epsilon_2} B}{\llbracket \Phi | \Gamma \vdash \mathtt{do}\ x \leftarrow C_1\ \mathtt{in}\ C_2 : \mathtt{M}_{\epsilon_1 \cdot \epsilon_2} \rrbracket_M = \mu_{\epsilon_1, \epsilon_2, B} \circ T_{\epsilon_1} g \circ \mathtt{t}_{\Gamma, A, \epsilon_1} \circ \left\langle \mathtt{Id}_\Gamma, f \right\rangle : \Gamma \to T_{\epsilon_1 \cdot \epsilon_2} B}$
- (Apply) $\dfrac{f = \llbracket \Phi | \Gamma \vdash v_1 : A \to \mathtt{M}_\epsilon B \rrbracket_M : \Gamma \to (T_\epsilon B)^A \quad g = \llbracket \Phi | \Gamma \vdash v_2 : A \rrbracket_M : \Gamma \to A}{\llbracket \Phi | \Gamma \vdash v_1\ v_2 : \mathtt{M}_\epsilon B \rrbracket_M = \mathtt{app} \circ \langle f, g \rangle : \Gamma \to T_\epsilon B}$
- (Effect-Lambda) $\dfrac{f = \llbracket \Phi, \alpha | \Gamma \vdash v : A \rrbracket_M : (\Gamma, A)}{\llbracket \Phi | \Gamma \vdash \Lambda \alpha . A : \forall \epsilon . A \rrbracket_M = \bar{f} : (\Gamma, (A))}$
- (Effect-App) $\dfrac{g = \llbracket \Phi | \Gamma \vdash v : \forall \alpha . A \rrbracket_M : (\Gamma, (A)) \quad h = \llbracket \Phi \vdash \epsilon : \rrbracket_M}{\llbracket \Phi | \Gamma \vdash v\ \epsilon : A[\epsilon / \alpha] \rrbracket_M = \left\langle \mathtt{Id}_I, h \right\rangle \star (\epsilon_{\llbracket \Phi, \beta \vdash A[\beta / \alpha] : \rrbracket_M})}$