

(Trans-Var) $\frac{n; \Gamma_1, x: \tau, \Gamma_2 \vdash x: \tau \Rightarrow \text{Send } n \text{ (Var } x) \text{ Nil}}$

(Trans-Unit) $\frac{n; \Gamma \vdash () : \text{Unit} \Rightarrow \text{Send } n \text{ (Unit) Nil}}$

(T-Lam) $\frac{n_2; \Gamma, x: \tau_1 \vdash e: \tau_2 \Rightarrow Q}{\begin{array}{l} \text{New } n_1 \tau_1 (\\ n; \Gamma \vdash \lambda x: \tau_1. e: \tau_1 \rightarrow \tau_2 \Rightarrow \text{New } n_2 \tau_2 (\\ \text{Send } n (n_1, n_2) : !: \\ \text{rec } n. x Q)) \end{array}}$

(T-App) $\frac{\begin{array}{l} ch_1, \Gamma \vdash e_1: \tau_1 \rightarrow \tau_2 \Rightarrow Q_1 \quad ch_2, \Gamma \vdash e_2: \tau_1 \Rightarrow Q_2 \\ \text{New } ch_1 (n_1, n_2) (\text{New } ch_2 \tau_1 (\\ \text{rec } ch_1 (n. n_2); \text{rec } ch_2 (x); \text{Send } n. x : !: \\ n; \Gamma \vdash e. e_2: \tau_2 \Rightarrow Q_1 : !: Q_2 : !: \\ \text{rec } n_2 y; \text{Send } n y)) \end{array}}$