$$\frac{\Pi \cup \{T <: U\} \vdash^* T <: U}{\Pi \vdash T <: U} \qquad\qquad \frac{(T <: U) \in \Pi}{\Pi \vdash T <: U}$$

$$\Pi \vdash^* \emptyset <: T \qquad\qquad \Pi \vdash^* \epsilon <: (\epsilon \mid T)$$

$$\frac{\Pi \vdash^* T <: U \quad \text{and} \quad \Pi \vdash^* T' <: U}{\Pi \vdash^* (T \mid T') <: U}$$

$$\frac{\Pi \vdash^* \ell(X, X') <: R}{\Pi \vdash^* \ell(X, X') <: (\epsilon \mid R)} \qquad\qquad \frac{\ell \neq \ell' \quad \text{and} \quad \Pi \vdash^* \ell(X, X') <: R}{\Pi \vdash^* \ell(X, X') <: (\ell'(Y, Y') \mid R)}$$

$$\frac{\left(\begin{array}{c} \Pi \vdash M(X) <: \Big|_{i \in I_1} M(Y_i) \\ \text{or} \\ \Pi \vdash M(X') <: \Big|_{i \in \overline{I_1}} M(Y_i') \end{array} \right) \cdots \text{and} \cdots \left(\begin{array}{c} \Pi \vdash M(X) <: \Big|_{i \in I_{2^n}} M(Y_i) \\ \text{or} \\ \Pi \vdash M(X') <: \Big|_{i \in \overline{I_{2^n}}} M(Y_i') \end{array} \right)}{\Pi \vdash^* \ell(X, X') <: (\ell(Y_1, Y_1') \mid \cdots \mid \ell(Y_n, Y_n'))}$$