

$$\frac{(C_1, C_2) \in \Xi}{\Gamma \vdash \text{disj}(C_1, C_2)}$$

(D-XI)

$$\frac{(C_1, C_2) \notin \Psi}{\Gamma \vdash \text{disj}(\{new\ C_1\}, C_2)}$$

(D-PSI)

$$\frac{\Gamma \vdash S <: U \quad \Gamma \vdash \text{disj}(U, T)}{\Gamma \vdash \text{disj}(S, T)}$$

(D-SUB)

$$\Gamma \vdash \text{disj}(T_1 \rightarrow T_2, C) \quad (\text{D-ARROW})$$

$$\Gamma \vdash \text{disj}(\forall X <: T_1. T_2, C) \quad (\text{D-ALL})$$