$$\frac{x : \tau \vdash x : \tau}{\Gamma, \Delta \vdash (x : \tau) : \tau} \text{ annotation}$$

$$\frac{\Gamma \vdash \tau : type}{\Gamma, \lambda \vdash (x : \tau) : \tau} = \frac{\Delta \vdash x : \tau}{\Gamma, \lambda \vdash (x : \tau) : \tau} \text{ annotation}$$

$$\frac{\Gamma, y : \tau, x : \sigma, \Delta \vdash z : \nu}{\Gamma, x : \sigma, y : \tau, \Delta \vdash z : \nu} \text{ exchange}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, x : mit \vdash t : \tau} \text{ unith}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma \vdash t \text{ lambda}} \text{ unith}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t) : \tau} \text{ abstraction}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash t : \tau}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ application}$$

$$\frac{\Gamma \vdash x : \tau_{t}}{\Gamma, \Delta \vdash (t, \tau) : \tau} \text{ injection},$$

$$\frac{\Gamma, x_{1} : \tau_{1} \vdash u_{1} : \nu}{\Gamma, \Delta \vdash (t, \tau) : \sigma} \text{ for } \tau_{1} + \dots + c_{n} \text{ of } \tau_{n} \text{ injection},$$

$$\Gamma, x_{1} : \tau_{1} \vdash u_{1} : \nu \qquad \Gamma, x_{n} : \tau_{n} \vdash u_{n} : \nu \qquad \Delta \vdash t : c_{1} \text{ of } \tau_{1} + \dots + c_{n} \text{ of } \tau_{n} \text{ case}$$

$$\Gamma, \Delta \vdash case \text{ to } f \circ (c_{1} x_{1}) \Rightarrow u_{1} \mid \dots \mid (c_{n} x_{n}) \Rightarrow u_{n} : \nu$$

$$\frac{\Gamma, x_{1} : \tau_{1} \vdash u_{1} : \nu}{\Gamma, \Delta \vdash (\tau) : \tau} \text{ unit}$$

$$\frac{\Gamma, \Delta \vdash (x : \sigma) : \sigma}{\Gamma, \Delta \vdash (\tau) : \tau} \text{ onit}$$

$$\frac{\Gamma \vdash \tau : type}{\Gamma, \dots, \Delta \vdash (\tau) : \tau} \text{ onit}$$

$$\frac{\Gamma \vdash \tau : type}{\Gamma, \dots, \Delta \vdash (\tau) : \tau} \text{ onit}$$

$$\frac{\Gamma \vdash \tau : type}{\Gamma, \dots, \Delta \vdash (\tau) : \tau} \text{ onit}$$

$$\frac{\Gamma \vdash \tau : \tau}{\Gamma \vdash fix \times \pi : \tau : \tau} \text{ duplication}$$

$$\frac{\Gamma \vdash x : \tau}{\Gamma \vdash t \mid x \mid : \tau : \tau} \text{ duplication}$$

$$\frac{\Gamma \vdash x : \tau}{\Gamma \vdash t \mid x \mid : \tau : \tau} \text{ duplication}$$