

$$V \cdot N = 1$$

1) $M \equiv x$, x — n -местное.

$$\frac{X: \mathcal{J} \vdash \Gamma}{\Gamma \vdash X: \mathcal{J}} \quad \wedge \quad \frac{X: \mathcal{G} \vdash \Gamma}{\Gamma \vdash X: \mathcal{G}} \Rightarrow \mathcal{J} = \mathcal{G}$$

2) $M \equiv M_1 M_2$, $M_1, M_2 \in \Lambda^{\omega_1}$

$$\frac{\Gamma \vdash M_1 : \tau \quad \Gamma \vdash M_2 : \tau}{\Gamma \vdash M_1 M_2 : \tau} \quad \sim \quad \frac{\Gamma \vdash M_1 : \tau \rightarrow \sigma \quad \Gamma \vdash M_2 : \tau}{\Gamma \vdash M_1 M_2 : \sigma}$$

$$\Gamma \vdash M_1 : \rho_1 \quad \text{and} \quad \Gamma \vdash M_2 : \rho_2 \quad \text{or} \quad \text{let } \rho_1 = \rho_2$$
$$\Gamma \vdash M_1 : \beta_1 \Rightarrow \gamma \quad \text{u} \quad \Gamma \vdash M_2 : \beta_2 \Rightarrow \delta \quad \text{of} \quad \text{u} \Pi. \quad \beta_1 \Rightarrow \gamma \equiv \beta_2 \Rightarrow \delta$$

$$g_2 \Rightarrow \mathcal{T} \equiv g_1 \Rightarrow \mathcal{T} \equiv g_2 \Rightarrow \mathcal{G} \Rightarrow \mathcal{T} \equiv \mathcal{G}$$

$$3) M \equiv \mathcal{R}_x \times N, \quad N \in \Lambda^{\omega_1}; \quad J \equiv \alpha \Rightarrow \beta_1, \quad G \equiv \alpha \Rightarrow \beta_2$$

$$\frac{\Gamma, x:\alpha \vdash N:\beta_1}{\Gamma \vdash \lambda x^\alpha. N:\alpha \Rightarrow \beta_1} \quad \frac{\Gamma, x:\alpha \vdash N:\beta_2}{\Gamma \vdash \lambda x^\alpha. N:\alpha \Rightarrow \beta_2}$$

$$\Gamma, x: \alpha \vdash N: \beta_1 \text{ u } \Gamma, x: \alpha \vdash N: \beta_2 \Rightarrow \text{of } \cup \beta_1 \equiv \beta_2$$

$$\Rightarrow \alpha \Rightarrow \beta_1 \equiv \alpha \Rightarrow \beta_2 \Rightarrow \mathcal{F} \equiv \mathcal{G}$$