RuleZer

$$\frac{}{* :?A \vdash * :?A}\, Id$$

RuleCut

$$\frac{\Theta, * : FA \vdash \Delta \quad \Gamma \vdash * : FA}{\Gamma, \Theta \vdash \Delta}\, Cut$$

RuleStruct

$$\frac{(\Gamma_1, \Delta_1), \Gamma_2, \Delta_2 \vdash \Theta}{(\Gamma_1, \Gamma_2), \Delta_1, \Delta_2 \vdash \Theta}\, PL \quad \frac{\Theta \vdash (\Delta_1, \Gamma_1), \Delta_2, \Gamma_2}{\Theta \vdash (\Delta_1, \Delta_2), \Gamma_1, \Gamma_2}\, PR \quad \frac{\Gamma \vdash (\Delta_1, \Delta_2), \Delta_3}{\Gamma \vdash \Delta_1, \Delta_2, \Delta_3}\, AR$$

$$\frac{\Gamma \vdash \Delta_1, \Delta_2, \Delta_3}{\Gamma \vdash (\Delta_1, \Delta_2), \Delta_3}\, AR \qquad \frac{(\Delta_1, \Delta_2), \Delta_3 \vdash \Gamma}{\Delta_1, \Delta_2, \Delta_3 \vdash \Gamma}\, AL \qquad \frac{\Delta_1, \Delta_2, \Delta_3 \vdash \Gamma}{(\Delta_1, \Delta_2), \Delta_3 \vdash \Gamma}\, AL$$

$$\frac{\cdot, \Gamma \vdash \Delta}{\Gamma \vdash \Delta}\, IL_L \qquad \frac{\Gamma \vdash \Delta}{\cdot, \Gamma \vdash \Delta}\, IL_L \qquad \frac{\Gamma, \cdot \vdash \Delta}{\Gamma \vdash \Delta}\, IL_R$$

$$\frac{\Gamma \vdash \Delta}{\Gamma, \cdot \vdash \Delta}\, IL_R \qquad \frac{\Gamma \vdash \cdot, \Delta}{\Gamma \vdash \Delta}\, IR_L \qquad \frac{\Gamma \vdash \Delta}{\Gamma \vdash \cdot, \Delta}\, IR_L$$

$$\frac{\Gamma \vdash \Delta, \cdot}{\Gamma \vdash \Delta}\, IR_R \qquad \frac{\Gamma \vdash \Delta}{\Gamma \vdash \Delta, \cdot}\, IR_R$$

RuleU

$$\frac{\Gamma, * : FA, * : FB \vdash * : FC}{\Gamma, * : FA \otimes FB \vdash * : FC}\, \otimes_L \qquad \frac{\Gamma, * : FA \vdash * : FB}{\Gamma \vdash * : FA \multimap FB}\, \multimap_R$$

RuleBin

$$\frac{\Delta \vdash * : FB \quad \Gamma \vdash * : FA}{\Gamma, \Delta \vdash * : FA \otimes FB}\, \otimes_R \qquad \frac{\Delta, * : FB \vdash * : FC \quad \Gamma \vdash * : FA}{\Gamma, \Delta, * : FA \multimap FB \vdash * : FC}\, \multimap_L$$

RuleNat

$$\frac{}{\cdot \vdash Z : Nat}\, nat_0 \qquad \frac{\cdot \vdash n : Nat}{\cdot \vdash (S)n : Nat}\, nat_s \qquad \frac{\cdot \vdash Z : Nat}{\cdot \vdash * : even(Z)}\, even_b$$

$$\frac{\cdot \vdash * : even(n)}{\cdot \vdash * : even((S)(S)n)}\, even_s$$