定義22.3.2

shinya yamaguchi

2019/11/12

$$\cfrac{\cfrac{\cfrac{x:T_1 \in x:X \to Y}{x:X \to Y \ \vdash \ x:T_1 \ |_{\chi_1} \ C_1} \ \text{CT-VAR} \qquad \cfrac{}{x:X \to Y \ \vdash \ 0:T_2 \ |_{\chi_2} \ C_2} \ \text{CT-ZERO}}{x:X \to Y \ \vdash \ x \ 0 : S \ |_{\chi} \ C} \ \text{CT-APP}}{\vdash \ \lambda x:X \to Y.\ x \ 0 : S \ |_{\chi} \ C} \ \text{CT-ABS}$$

$$\cfrac{\cfrac{\cfrac{x:X \to Y \in x:X \to Y}{x:X \to Y \ \vdash \ x:X \to Y \ |_{\varnothing} \ \{\}} \ \text{CT-VAR} \qquad \cfrac{}{x:X \to Y \ \vdash \ 0:Nat \ |_{\varnothing} \ \{\}} \ \text{CT-ZERO}}{x:X \to Y \ \vdash \ x \ 0 : S \ |_{\{S\}} \ \{X \to Y = Nat \to S\}} \ \text{CT-APP}}{\vdash \ \lambda x:X \to Y.\ x \ 0 : (X \to Y) \to S \ |_{\{S\}} \ \{X \to Y = Nat \to S\}} \ \text{CT-ABS}$$