

$$\begin{array}{c}
\frac{}{\Gamma, x : (A \rightarrow B) \vdash x : (A \rightarrow B)} \text{ (Var)} \qquad \frac{}{\Gamma, x : (A \rightarrow B) \vdash x : (A \rightarrow B)} \text{ (Var)} \\
\hline
\frac{}{\Gamma \vdash \lambda x. xx : (A \rightarrow B) \rightarrow B} \text{ (Abs)} \qquad \frac{}{\Gamma \vdash \lambda x. xx : (A \rightarrow B) \rightarrow B} \text{ (App)}
\end{array}$$