

$$\begin{array}{c}
 \text{id} \quad \frac{}{\Sigma x: 0 \Rightarrow 0, y: 0 \vdash x: 0 \Rightarrow 0} \quad \frac{}{\Sigma x: 0 \Rightarrow 0, y: 0 \vdash y: 0} \quad \text{id} \\
 \hline
 \frac{}{\Sigma x: 0 \Rightarrow 0, y: 0 \vdash xy: 0} \quad \text{appl} \\
 \hline
 \frac{}{\Sigma x: 0 \Rightarrow 0 \vdash (\lambda y: 0. xy): 0 \Rightarrow 0} \quad \text{abs} \\
 \hline
 \frac{}{\emptyset \vdash (\lambda x: 0 \Rightarrow 0. \lambda y: 0. xy): (0 \Rightarrow 0) \rightarrow (0 \Rightarrow 0)} \quad \text{abs}
 \end{array}$$