

$$\begin{array}{c}
 \frac{\frac{\frac{\exists x \ (A(x) \wedge B(x))}{A(x) \wedge B(x)}}{A(x)}}{\exists x \ A(x)} \qquad \frac{\frac{\frac{\exists x \ (A(x) \wedge B(x))}{A(x) \wedge B(x)}}{B(x)}}{\exists x \ B(x)} \\
 \hline
 \exists x \ A(x) \wedge \exists x \ B(x)
 \end{array}$$