

$$\begin{array}{c}
\frac{[A]_{(1)}}{B} \quad \frac{\frac{[(A \Rightarrow B) \wedge (B \Rightarrow C)]_{(2)}}{(A \Rightarrow B)} \wedge 1\mathcal{E}}{\Rightarrow \mathcal{E}} \quad \frac{\frac{[(A \Rightarrow B) \wedge (B \Rightarrow C)]_{(2)}}{(B \Rightarrow C)} \wedge 2\mathcal{E}}{\Rightarrow \mathcal{E}} \\
\hline
\frac{\frac{C}{A \Rightarrow C} \Rightarrow \mathcal{I}_{(1)}}{((A \Rightarrow B) \wedge (B \Rightarrow C)) \Rightarrow (A \Rightarrow C)} \Rightarrow \mathcal{I}_{(2)}
\end{array}$$