

$$\begin{array}{c}
\frac{\overline{A \vee B \rightarrow C}^0 \quad \frac{\overline{\overline{A}}^1}{A \vee B} \vee I_l}{\overline{A \vee B \rightarrow C}^0 \quad \frac{\overline{\overline{A}}^1}{A \vee B} \vee I_l} \rightarrow E \quad \frac{\overline{A \vee B \rightarrow C} \quad \frac{\overline{\overline{B}}^2}{A \vee B} \vee I_r}{\overline{A \vee B \rightarrow C} \quad \frac{\overline{\overline{B}}^2}{A \vee B} \vee I_r} \rightarrow E \\
\frac{C}{A \rightarrow C}^1 \rightarrow I \quad \frac{C}{B \rightarrow C}^2 \rightarrow I \\
\frac{\frac{C}{A \rightarrow C}^1 \rightarrow I \quad \frac{C}{B \rightarrow C}^2 \rightarrow I}{(A \rightarrow C) \wedge (B \rightarrow C)} \wedge I \\
\frac{(A \rightarrow C) \wedge (B \rightarrow C)}{(A \vee B) \rightarrow C \rightarrow ((A \rightarrow C) \wedge (B \rightarrow C))}^0 \rightarrow I
\end{array}$$