

$$\begin{array}{c}
 \text{hyp} \qquad \qquad \qquad \text{hyp} \\
 \frac{}{(E \wedge F) \wedge G, E, F \wedge G \vdash E} \quad \frac{}{(E \wedge F) \wedge G, E, F \wedge G \vdash F \wedge G} \\
 \hline
 \wedge \text{ intro} \\
 \frac{(E \wedge F) \wedge G, E \vdash F \wedge G \quad (E \wedge F) \wedge G, E, F \wedge G \vdash E \wedge (F \wedge G)}{} \\
 \hline
 \text{cut} \\
 \frac{(E \wedge F) \wedge G \vdash E \quad (E \wedge F) \wedge G, E \vdash E \wedge (F \wedge G)}{} \\
 \hline
 \text{cut} \\
 (E \wedge F) \wedge G \vdash E \wedge (F \wedge G)
 \end{array}$$