

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