

1:  $(E \rightarrow F) \wedge (E \rightarrow G)$  premise

2:  $E$  assumption

3:  $E \rightarrow F$   $\wedge$  elim 1

...

4:  $F \wedge G$

5:  $E \rightarrow (F \wedge G)$   $\rightarrow$  intro 2-4