

# conection III b

$$\begin{array}{l}
 \text{axiome} \quad \text{axiome} \quad \text{axiome} \\
 \frac{P_{uv}, P_{uv} \Rightarrow P_{vu} \vdash P_{uv}, P_{uv}}{\text{axiome}} \quad \frac{P_{uv}, P_{vu} \vdash P_{uv}, P_{vu}}{\text{axiome}} \quad \frac{P_{uv} \vdash P_{uv}, P_{vu}, P_{vu}}{\text{axiome}} \\
 \frac{P_{uv}, P_{uv} \Rightarrow P_{vu} \vdash P_{uv}, P_{uv} \quad P_{uv}, P_{vu} \Rightarrow P_{vu} \vdash P_{uv}, P_{vu}}{\text{axiome}} \Rightarrow \text{q} \\
 \frac{P_{uv}, P_{uv} \Rightarrow P_{vu} \vdash P_{uv}, P_{vu} \wedge P_{vu}}{\text{axiome}} \Rightarrow \text{q} \\
 \frac{P_{uv}, P_{uv} \Rightarrow P_{vu}, (P_{uv} \wedge P_{vu}) \Rightarrow P_{vu} \vdash P_{vu}}{\text{axiome}} \quad \# \text{q 5/ais!} \\
 \frac{P_{uv}, U, V \vdash P_{uv}}{\text{axiome}} \quad \begin{array}{l} V: x=u, y=y, z=v \\ U: x=u, y=v \end{array} \\
 \frac{\exists y P_{uy}, U, V \vdash P_{uv}}{\text{plus de "v" libre}} \Rightarrow \text{q} \\
 \frac{UV \vdash ((\exists y P_{uy}) \Rightarrow P_{uv})}{\text{axiome}} \Rightarrow \text{q} \\
 \frac{U, V \vdash \forall x ((\exists y P_{xy}) \Rightarrow P_{xx})}{\text{plus de "u" libre}} \Rightarrow \text{q}
 \end{array}$$