

conection VI b

$$\begin{array}{c}
 \text{axiome} \qquad \qquad \qquad \text{axiome} \qquad \qquad \qquad \text{axiome} \\
 \frac{P_{vu}, P_{vu} \Rightarrow P_{uv} \vdash P_{vv}, P_{vu}}{\text{axiome}} \qquad \frac{P_{vu}, P_{uv} \vdash P_{vv}, P_{uv}}{\text{axiome}} \qquad \frac{P_{vu} \vdash P_{vv}, P_{vv}, P_{vu}}{\text{axiome}} \\
 \frac{P_{vu}, P_{vu} \Rightarrow P_{uv} \vdash P_{vv}, P_{vu}, P_{uv}}{\text{axiome}} \qquad \frac{P_{vu}, P_{vu} \Rightarrow P_{uv}, P_{vv} \vdash P_{vv}}{\text{axiome}} \\
 \frac{P_{vu}, P_{vu} \Rightarrow P_{uv}, P_{vu}, P_{uv} \Rightarrow P_{vv} \vdash P_{vv}}{\forall g \text{ Stus}} \\
 \frac{P_{vu}, U, V \vdash P_{vu} \quad \begin{array}{l} U \quad x=v \quad y=v \\ V \quad x=v \quad y=v \quad z=v \end{array}}{\exists y P_{yu}, U, V \vdash P_{vu} \quad (\text{plus de } v \text{ libre})} \\
 \frac{\exists y P_{yu}, U, V \vdash P_{vu} \quad (\text{plus de } v \text{ libre})}{U, V \vdash \exists y P_{yy} \Rightarrow P_{vu}} \Rightarrow g \\
 \frac{U, V \vdash \exists y P_{yy} \Rightarrow P_{vu}}{U, V \vdash \forall x ((\exists y P_{yx}) \Rightarrow P_{xx})} \forall d \quad (\text{plus de } v \text{ libre})
 \end{array}$$