

$$\frac{\begin{array}{c} \overline{\forall v \ A(u, v)}^0 \\ A(u, v) \end{array}}{\exists u \ A(u, v)}_0 \quad \frac{}{\exists x \ \forall y \ A(x, y)}_1$$
$$\frac{\exists u \ A(u, v)}{\forall v \ \exists u \ A(u, v)}$$
$$\frac{}{\exists x \ \forall y \ A(x, y) \rightarrow \forall v \ \exists u \ A(u, v)}_1$$