

$$\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array}$$

$$L=<$$

$$\psi:\forall x\exists y\;(y<x)$$

$$Q:\psi$$

$$\mathcal{U}=N$$

$$\mathcal{U}=Z$$

$$\cdot$$

$$\Big(\forall y\neg P(y)\rightarrow\neg P(x)\Big)\rightarrow\Big(P(x)\rightarrow\exists yP(y)\Big)$$

$$\Big(\forall x(\alpha\rightarrow\beta)\Big)\rightarrow(\forall x\alpha\rightarrow\forall x\beta)$$

$$\begin{array}{c} x \\ A \\ \cdot \end{array}.$$

$$\begin{array}{c} x \in \\ A \\ p(x) \\ \forall x \left(x \in A \rightarrow P(x) \right) \end{array}$$

$$\forall x \left(x \in A \wedge P(x) \right)$$

$$\begin{array}{c} x \in \\ A \\ p(x) \\ \exists x \left(x \in A \wedge P(x) \right) \end{array}$$

$$\exists x \left(x \in A \rightarrow P(x) \right)$$

$$Q:\forall\rightarrow\exists\wedge\begin{array}{c} x\in\\ A\\ p(x)\\ \forall x\left(x\in A\rightarrow P(x)\right) \end{array}$$

$$\forall x \in A. \, P(x)$$

$$\begin{array}{c} x \in \\ A \\ p(x) \\ \exists x \left(x \in A \wedge P(x) \right) \end{array}$$

$$\exists x \in A. \, P(x)$$

$$Q:\forall x\in A/\exists x\in A$$

$$\begin{array}{c} \forall\exists \\ x \\ y \\ x=2y \\ x \\ y \\ x=2y \end{array}.$$

$$\exists x \rightarrow \exists u. x=2u$$