

$$\mathbb{I} \xrightarrow[\text{stet}]{\mathcal{V}} \mathbb{R} \Rightarrow \mathbb{I} \mathcal{V} \text{ Interval}$$

$${}^a \mathcal{V} \leq \bar{y} \leq {}^b \mathcal{V} \Rightarrow \bigvee_{a \leq \bar{x} \leq b} \bar{x} \mathcal{V} = \bar{y}$$

$$a \in \mathfrak{h} = \frac{x \in \mathbb{I}}{x \mathcal{V} \leq \bar{y}} \subset \mathbb{I} \Rightarrow \bar{x} = \dot{\mathfrak{h}} = \sup \mathfrak{h}$$

$$\Rightarrow \bigvee_{x_n \in \mathfrak{h}} x_n \rightsquigarrow \bar{x} \Rightarrow \bar{y} \geq x_n \mathcal{V} \rightsquigarrow \bar{x} \mathcal{V} \leq \bar{y}$$

$$\bigwedge_n^{\mathbb{N}^+} \bar{x} < \bar{x} + \frac{1}{n} \notin \mathfrak{h} \leq \bar{x} \Rightarrow \bar{y} < \bar{x} + 1/n \mathcal{V} \rightsquigarrow \bar{x} \mathcal{V} \geq \bar{y}$$

$$\mathbb{I} \xrightarrow[\text{stet}]{\mathcal{V}} \mathbb{I} \Rightarrow \bigvee_{o \in \mathbb{I}} {}^o \mathcal{V} = o$$

$${}^x \mathcal{V} = {}^x \mathcal{V} \quad -x \Rightarrow {}^b \mathcal{V} = {}^b \mathcal{V} \quad -b \leq 0 \leq {}^a \mathcal{V} \quad -a = {}^a \mathcal{V} \quad \xrightarrow{\text{ZWS}} \bigvee_{o \in \mathbb{I}} {}^o \mathcal{V} = 0 \Rightarrow {}^o \mathcal{V} = o$$