$$o \in H = a|b \xrightarrow[\text{isoton}]{\gamma} \mathbb{R}$$

$$a < o:\ {}^{<\,o}_{\bullet}\gamma = \bigvee_{H\,\ni\,x\,<\,o} {}^{x}\gamma \leqslant {}^{o}\gamma$$

$$o < b:\ {}^{>\,o}\gamma_{\bullet} = \bigwedge_{o\,<\,x\,\in\,H} {}^{x}\gamma \geqslant {}^{o}\gamma$$

$$\text{box } H \xrightarrow[\text{isoton}]{\gamma} \mathbb{R}$$

$${}^{H}\gamma \text{ box } \Rightarrow \gamma \text{ stet}$$

$$a < o \Rightarrow {}^{<o}\dot{\gamma} = {}^{o}\gamma$$

$$\lightning \; {}^{<o}\dot{\gamma} < {}^{o}\gamma \Rightarrow \begin{cases} \bigwedge\limits_{H \ni x < o} {}^{x}\gamma \leqslant {}^{<o}\dot{\gamma} \\ \bigwedge\limits_{o \leqslant x \in H} {}^{x}\gamma \geqslant {}^{o}\gamma \end{cases} \Rightarrow \underbrace{{}^{<o}\dot{\gamma}:{}^{o}\gamma} \cap {}^{H}\gamma = \varnothing \Rightarrow {}^{H}\gamma \text{ not box } \lightning$$

$$o < b \Rightarrow {}^{o}\gamma = {}^{>o}\dot{\gamma}$$

$$\lightning \; {}^{o}\gamma < {}^{>o}\dot{\gamma} \Rightarrow \begin{cases} \bigwedge\limits_{H \ni x \leqslant o} {}^{x}\gamma \leqslant {}^{o}\gamma \\ \bigwedge\limits_{o < x \in H} {}^{x}\gamma \geqslant {}^{>o}\dot{\gamma} \end{cases} \Rightarrow \underbrace{{}^{o}\gamma:{}^{>o}\dot{\gamma}} \cap {}^{H}\gamma = \varnothing \Rightarrow {}^{H}\gamma \text{ not box } \lightning$$

$$\bigwedge\limits_{\varepsilon}^{>0} \begin{cases} a < o: {}^{o}\gamma - \varepsilon < {}^{<o}\gamma = {}^{<o}\dot{\gamma} \underset{\text{not ob Schranke}}{\Longrightarrow} \bigvee\limits_{H \ni c < o} {}^{o}\gamma - \varepsilon < {}^{c}\gamma \\ o < b: {}^{o}\gamma + \varepsilon > {}^{o}\gamma = {}^{>o}\dot{\gamma} \underset{\text{not unt Schranke}}{\Longrightarrow} \bigvee\limits_{o < d \in H} {}^{d}\gamma < {}^{o}\gamma + \varepsilon \end{cases}$$

$$\Rightarrow a < o < b: \bigwedge\limits_{c \leqslant x \leqslant d} {}^{o}\gamma - \varepsilon < {}^{c}\gamma \leqslant {}^{x}\gamma \leqslant {}^{d}\gamma < {}^{o}\gamma + \varepsilon \Rightarrow \overline{{}^{x}\gamma - {}^{o}\gamma} < \varepsilon \Rightarrow \gamma \text{ stet in } o$$

$$a = o: \bigwedge\limits_{a \leqslant x \leqslant d} {}^{a}\gamma \leqslant {}^{x}\gamma \leqslant {}^{d}\gamma < {}^{a}\gamma + \varepsilon \Rightarrow \overline{{}^{x}\gamma - {}^{a}\gamma} < \varepsilon \Rightarrow \gamma \text{ stet in } a$$

$$o = b: \bigwedge\limits_{c \leqslant x \leqslant b} {}^{b}\gamma - \varepsilon < {}^{c}\gamma \leqslant {}^{x}\gamma \leqslant {}^{b}\gamma \; i\overline{{}^{x}\gamma - {}^{b}\gamma} < \varepsilon \Rightarrow \gamma \text{ stet in } b$$