

$$\mathfrak{h} \xrightarrow[\text{stet in } o]{\mathfrak{v}} \mathfrak{k} \Leftrightarrow \bigwedge_{\varepsilon}^{>0} \bigvee_{\delta}^{>0} \bigwedge_{\mathfrak{h}} \mathfrak{h}|o \leq \delta \curvearrowright {}^{\mathfrak{h}}\mathfrak{v}|{}^o\mathfrak{v} \leq \varepsilon \Leftrightarrow \bigwedge_{\varepsilon}^{>0} \bigwedge_{\mathfrak{h}} \mathfrak{h}|o \leq {}^o_{\mathfrak{v}}(\varepsilon) \curvearrowright {}^{\mathfrak{h}}\mathfrak{v}|{}^o\mathfrak{v} \leq \varepsilon$$

$$\begin{array}{c} \text{stet} \\ \mathfrak{v} \curvearrowright \\ \mathfrak{h} \xrightarrow[\text{stet}]{\mathfrak{v}} \mathfrak{k} \xrightarrow[\text{stet}]{\mathfrak{v}} \mathfrak{k} : {}^o_{\mathfrak{v}}(\varepsilon) \leq {}^o_{\mathfrak{v}} \left( \begin{array}{c} {}^o \\ \mathfrak{v} \end{array} \left( \begin{array}{c} {}^o \\ \mathfrak{v} \end{array} (\varepsilon) \right) \right) \end{array}$$

$$\mathfrak{h}|o \leq \text{RHS} \Rightarrow {}^{\mathfrak{h}}\mathfrak{v}|{}^o\mathfrak{v} \leq {}^o_{\mathfrak{v}}(\varepsilon) \Rightarrow \overbrace{{}^{\mathfrak{h}}\mathfrak{v} \curvearrowright |}^o \overbrace{{}^o\mathfrak{v} \curvearrowright} = {}^{\mathfrak{h}}\mathfrak{v} \curvearrowright | {}^o\mathfrak{v} \curvearrowright \leq \varepsilon$$

$$\mathfrak{h} \xrightarrow[\text{u-stet}]{\mathfrak{v}} \mathfrak{k} \Leftrightarrow \bigwedge_{\varepsilon}^{>0} \bigvee_{\delta}^{>0} \bigwedge_{\mathfrak{h}} \mathfrak{h}|\mathfrak{h} \leq \delta \curvearrowright {}^{\mathfrak{h}}\mathfrak{v}|{}^{\mathfrak{h}}\mathfrak{v} \leq \varepsilon \Leftrightarrow \bigwedge_{\varepsilon}^{>0} \bigwedge_{\mathfrak{h}} \mathfrak{h}|\mathfrak{h} \leq {}^{\mathfrak{h}}_{\mathfrak{v}}(\varepsilon) \curvearrowright {}^{\mathfrak{h}}\mathfrak{v}|{}^{\mathfrak{h}}\mathfrak{v} \leq \varepsilon$$

$$\begin{array}{c} \text{u-stet} \\ \mathfrak{v} \curvearrowright \\ \mathfrak{h} \xrightarrow[\text{u-stet}]{\mathfrak{v}} \mathfrak{k} \xrightarrow[\text{u-stet}]{\mathfrak{v}} \mathfrak{k} : {}^{\mathfrak{h}}_{\mathfrak{v}}(\varepsilon) \leq {}^{\mathfrak{h}}_{\mathfrak{v}} \left( \begin{array}{c} \mathfrak{k} \\ \mathfrak{v} \end{array} (\varepsilon) \right) \end{array}$$

$$\mathfrak{h}|\mathfrak{h} \leq \text{RHS} \Rightarrow {}^{\mathfrak{h}}\mathfrak{v}|{}^{\mathfrak{h}}\mathfrak{v} \leq {}^{\mathfrak{k}}_{\mathfrak{v}}(\varepsilon) \Rightarrow \overbrace{{}^{\mathfrak{h}}\mathfrak{v} \curvearrowright |}^{\mathfrak{h}} \overbrace{{}^{\mathfrak{h}}\mathfrak{v} \curvearrowright} = {}^{\mathfrak{h}}\mathfrak{v} \curvearrowright | {}^{\mathfrak{h}}\mathfrak{v} \curvearrowright \leq \varepsilon$$