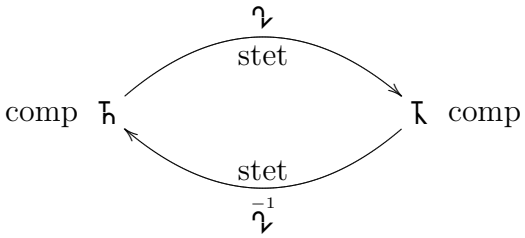
$$\text{comp } \mathfrak{h} \xrightarrow[\text{stet bij}]{\curvearrowright} \mathfrak{k} \Longrightarrow \mathfrak{k} \xrightarrow[\text{stet}]{\overset{-1}{\curvearrowright}} \mathfrak{h}$$



$$\mathfrak{k} \ni b_n \rightsquigarrow b \in \mathfrak{k}$$

$$\lightning\ \mathfrak{h} \ni {}^{b_n}\overset{-1}{\curvearrowright} \not\rightsquigarrow {}^{b}\overset{-1}{\curvearrowright} \Longrightarrow \bigvee_{\varepsilon>0} \bigwedge_{m}^{\mathbb{N}} \bigvee_{\not{m} \geqslant m} {}^{b_{\not{m}}}\overset{-1}{\curvearrowright} \big| {}^{b}\overset{-1}{\curvearrowright} > \varepsilon \underset{K}{\Longrightarrow} \bigvee_{\not{m} \geqslant m} {}^{b_{\not{m}}}\overset{-1}{\curvearrowright} \rightsquigarrow a \in \mathfrak{h}$$

$$\underset{\text{SC}}{\Longrightarrow} b \curvearrowleft b_{\not{m}} = {}^{b_{\not{m}}}\overset{-1}{\curvearrowright} \rightsquigarrow {}^{a}\curvearrowright \Longrightarrow b = {}^{a}\curvearrowright \underset{\text{inj}}{\Longrightarrow} {}^{b}\overset{-1}{\curvearrowright} = a$$

$${}^{b_{\not{m}}}\overset{-1}{\curvearrowright} | a > \varepsilon \Longrightarrow a | a \geqslant \varepsilon \lightning$$

$$\Longrightarrow {}^{b_n}\overset{-1}{\curvearrowright} \rightsquigarrow {}^{b}\overset{-1}{\curvearrowright} \underset{\text{CS}}{\Longrightarrow} \overset{-1}{\curvearrowright} \text{ stet}$$

$$\lightning\ \mathfrak{h} \ni {}^{b_n}\overset{-1}{\curvearrowright} \not\rightsquigarrow \Longrightarrow \bigvee_{\varepsilon>0} \bigwedge_{m}^{\mathbb{N}} \bigvee \begin{cases} {}^{0}m \geqslant m \\ {}^{1}m \geqslant m \end{cases} \quad {}^{b_{0_m}}\overset{-1}{\curvearrowright} \big| {}^{b_{1_m}}\overset{-1}{\curvearrowright} > \varepsilon$$

$$\underset{\text{comp}}{\Longrightarrow} \bigvee_{{}^{2}m \geqslant m} {}^{b_{02_m}}\overset{-1}{\curvearrowright} \rightsquigarrow a \in \mathfrak{h} \underset{\text{comp}}{\Longrightarrow} \bigvee_{{}^{3}m \geqslant m} {}^{b_{123_m}}\overset{-1}{\curvearrowright} \rightsquigarrow c \in \mathfrak{h} \Longrightarrow {}^{b_{023_m}}\overset{-1}{\curvearrowright} \rightsquigarrow a$$

$$\underset{\text{stet}}{\Longrightarrow} \begin{cases} b \curvearrowleft b_{123_m} = {}^{b_{123_m}}\overset{-1}{\curvearrowright} \rightsquigarrow {}^{c}\curvearrowright \\ b \curvearrowleft b_{023_m} = {}^{b_{023_m}}\overset{-1}{\curvearrowright} \rightsquigarrow {}^{a}\curvearrowright \end{cases} \Longrightarrow {}^{a}\curvearrowright = b = {}^{c}\curvearrowright \underset{\text{inj}}{\Longrightarrow} a = c$$

$${}^{b_{023_m}}\overset{-1}{\curvearrowright} \big| {}^{b_{123_m}}\overset{-1}{\curvearrowright} > \varepsilon \Longrightarrow a | c \geqslant \varepsilon \lightning$$

$$\overline{{}^{b_{\cdot}^{-1}}\curvearrowright} = \underbrace{{}^{b^{-1}}\curvearrowright}$$

$$a \in \overline{{}^{b_{\cdot}^{-1}}\curvearrowright} \Longrightarrow \bigvee_{\text{Teilfolge}} a \leftsquigarrow {}^{b_{\widetilde{n}}^{-1}}\curvearrowright \underset{\curvearrowright \text{ stet}}{\Longrightarrow} {}^{a}\curvearrowright \leftsquigarrow {}^{b_{\widetilde{n}}^{-1}}\curvearrowright = b_{\widetilde{n}} \rightsquigarrow b \Longrightarrow {}^{a}\curvearrowright = b \Longrightarrow a = {}^{b^{-1}}\curvearrowright$$