

$$\bar{h} \xrightarrow[\text{surj}]{\mathcal{L}} \acute{h} \Leftrightarrow \bigwedge_{\acute{h}} \bigvee_{\bar{h}} {}^h\mathcal{L} = \acute{h} \Leftrightarrow {}^{\bar{h}}\mathcal{L} = \acute{h}$$

$$\begin{array}{ccc} \bar{h} & \xrightarrow[\text{surj}]{\mathcal{L}} & \acute{h} & \xrightarrow[\text{surj}]{\acute{\mathcal{L}}} & \ddot{h} \\ & \searrow & & \nearrow & \\ & & \mathcal{L} \acute{\mathcal{L}} & & \\ & & \text{surj} & & \end{array}$$

$$\mathcal{L} \acute{\mathcal{L}} \text{ surj} \Rightarrow \acute{\mathcal{L}} \text{ surj}$$

$${}^{\bar{h}}\blacktriangle \acute{h} = \left\{ \bar{h} \xrightarrow[\text{surj}]{\mathcal{L}} \acute{h} \right\}$$