

$$\mathbb{K} \begin{array}{c} 0 \\ \swarrow \\ \mathfrak{R} \end{array} \times \mathbb{K} \begin{array}{c} 0 \\ \swarrow \\ \mathfrak{R} \end{array} \xrightarrow{*} \mathbb{K} \begin{array}{c} 0 \\ \swarrow \\ \mathfrak{R} \end{array}$$

$$\overline{\mathfrak{L} * \mathfrak{L}}_{x:z} = \mathfrak{L}_{x:y} \mathfrak{L}_{y:z} \int_{\mathcal{G}}^{y_1}$$

$$\mathfrak{L}_{x:y}^* = \overline{\mathfrak{L}_{y:x}}$$