

$$\begin{array}{ccc}
\mathfrak{h}^{p|q \leftarrow 0} \triangleleft_{\infty} \mathbb{K} & \xleftarrow{\sim} & \mathfrak{h}^{\dot{p}|\dot{q} \leftarrow 0} \triangleleft_{\infty} \mathbb{K} \\
\downarrow \iota & & \downarrow \iota \\
\mathfrak{h}^{p|q} \triangleleft_{\infty} \mathbb{K} & \xleftarrow{\sim} & \mathfrak{h}^{\dot{p}|\dot{q}} \triangleleft_{\infty} \mathbb{K} \\
\downarrow j & & \downarrow j \\
\mathfrak{h} \triangleleft_{\infty} \mathbb{K} & \xleftarrow{\sim} & \mathfrak{h}^{\dot{}} \triangleleft_{\infty} \mathbb{K}
\end{array}$$

$$\mathfrak{b} \in \mathbb{K} \triangleleft_{\infty} \mathfrak{h}^{\dot{p}|\dot{q}}$$

$$\left(\mathfrak{h}^{p|q} \triangleleft_{\infty} \mathbb{K} \right) \triangleleft_{\sim} \left(\mathfrak{h}^{\dot{p}|\dot{q}} \triangleleft_{\infty} \mathbb{K} \right) = \frac{\mathfrak{h}^{p|q} \triangleleft_{\infty} \mathbb{K} \xleftarrow{\downarrow} \mathfrak{h}^{\dot{p}|\dot{q}} \triangleleft_{\infty} \mathbb{K}}{\text{lin}} \triangleleft_{\sim} \text{der}$$

$$\downarrow \uparrow \uparrow = \downarrow \uparrow \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \uparrow \downarrow \uparrow$$

$$\mathfrak{b} \in \mathbb{K} \triangleleft_{\infty} \mathfrak{h}^{p|q} \xrightarrow{\times} \left(\mathfrak{h}^{p|q} \triangleleft_{\infty} \mathbb{K} \right) \triangleleft_{\sim} \left(\mathfrak{h}^{\dot{p}|\dot{q}} \triangleleft_{\infty} \mathbb{K} \right) \xleftarrow{\times} \mathbb{K} \triangleleft_{\infty} \mathfrak{h}^{\dot{p}|\dot{q}} \ni \mathfrak{b}'$$

$$\mathfrak{b} \times \uparrow = \mathfrak{b} \uparrow = \mathfrak{b} \uparrow$$

$$\mathfrak{b} \uparrow \uparrow = \mathfrak{b} \uparrow \uparrow = \mathfrak{b} \uparrow \uparrow = \mathfrak{b} \uparrow \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \uparrow \mathfrak{b} \uparrow = \mathfrak{b} \uparrow \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \uparrow \mathfrak{b} \uparrow$$

$$\uparrow \times \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow$$

$$\uparrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow + \overset{|\mathfrak{b}|}{-1} \uparrow \mathfrak{b} \uparrow$$

$$\mathbb{K} \triangleleft_{\infty} \mathfrak{h}^{\dot{p}|\dot{q}} \ni \mathfrak{b} \text{ related } \mathfrak{b} \succ \mathfrak{b} \Leftrightarrow \mathfrak{b} \uparrow = \uparrow \mathfrak{b} \uparrow \Leftrightarrow \mathfrak{b} \times \uparrow = \uparrow \times \mathfrak{b}$$

$$\mathfrak{b} \succ \mathfrak{b} : \downarrow \succ \downarrow \Rightarrow \mathfrak{b} \times \downarrow \succ \mathfrak{b} \times \downarrow$$

$\uparrow \uparrow$