

$$\underline{h} \times \underline{h} \in \mathbb{R} \nabla_\infty$$

$$\underline{h}^\sharp \times \underline{h} = \underline{h} \Delta \mathbb{R} \times \underline{h} \in \mathbb{R} \nabla_\infty$$

$$\underline{h} \Delta \mathbb{R} \times \underline{h} \xrightarrow{\pi} \underline{h}$$

$$\begin{array}{ccccc} \underline{h} \Delta \mathbb{R} \times \underline{h} & \xrightarrow{\pi_{h:q}} & \underline{h}_h & \xrightarrow{q} & \mathbb{R} \\ \hbox{\scriptsize $h:q$} \swarrow & & & & \searrow \\ & & \hbox{\scriptsize $h:q$} \curvearrowleft & & \\ & & \bullet = d \bullet & & \end{array}$$