

$$\bar{h} \times \bar{h} \in \mathbb{R}_{\infty}^{\nabla}$$

$$\bar{h}^{\#} \times \bar{h} = \bar{h} \triangleleft \mathbb{R} \times \bar{h} \in \mathbb{R}_{\infty}^{\nabla}$$

$$\bar{h} \triangleleft \mathbb{R} \times \bar{h} \xrightarrow{\pi} \bar{h}$$

$$\begin{array}{ccc}
 \bar{h} \triangleleft \mathbb{R} \times \bar{h} & \xrightarrow{\pi_{h:\psi}} & \bar{h}_h & \xrightarrow{\psi} & \mathbb{R} \\
 & \searrow_{h:\psi} & & & \nearrow \\
 & & & & \mathbb{R} \\
 & & \downarrow = d\psi & &
 \end{array}$$