

$$\begin{array}{ccc} \mathbb{K} \nabla_{\underline{\mathbb{H}}} & \xrightarrow[\text{hom}]{\ltimes} & \mathfrak{U} | \mathbb{1} \\ \mathbb{K} \nabla_{\underline{\mathbb{H}}} \boxtimes \mathbb{1} & \rightarrow & \mathbb{1} \end{array}$$