

$$\begin{array}{ccc}
 V \times V \times V & \xrightarrow{\otimes \times id_V} & V \times V \\
 id_V \times \otimes \downarrow & \circlearrowleft & \otimes \downarrow \\
 V \times V & \xrightarrow{\otimes} & V \times V
 \end{array}$$