

$$\begin{array}{c} \diagup \\ \bigcirc \\ \vdots \end{array} = R_{\text{I}}^T{}^T \begin{array}{c} \frown \\ \vdots \end{array}, \quad \begin{array}{c} \diagup \\ \bigcirc \\ \top \end{array} = R_T^T{}^T \begin{array}{c} \frown \\ \top \end{array}$$