

$$\begin{array}{ccc}
 {}^n\mathbb{R}_n^U \times {}^n\mathbb{R}_n^U & \xrightarrow[\text{on}]{\times} & \mathcal{U}|_O {}^n\mathbb{R}_n^\mathfrak{A} \\
 \uparrow \text{exp} & & \uparrow \text{exp} \\
 {}^n\mathbb{R}_n^U \times {}^n\mathbb{R}_n^U & \xrightarrow[\text{on}]{q} & \mathcal{U}|_O {}^n\mathbb{R}_n^\mathfrak{A}
 \end{array}$$

$$\sqrt{\quad} \times_A \frac{\mathfrak{A} \mid 0}{0 \mid \mathbb{F}} = \sqrt{\quad} \times_{\dot{A}} \frac{\mathfrak{A} \mid 0}{0 \mid \mathbb{F}} A$$

$$A \mathfrak{A} \dot{A} = -U^{*-inv} / {}^n\mathbb{R}_n^U \times {}^n\mathbb{R}_n^U$$