

$$\begin{array}{ccc}
{}^{2n}\mathbb{C}_{2n}^{\mathcal{U}} & \xrightarrow[\text{on}]{\times} & \mathcal{U} |_{\mathcal{O}} {}^n\mathbb{H}_n^{\mathcal{U}} \\
\uparrow \text{exp} & & \uparrow \text{exp} \\
{}^{2n}\mathbb{C}_{2n}^{\mathcal{W}} & \xrightarrow[\text{on}]{q} & \mathcal{U} |_{\mathcal{O}} {}^n\mathbb{H}_n^{\mathcal{U}}
\end{array}$$

$$\sqrt{\cdot} \times_C \begin{array}{c} \updownarrow \\ \updownarrow \end{array} \Big| \begin{array}{c} \updownarrow \\ \updownarrow \end{array} = \sqrt{\cdot} \times_{\check{C}} \begin{array}{c} \updownarrow \\ \updownarrow \end{array} \Big| \begin{array}{c} \updownarrow \\ \updownarrow \end{array} C$$

$$C = \frac{1}{\sqrt{2}} \begin{array}{c} j \\ i \end{array} \Big| \begin{array}{c} ji \\ 1 \end{array} \curvearrowright C \mathcal{U} \check{C}^* = -iI \text{ *-inv} / {}^{2n}\mathbb{C}_{2n}^{\mathcal{U}}$$