

$${}_{\mathcal{U}}\mathbb{K}_n^{\mathbb{C}} \subset {}_{\mathcal{O}}\mathbb{K}_n^{\mathbb{C}} \xrightarrow{g_e} {}_{\mathcal{O}}\mathbb{K}_n^{\mathbb{C}} \supset {}_{\mathcal{U}}\mathbb{K}_n^{\mathbb{C}}$$

$$\times \frac{1 \mid 1}{-1 \mid 1} / \sqrt{2}$$

$$\left\{ \begin{array}{l} \mathbb{K} = \mathbb{C} \quad \frac{1 \mid i}{i \mid 1} g_e \frac{1 \mid -i}{-i \mid 1} = \frac{1-i \mid 0}{0 \mid 1+i} / \sqrt{2} \in {}^n\mathbb{C}_n^{\mathcal{U}} \times {}^n\mathbb{C}_n^{\mathcal{U}} \\ \mathbb{K} = \mathbb{H} \quad \frac{j \mid ji}{i \mid 1} g_e \frac{-j \mid -i}{ij \mid 1} = \frac{1+i \mid 0}{0 \mid 1+i} / \sqrt{2} \in {}^{2n}\mathbb{C}_{2n}^{\mathcal{U}} \end{array} \right.$$