

$$\frac{a \mid b}{\overline{b} \mid -a} \in {}^2\mathbb{C}_2^U \text{ self-adj symm}$$

$$a \in \mathbb{R}$$

$$b \in \mathbb{C}$$

$$a^2 + \overline{b^2} = 1$$

$$\frac{a \mid b}{\overline{b} \mid -a} \quad \frac{\alpha \mid \beta}{\overline{\beta} \mid -\alpha}$$