

$$GHZ : \mathbb{C}^2 \times \mathbb{C}^2 \rightharpoonup \mathbb{C}^2$$

$$\begin{array}{ccc} X \downarrow & Y \downarrow & Z \downarrow \end{array}$$

$$W : \mathbb{C}^2 \times \mathbb{C}^2 \rightharpoonup \mathbb{C}^2$$