

$$\begin{array}{ccc}
 \mathbb{I}_{\mathbb{C}}^2 \begin{array}{c} \nearrow \\ \omega \end{array} \mathbb{C}^{\nu} & \xrightarrow{\quad \quad \quad \rangle \quad \quad} & \mathbb{C}^2_m \begin{array}{c} \nearrow \\ \omega \end{array} X_{\mathbb{C}}^+
 \end{array}$$