

$$\begin{array}{ccc}
 V & \xrightarrow{f} & W \\
 \text{psi}_B \downarrow & \begin{array}{c} // \\ // \\ // \\ \text{(commutative)} \end{array} & \downarrow \text{psi}_C \\
 K^n & \xrightarrow{\quad \text{f tilde} \quad} & K^m
 \end{array}$$