

$$\begin{array}{ccccc}
X & \xrightarrow{v_x} & V_X & \xrightarrow{u_x} & U_X & \text{(in } \mathcal{A} \text{)} \\
\downarrow Q & & & & \downarrow Q & \\
X & \overset{[1]}{\dashrightarrow} & & & X[1] & \text{(in Ho}\mathcal{A}\text{)}
\end{array}$$