

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