

$$\begin{array}{ccc}
 X_{\bullet} & \xrightarrow{m_{\bullet}} & A^{\Lambda} \\
 \downarrow f_{\bullet} & \nearrow s_{\bullet} & \downarrow g^{\Lambda} \\
 Y_{\bullet} & \xrightarrow{n_{\bullet}} & B^{\Lambda}
 \end{array}$$