

$$\begin{array}{ccccccc}
& \bullet & & \bullet & & \bullet & \swarrow -1 \\
& \downarrow & & \downarrow & & \downarrow & \swarrow 0 \\
\bullet & \longrightarrow (C, K) & \xrightarrow{i_*} & (C, X) & \xrightarrow{p_*} \twoheadrightarrow & (C, Y) & \longrightarrow 0 \\
& \downarrow q^* & & \downarrow q^* & & \downarrow q^* & \swarrow 1 \\
\bullet & \longrightarrow (B, K) & \xrightarrow{i_*} & (B, X) & \xrightarrow{p_*} & (B, Y) & \xrightarrow{\varepsilon!} \mathbb{E}(B, K) \longrightarrow \bullet \\
& \downarrow j^* & & \downarrow j^* & & \downarrow j^* & \downarrow \\
\bullet & \longrightarrow (A, K) & \xrightarrow{i_*} & (A, X) & \xrightarrow{p_*} & (A, Z) & \xrightarrow{\varepsilon!} \mathbb{E}(A, K) \longrightarrow \bullet \\
& \downarrow & & \downarrow \delta! & & \downarrow \delta! & \downarrow \\
& 0 & \longrightarrow & \mathbb{E}(C, X) & \hookrightarrow & \mathbb{E}(C, Y) & \longrightarrow \bullet \\
& & & \downarrow & & \downarrow & \\
& & & \bullet & & \bullet & 
\end{array}$$