

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