$$\delta \qquad \mathbb{E}[Z,X] \xrightarrow{\mathfrak{s}} [X,Z] \qquad X \xrightarrow{a} Y \xrightarrow{b} Z \qquad \mathfrak{s}(\delta)$$

$$\downarrow f_{*} \qquad \qquad \downarrow f_{*} \qquad \qquad \downarrow \exists \varphi \qquad \qquad \downarrow \downarrow$$

$$f_{*}\delta \qquad \mathbb{E}[Z,X'] \xrightarrow{\mathfrak{s}} [X',Z] \qquad X' \xrightarrow{a'} Y' \xrightarrow{b'} Z \qquad \mathfrak{s}(f_{*}\delta)$$