$$
\begin{array}{ccc}
\mathbb{F}(LZ, LX) & \xrightarrow{\varepsilon_{LZ}^* \circ (\varepsilon_{LX})_*^{-1}} & \mathbb{F}(LRLZ, LRLX) \\
\Big\uparrow{\scriptstyle l_{Z,X}} & & \Big\uparrow{\scriptstyle l_{RLZ, RLX}} \\
\mathbb{E}(Z, X) & \xrightarrow[(\eta_X)_* (\eta_Z^*)^{-1}]{} & \mathbb{E}(RLZ, RLX)
\end{array}
$$