$$\mathcal{L}_0 \xrightarrow{\quad A \quad} \mathcal{L}_1$$

$$\mathcal{L}_1 \underset{L}{\overset{R}{\rightleftarrows}} Sets^{\mathcal{L}_0^{opp}}$$

$$\mathcal{L}_0 \xrightarrow{\quad PSh \quad} Sets^{\mathcal{L}_0^{opp}}$$