$$\text{cpt } K \xrightarrow[\text{stet/inj}]{\rotatebox{90}{γ}} Y \implies \begin{cases} ^K\rotatebox{90}{γ} \text{ cpt} \\ ^K\rotatebox{90}{γ} \xrightarrow[\text{stet}]{\rotatebox{90}{γ}^{-1}} K \end{cases}$$