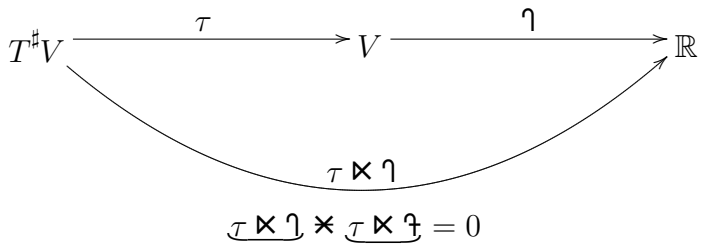
$$g \ltimes v \in V \to G \ltimes V \ni g{:}v$$

$$T^\sharp V \rtimes G \xrightarrow[\text{plex}]{} T^\sharp V$$

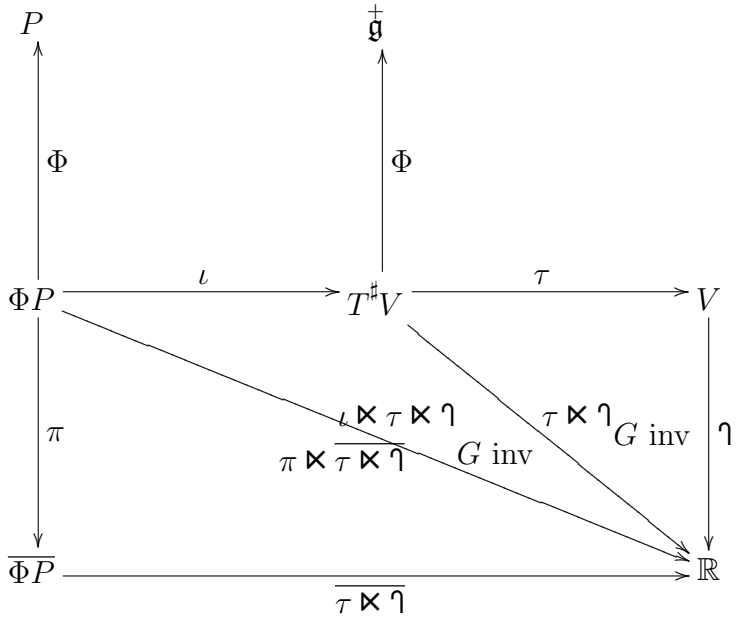
$$\underbrace{v{:}\ell} \rtimes g = \underbrace{\overset{-1}{g} \ltimes v}{:}\underbrace{\ell \rtimes g}$$

$$T^\sharp V \xrightarrow[\text{mom}]{\Phi} \overset{+}{\mathfrak{g}}$$

$${}_{v:\ell}\Phi\,\gamma = \ell \underbrace{\gamma \ltimes v}$$



$$\underbrace{\tau \ltimes \gamma} \rtimes \underbrace{\tau \ltimes \mathfrak{h}} = 0$$



$$\begin{cases} \pi \ltimes \overline{\tau \ltimes \gamma} = \iota \ltimes \underbrace{\tau \ltimes \gamma} \\ \pi \ltimes \overline{\tau \ltimes \mathfrak{h}} = \iota \ltimes \underbrace{\tau \ltimes \mathfrak{h}} \end{cases} \Rightarrow \pi \ltimes \overline{\underbrace{\tau \ltimes \gamma} * \underbrace{\tau \ltimes \mathfrak{h}}} = \iota \ltimes \underbrace{\widehat{\tau \ltimes \gamma} * \widehat{\tau \ltimes \mathfrak{f}}} = 0$$