

$$\mathbb{H}_{\infty} \underbrace{\mathbb{H}_{\infty} \triangleleft \mathbb{L} \Gamma G}_{\infty} \ni \mathfrak{q} \text{ G-struct}$$

$$\mathbb{C}|\mathbb{L} \times_{\mathbb{C}|\mathbb{L}} \mathbb{H}_{\infty} \underbrace{\mathbb{H}_{\infty} \triangleleft \mathbb{L} \Gamma G}_{\infty} = \frac{\tilde{\mathfrak{q}} \in \mathbb{C}|\mathbb{L} \times_{\mathbb{C}|\mathbb{L}} \mathbb{H}_{\infty} \underbrace{\mathbb{H}_{\infty} \triangleleft \mathbb{L} \Gamma G}_{\infty}}{p\tilde{\mathfrak{q}} = g^{-1}p\tilde{\mathfrak{q}} \text{ homog}}$$

$$\begin{array}{c} \mathbb{H}_{\infty} \underbrace{\mathbb{H}_{\infty} \triangleleft \mathbb{L} \Gamma G}_{\infty} \\ \updownarrow \begin{array}{l} a \\ b \end{array} \\ \mathbb{C}|\mathbb{L} \times_{\mathbb{C}|\mathbb{L}} \mathbb{H}_{\infty} \underbrace{\mathbb{H}_{\infty} \triangleleft \mathbb{L} \Gamma G}_{\infty} \end{array}$$