

$$\mathbb{S}^1 \triangleleft_0 \mathfrak{h} = \frac{0|1 \xrightarrow{\mathfrak{L}} \mathfrak{h}}{0|\mathfrak{L} = o = 1|\mathfrak{L}}$$

$$\mathfrak{L} \in \mathbb{S}^1 \triangleleft_0 \mathfrak{h} \Rightarrow \mathfrak{L} + \mathfrak{L}' \in \mathbb{S}^1 \triangleleft_0 \mathfrak{h} \ni \mathfrak{L}^-$$

$$\mathfrak{L} \in \mathbb{H} \triangleleft_{1+} \mathfrak{h} \text{ oriented } \mathcal{C}^1 \text{ curve}$$

$$\mathbb{Z} \triangleleft_{1+} \mathfrak{h} \rightarrow \mathbb{Z} \triangleleft_{0 \ 1+} \mathfrak{h}$$