

$$\mathbb{T} \triangleleft \mathbb{1} = \mathbb{T} \triangleleft \mathbb{1} \vDash \mathbb{T} \triangleleft \mathbb{1} = \mathbb{T} \triangleleft_{\text{ext}} \mathbb{1}$$

$$\mathbb{T} \triangleleft \mathbb{1} = \mathbb{T} \triangleleft \mathbb{1} = \frac{a \in \mathbb{T} \triangleleft \mathbb{1}}{\underbrace{\mathbb{L} \times \mathbb{L}}_{\mathbb{1}} \mathbb{1} = \mathbb{L} \times \underbrace{\mathbb{L}}_{\mathbb{1}} + \underbrace{\mathbb{L}}_{\mathbb{1}} \times \mathbb{L}}$$

$$\mathbb{T} \triangleleft \mathbb{1} = \mathbb{T} \triangleleft \mathbb{1} = \frac{\mathbb{L} \mapsto \mathbb{1} \times \mathbb{L} - \mathbb{L} \times \mathbb{1}}{\mathbb{1} \in \mathbb{1}}$$

$$\mathbb{1} \nabla \mathbb{1} = \mathbb{1} \nabla \mathbb{1} \vDash \mathbb{1} \nabla \mathbb{1}$$

$$\mathbb{L} \in \mathbb{1} \nabla \mathbb{1}$$

$$\mathbb{1} \nabla \mathbb{1} = \frac{\mathbb{L} \mathbb{1} \times \mathbb{1} = \mathbb{L} \mathbb{1} \times \mathbb{1} + \mathbb{1} \times \mathbb{L} \mathbb{1}}{\mathbb{1} \mathbb{1} \times \mathbb{1} = \mathbb{L} \mathbb{1} \times \mathbb{1} + \mathbb{1} \times \mathbb{L} \mathbb{1}}$$

$$\mathbb{1} \nabla \mathbb{1} = \underbrace{\mathbb{1} \nabla \mathbb{1}}_d = \frac{\mathbb{1} \mapsto \mathbb{1} \times \mathbb{1} - \mathbb{1} \times \mathbb{1}}{\mathbb{1} \in \mathbb{1}}$$