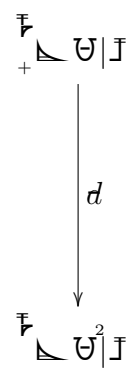


$$\begin{aligned} \mathbb{F} \backslash \mathcal{U}^1 \mathbb{J} &= \frac{\mathcal{H} \in \mathbb{F} \backslash \mathcal{E}^1 \mathbb{J} \text{ nexion}}{\mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} = \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} + \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H}} \\ &= \frac{\mathbb{F} \backslash \mathcal{U}^1 \mathbb{J} \leftarrow \mathcal{H} \mathbb{J}}{\bigwedge_{\mathcal{H} \in \mathbb{F}} \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} = \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} + \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} : \bigwedge_{\mathcal{H} \in \mathbb{F}} \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} = \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} + \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H}} \end{aligned}$$

$$\mathcal{H} - \mathcal{H} \in \mathbb{F} \backslash \mathcal{U}^1 \mathbb{J}$$

$$\begin{aligned} &\mathcal{H} - \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} + \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} \\ = &\mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} - \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} + \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} - \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} = \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} - \mathcal{H} \otimes \mathcal{H} \otimes \mathcal{H} = 0 \Rightarrow \mathcal{H} - \mathcal{H} \in \mathcal{U}^1 \mathbb{J} \end{aligned}$$



$$\underbrace{d\psi}_H = \underbrace{\psi}_H * \underbrace{\psi}_H - \underbrace{\psi * \psi}_H \in \mathcal{U} | \mathbb{J}$$

$$\begin{aligned} \underbrace{d\psi}_H * \psi &= \underbrace{\psi}_H \underbrace{\psi}_H * \psi - \underbrace{\psi}_H \underbrace{\psi}_H * \psi - \underbrace{\psi * \psi}_H * \psi \\ &= \psi * \underbrace{\psi}_H * \psi - \underbrace{\psi}_H * \underbrace{\psi}_H * \psi - \psi * \underbrace{\psi}_H * \psi + \underbrace{\psi}_H * \underbrace{\psi}_H * \psi - \underbrace{\psi * \psi}_H * \psi + \psi * \underbrace{\psi}_H * \psi \\ &= \psi * \psi * \psi - \psi * \psi * \psi - \psi * \psi * \psi + \psi * \psi * \psi \\ &\quad - \psi * \psi * \psi + \psi * \psi * \psi + \psi * \psi * \psi - \psi * \psi * \psi \\ &= -\underbrace{\psi * \psi}_H * \psi + \psi * \underbrace{\psi}_H * \psi = \psi * \underbrace{\psi}_H * \psi - \underbrace{\psi}_H * \underbrace{\psi}_H * \psi + \underbrace{\psi * \psi}_H * \psi = -\psi * \underbrace{d\psi}_H \end{aligned}$$