$$\mathfrak{b}^{\,\vec{m}}_{\blacktriangle}\mathfrak{b} = \frac{d\mathfrak{a}}{\mathfrak{b}\overset{\cdots}{\times}\mathfrak{b} \xleftarrow[\text{(m-1)-lin}]{\mathfrak{a}} \mathfrak{b}}$$

$$\sqcap$$

$$\mathfrak{b}^{\,\vec{m}}_{\blacktriangle}\mathfrak{b} = \frac{\mathfrak{b}\overset{\cdots}{\times}\mathfrak{b} \xleftarrow[\text{m-lin}]{\mathfrak{a}} \mathfrak{b}}{d\mathfrak{a} = 0}$$

$$\Big\downarrow \jmath$$

$$\mathfrak{b}^{\,\vec{m}}_{\blacktriangle}\mathfrak{b} = {}^{\mathfrak{b}}_{\blacktriangle}\mathfrak{b}^{\,\vec{m}}\mathfrak{b} \vdash {}^{\mathfrak{b}}_{\blacktriangle}\mathfrak{b}^{\,\vec{m}}$$