

$$\mathbb{L} \times \mathbb{L} \times \mathbb{L} \xleftarrow[\text{bimod}]{} \mathbb{L}$$

$$\mathbb{L} \nabla_{\mathbb{L}} = \left\{ \mathbb{L} \xleftarrow{\mathbb{L}} \mathbb{X} \mathbb{L} \text{ m-lin} \right\} = \left\{ \mathbb{L} \xleftarrow[\text{lin}]{\mathbb{L}} \mathbb{X} \mathbb{L} \right\}$$

$$\mathbb{L} \nabla_{\mathbb{L}} \stackrel{\mathbb{L} \xleftarrow[\mathbb{L}^1 \cdots e \cdots \mathbb{L}^m]{\text{McL}}}{283} 0$$

$$\mathbb{L} \nabla_{\mathbb{L}} = \sum_m \mathbb{L} \nabla_{\mathbb{L}}$$

$$\mathbb{L} \nabla_{\mathbb{L}} \stackrel{d}{\leftarrow} {}_{m+1} \nabla_{\mathbb{L}}$$

$$\begin{aligned} \mathbb{L} d \underbrace{\mathbb{L}^0 \mathbb{X} \mathbb{L}^m}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^m} &= \mathbb{L}^0 \times \overbrace{\mathbb{L} \underbrace{\mathbb{L}^1 \mathbb{X} \mathbb{L}^m}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-1}}} - {}_{-1} \overbrace{\mathbb{L} \underbrace{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-1}}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-2}} \times \mathbb{L}^m} - \sum_j^m {}_{-1} \mathbb{L} \underbrace{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{j-1}}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{j-2}} \mathbb{X} \underbrace{\mathbb{L}^j \times \mathbb{L}^{j+1}}_{\mathbb{L}^j \times \mathbb{L}^{j+2}} \mathbb{X} \underbrace{\mathbb{L}^{j+2} \mathbb{X} \mathbb{L}^m}_{\mathbb{L}^{j+2} \mathbb{X} \mathbb{L}^m} \\ &= \mathbb{L}^0 \times \overbrace{\mathbb{L} \underbrace{\mathbb{L}^1 \mathbb{X} \mathbb{L}^m}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-1}}} + {}_{-1} \overbrace{\mathbb{L} \underbrace{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-1}}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{m-2}} \times \mathbb{L}^m} + \sum_{1 \leq i \leq m} {}_{-1} \mathbb{L} \underbrace{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{i-2}}_{\mathbb{L}^0 \mathbb{X} \mathbb{L}^{i-3}} \mathbb{X} \underbrace{\mathbb{L}^{i-1} \times \mathbb{L}^i}_{\mathbb{L}^{i-1} \times \mathbb{L}^i} \mathbb{X} \underbrace{\mathbb{L}^{i+1} \mathbb{X} \mathbb{L}^m}_{\mathbb{L}^{i+1} \mathbb{X} \mathbb{L}^m} \end{aligned}$$

$$\mathbb{L} dd = 0$$