$$\mathbb{J}_{\cdot} = \mathbb{J}_0 \times \mathbb{J}_1 \in \triangle\mathbb{K}\ \text{sAlg} :\Leftrightarrow \begin{cases} \mathbb{J}_{\cdot} = \mathbb{J}_0 \times \mathbb{J}_1 \in \triangle\mathbb{K}\ \text{sVR} \\ \mathbb{J}_{\cdot} \in \triangle\mathbb{K}\ \text{ass Alg} \\ \mathbb{J}_p \times \mathbb{J}_q \subset \mathbb{J}_{p+q} \end{cases}$$

$$\mathbb{J}_0 \times \mathbb{J}_0 \subset \mathbb{J}_0 \supset \mathbb{J}_1 \times \mathbb{J}_1$$

$$\mathbb{J}_0 \times \mathbb{J}_1 \subset \mathbb{J}_1 \supset \mathbb{J}_1 \times \mathbb{J}_0$$

$$\dot{\mathbb{J}}_{\cdot} \in \triangle\mathbb{K}\ \text{sAlg} \implies \mathbb{J}_{\cdot} \circledast \acute{\mathbb{J}}_{\cdot}\ \text{sAlg grad tensor product}$$

$$\underbrace{j \boxtimes i}\,\underbrace{j' \boxtimes i'} = -1^{|i||j'|}\,\underbrace{j \times j'} \boxtimes \underbrace{i \times i'}$$

$$\bar{\mathbb{L}}{:}\times = \bar{\mathbb{L}}_0 \times \bar{\mathbb{L}}_1\ \text{sAlg}$$

$$\implies \bar{\mathbb{L}} \underset{0}{\boxtimes} \Lambda = \underbrace{\bar{\mathbb{L}}_0 \boxtimes \Lambda_0} \times \underbrace{\bar{\mathbb{L}}_1 \boxtimes \Lambda_1}{:}\times\ \text{ungraded Alg}$$

$$\underbrace{\ell_0 \boxtimes \lambda_0 + \ell_1 \boxtimes \lambda_1} \times \underbrace{\ell'_0 \boxtimes \lambda'_0 + \ell'_1 \boxtimes \lambda'_1} =$$

$$\underbrace{\ell_0 \times \ell'_0} \boxtimes \underbrace{\lambda_0 \times \lambda'_0} + \underbrace{\ell_0 \times \ell'_1} \boxtimes \underbrace{\lambda_0 \times \lambda'_1} + \underbrace{\ell_1 \times \ell'_0} \boxtimes \underbrace{\lambda_1 \times \lambda'_0} - \underbrace{\ell_1 \times \ell'_1} \boxtimes \underbrace{\lambda_1 \times \lambda'_1}$$

$$\bar{\mathbb{L}}{:}\times\ \text{sGel} \Leftrightarrow \bar{\mathbb{L}} \underset{0}{\boxtimes} \Lambda{:}\times\ \text{Gel}$$