$$\xrightarrow{\partial} \underbrace{\mathbb{K}\,⊓ᖯ}_{n+1}\,⊒ᖯ \xrightarrow{\partial} \underbrace{\mathbb{K}\,⊓ᖯ}_{n}\,⊒ᖯ \xrightarrow{\partial} \underbrace{\mathbb{K}\,⊓ᖯ}_{1}\,⊒ᖯ \xrightarrow{\partial} \frac{\mathbb{K}\,⊓ᖯ\,⊒ᖯ}{\underset{0}{=}\,\mathbb{K}\,⊓ᖯ} \xrightarrow{\text{on}} \mathbb{K}$$

proj resolution of $\mathbb{K}$

$$\underrightarrow{ᖩ⊠_0ᕱ⊠\cdots⊠{}_nᕱ} = \sum_{0 \leqslant i \leqslant n} -1^{i}\,\underbrace{ᖩ\times{}_iᕱ}\,⊠\,{}_0ᕱ\,⊠\cdots⊠\,{}_i\hat{ᕱ}\,⊠\cdots⊠\,{}_nᕱ$$

$$+ \sum_{0 \leqslant i < j \leqslant n} -1^{j-i}\,ᖩ⊠\,\overbrace{{}_iᕱ\times{}_jᕱ}\,⊠\,{}_0ᕱ\,⊠\cdots⊠\,{}_i\hat{ᕱ}\,⊠\cdots⊠\,{}_j\hat{ᕱ}\,⊠\cdots⊠\,{}_nᕱ$$

$$\underrightarrow{ᖩ⊠ᖯ} = ᖩ\times ᖯ$$

$$\underrightarrow{ᖩ} = \operatorname{tr} ᖩ$$