

$$\left\{ \begin{array}{l} \langle 1+m \rangle = \frac{\underbrace{L^0 \dots L^m}_{\in \mathbb{R}^{1+m}}}{0 \leq L^j \leq 1: \sum_{0 \leq j \leq m} L^j = 1} \in \Delta_0 \text{ top Raum} \\ 1+m: = \{0 \dots m\} \in \Delta_s \text{ simpl Raum} \end{array} \right.$$

$$\sum_{\mathfrak{L}} \varphi_{\mathfrak{L}} \mathfrak{L} = \mathfrak{b} \in \left\{ \begin{array}{l} \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h} = \Phi \left\{ \langle 1+m \rangle \xrightarrow[\text{stet}]{\mathfrak{L}} \mathfrak{h} \right\} \\ \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h} = \Phi \left\{ 1+m \xrightarrow[\text{sim}]{\mathfrak{L}} \mathfrak{h} \right\} \end{array} \right.$$

$$\left\{ \begin{array}{l} \Phi_{\mathfrak{I}_0} \nabla \mathfrak{h} = \sum_{\mathfrak{m}} \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h} \\ \Phi_{\mathfrak{I}_s} \nabla \mathfrak{h} = \sum_{\mathfrak{m}} \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h} \end{array} \right.$$

$$\sum_{\mathfrak{L}} \varphi_{\mathfrak{L}} \mathfrak{L} \times \sum_{\mathfrak{L}} \varphi_{\mathfrak{L}} \mathfrak{L} = \sum_{\mathfrak{L}} \underbrace{\varphi_{\mathfrak{L}} \times \varphi_{\mathfrak{L}}}_{\mathfrak{L}}$$

$$\mathfrak{h} \subset \mathfrak{h} \subset \mathfrak{h} \Rightarrow \mathfrak{h}/\mathfrak{h} \xrightarrow{i} \mathfrak{h}/\mathfrak{h} \xrightarrow{j} \mathfrak{h}/\mathfrak{h} \rightarrow 0 \Rightarrow \left\{ \begin{array}{l} 0 \rightarrow \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h}/\mathfrak{h} \xrightarrow{i} \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h}/\mathfrak{h} \xrightarrow{j} \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h}/\mathfrak{h} \rightarrow 0 \\ 0 \rightarrow \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h} \xrightarrow{i} \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h} \xrightarrow{j} \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h} \rightarrow 0 \end{array} \right.$$

$$\mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h}_0$$

$$i$$

$$\mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h}$$

$$j$$

$$\mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h}_0 = \mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h} \cap \mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h}_0$$

$$\left\{ \begin{array}{l} \Phi_{\mathfrak{m}_0} \nabla \mathfrak{h}/\mathfrak{h}_0 = \Phi_{\mathbb{Z}_{\mathfrak{m}_0}} \mathbb{Z}_{\mathfrak{m}_0} \nabla \mathfrak{h}/\mathfrak{h}_0 \\ \Phi_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h}_0 = \Phi_{\mathbb{Z}_{\mathfrak{m}_s}} \mathbb{Z}_{\mathfrak{m}_s} \nabla \mathfrak{h}/\mathfrak{h}_0 \end{array} \right.$$