

$$\left\{ \begin{array}{l} \mathbb{J} \nabla \mathbb{K}^{\mathbb{N}} \\ \Gamma \nabla \mathbb{K}^{\mathbb{N}} \end{array} \right\} \xleftarrow{\quad \mathbb{J}_j \quad} 2^N \mathbb{K}$$

$$\left\{ \begin{array}{l} \mathbb{J} \nabla \mathbb{K}^{\mathbb{N}} \\ \Gamma \nabla \mathbb{K}^{\mathbb{N}} \end{array} \right\} \ni \mathbb{J}_j \text{ standard cobasis}$$

$$\dot{\mathfrak{h}} = \mathbb{J} \underbrace{\mathbb{J}_j \dot{\mathfrak{h}}}_{} \quad {}^I \delta_J = {}^I \mathbb{J} \mathbb{J}_j$$

$$\begin{array}{ccc} & & 2^N \mathbb{K} \\ & \swarrow & \uparrow \\ \text{}^{\mathfrak{h}} \times \left\{ \begin{array}{l} \mathbb{J} \nabla \mathbb{K}^{\mathbb{N}} \\ \Gamma \nabla \mathbb{K}^{\mathbb{N}} \end{array} \right\} & & \\ & \nwarrow & \downarrow \\ & & 2^N \mathbb{K} \end{array} \quad \begin{array}{l} \text{}^{\mathfrak{h}} \mathfrak{F}_j = \text{}^{\mathfrak{h}} \mathfrak{F}_j \text{}^{\mathfrak{h}} \dot{\mathfrak{h}} \\ \text{}^{\mathfrak{h}} \dot{\mathfrak{h}} \quad \text{}^{\mathfrak{h}} \dot{\mathfrak{h}} \\ \text{}^{\mathfrak{h}} \mathfrak{F}_j = \text{}^{\mathfrak{h}} \mathfrak{F}_j \text{}^{\mathfrak{h}} \dot{\mathfrak{h}} \end{array}$$

$$\text{}^{\mathfrak{h}} \times \left\{ \begin{array}{l} \mathbb{J} \nabla \mathbb{K}^{\mathbb{N}} \\ \Gamma \nabla \mathbb{K}^{\mathbb{N}} \end{array} \right\} \ni \text{}^{\mathfrak{h}} \mathfrak{F}_j \text{ cobasis}$$

$$\dot{\mathfrak{h}} = \text{}^{\mathfrak{h}} \mathfrak{J} \underbrace{\text{}^{\mathfrak{h}} \mathfrak{F}_j \dot{\mathfrak{h}}}_{} \quad {}^I \delta_J = \text{}^{\mathfrak{h}} \mathfrak{J} \text{}^{\mathfrak{h}} \mathfrak{F}_j$$