

$$\widehat{\dot{p}^p \pi}^{p\pi} \mathfrak{A} = p \underbrace{\dot{p}^{p\mathfrak{A}}}$$

$$\widehat{\dot{p}_1^{p\pi}} \widehat{\dot{p}_2^{p\pi}}^{p\pi} \mathfrak{A} = p \colon \widehat{\dot{p}_1 \dot{p}_2^{p\mathfrak{A}}}$$

$$\widehat{\dot{p}_1^{p\pi}} \cdots \widehat{\dot{p}_m^{p\pi}}^{p\pi} \mathfrak{A} = p \colon \widehat{\dot{p}_1 \cdots \dot{p}_m^{p\mathfrak{A}}}$$

$$\begin{array}{ccc} P_{\underline{p}} & \xrightarrow[\text{tens}]{p\mathfrak{A}} & \mathbb{H} \\ \downarrow p\pi_{\underline{}} & & \downarrow p\colon \\ \mathbb{H}_x & \xrightarrow{x\mathfrak{A}} & \mathbb{H}\times x \end{array} \qquad \begin{array}{ccc} P_{\underline{p}} & \xrightarrow[\text{tens}]{p\widetilde{\nabla}\mathfrak{A}} & \mathbb{H} \\ \downarrow p\pi_{\underline{}} & & \downarrow p\colon \\ \mathbb{H}_x & \xrightarrow{x\widetilde{\nabla}\mathfrak{A}} & \mathbb{H}\times x \end{array}$$

$$\dot{p}_1 \dot{p}_2^{p\widetilde{\nabla}\mathfrak{A}} = \dot{p}_1 \dot{p}_2^{p\widetilde{d\mathfrak{A}}} + \frac{1}{2} \underbrace{\dot{p}_1^{p\mathfrak{A}}} \rtimes \underbrace{\dot{p}_2^{p\mathfrak{A}}}$$

$$\widehat{\dot{p}_1^{p\pi}} \widehat{\dot{p}_2^{p\pi}}^{p\widetilde{\nabla}\mathfrak{A}} = p \underbrace{\dot{p}_1 \dot{p}_2^{p\widetilde{d\mathfrak{A}}}} + \frac{1}{2} \underbrace{\dot{p}_1^{p\mathfrak{A}}} \rtimes \underbrace{\dot{p}_2^{p\mathfrak{A}}}$$

$$\begin{aligned} \dot{x}_1 \dot{x}_2^{x\Omega} &= \underbrace{\mathfrak{b}R_g^{g\pi}} \underbrace{\mathfrak{t}R_g^{g\pi}}^{g\pi} \Omega \stackrel{\text{KN}}{76} \circ_{\underline{g}} \left(\mathfrak{b}R_g \cdot \mathfrak{t}R_g^{g\widetilde{\Omega}} \right) \\ &= \circ_{\underline{g}} \left(\mathfrak{b}R_g \cdot \mathfrak{t}R_g^{g\widetilde{d\Omega}} + \frac{1}{2} \overbrace{\mathfrak{b}R_g^{g\mathfrak{A}}} \rtimes \overbrace{\mathfrak{t}R_g^{g\mathfrak{A}}} \right) \end{aligned}$$