

$$\begin{array}{ccc}
\mathfrak{D}/\Omega|\Gamma \times \Gamma \cap \mathfrak{U}|\Gamma:\Gamma & \xrightarrow{a} & \mathfrak{U}|\Gamma \begin{array}{c} \mathfrak{D}/\mathfrak{D} \\ \Gamma_0 \\ \mathfrak{U} \end{array} \\
\uparrow \text{exp} & & \uparrow \text{exp} \\
\mathfrak{D}/\Omega|\Gamma \times \Gamma \cap \mathfrak{U}|\Gamma:\Gamma & \xrightarrow{q} & \mathfrak{U}|\Gamma \begin{array}{c} \mathfrak{D}/\mathfrak{D} \\ \Gamma_0 \\ \mathfrak{U} \end{array} \\
\uparrow \text{exp} & & \uparrow \text{exp} \\
{}^{2n}\mathbb{K}_{2n}^{\mathfrak{D}/\Omega} \cap {}^{n:n}\mathbb{K}_{n:n}^{\mathfrak{U}} & \xrightarrow{a} & \mathfrak{U}|\mathfrak{U}^n \mathbb{K}_n^{\mathfrak{D}/\mathfrak{D}} \\
\uparrow \text{exp} & & \uparrow \text{exp} \\
{}^{2n}\mathbb{K}_{2n}^{\mathfrak{D}/\Omega} \cap {}^{n:n}\mathbb{K}_{n:n}^{\mathfrak{U}} & \xrightarrow{q} & \mathfrak{U}|\mathfrak{U}^n \mathbb{K}_n^{\mathfrak{D}/\mathfrak{D}}
\end{array}$$

$$\mathfrak{D}/\Omega|\Gamma \times \Gamma \cap \mathfrak{U}|\Gamma:\Gamma \xrightarrow[\text{hom}]{\times} \mathfrak{U}|\Gamma \begin{array}{c} \mathfrak{D}/\mathfrak{D} \\ \Gamma_0 \\ \mathfrak{U} \end{array}$$

$${}^{2n}\mathbb{K}_{2n}^{\mathfrak{D}/\Omega} \cap {}^{n:n}\mathbb{K}_{n:n}^{\mathfrak{U}} \xrightarrow[\text{hom}]{\times} \mathfrak{U}|\mathfrak{U}^n \mathbb{K}_n^{\mathfrak{D}/\mathfrak{D}}$$

$$\mathfrak{D}/\Omega|\Gamma \times \Gamma \cap \mathfrak{U}|\Gamma:\Gamma \xrightarrow[\text{hom}]{\times} \mathfrak{U}|\Gamma \begin{array}{c} \mathfrak{D}/\mathfrak{D} \\ \Gamma_0 \\ \mathfrak{U} \end{array}$$

$${}^{2n}\mathbb{K}_{2n}^{\mathfrak{D}/\Omega} \cap {}^{n:n}\mathbb{K}_{n:n}^{\mathfrak{U}} \xrightarrow[\text{hom}]{\times} \mathfrak{U}|\mathfrak{U}^n \mathbb{K}_n^{\mathfrak{D}/\mathfrak{D}}$$

$$\times \frac{-\mathbb{J} \mid \mathbb{J}}{-\mathcal{K} \mathbb{J} \mid \mathbb{J}} = \underbrace{\mathbb{J} \mathbb{J} + \mathcal{K} \mathbb{J} \mathbb{J} + \mathbb{J} + \mathbb{J} \mathbb{J}} \partial_r$$