

$$\begin{array}{ccc}
 \mathcal{U} \cap \mathcal{V} & \xrightarrow{\phi} & (\mathring{D}_j^i(\epsilon_1) \setminus \{c_{ij}\}) \times \mathbb{R}^{m-i} \\
 \downarrow \psi & & \downarrow \rho \times id \\
 \mathring{D}_l^k(\epsilon_2) \times \mathbb{R}^{m-k} & \xrightarrow{\iota \times p} & X^{i-1} \times \mathbb{R}^{m-i}
 \end{array}$$