

$$\begin{array}{ccccc}
 U & \xrightarrow{e_1} & V & \xrightarrow{f} & C \\
 \uparrow s & & \downarrow e & & \uparrow f_i \\
 W & \xrightarrow{e \circ e_1 \circ s} & W = \prod_{i \in J} C_i & \xrightarrow{\pi_k} & C_k
 \end{array}$$