$$\pi_{1}(U_{0}, x_{0}) \xrightarrow{i_{1*}} \pi_{1}(U_{1}, x_{0})$$

$$\downarrow_{i_{2*}} \downarrow \qquad \qquad \downarrow_{j_{1*}}$$

$$\pi_{1}(U_{2}, x_{0}) \xrightarrow{j_{2*}} \pi_{1}(X, x_{0})$$

$$\downarrow_{h_{2}}$$

$$\uparrow_{h_{2}}$$

$$\uparrow_{h_{1}}$$

$$\uparrow_{h_{2}}$$