

$$\begin{array}{ccc}
 \pi_1(X, x_1) \times \pi_n(X, x_1) & \xrightarrow{\quad \odot \quad} & \pi_n(X, x_1) \\
 \downarrow S_{[\tau]} \times S_{[\tau]} & & \downarrow S_{[\tau]} \\
 \pi_1(X, x_0) \times \pi_n(X, x_0) & \xrightarrow[\quad \odot \quad]{} & \pi_n(X, x_0)
 \end{array}$$