

$$\begin{array}{ccccc}
 & f^* E_v & \longrightarrow & E_v & \\
 & \swarrow & \downarrow & \swarrow & \downarrow \\
 f^* E & \longrightarrow & E & & \\
 \downarrow & & \downarrow & & \downarrow \\
 & U & \longrightarrow & V & \\
 \swarrow & & \downarrow & \swarrow & \\
 M & \longrightarrow & N & & 
 \end{array}$$