

$$\begin{array}{ccc}
 X & \longrightarrow & M_k \\
 \downarrow & \nearrow & \downarrow \\
 M_j & \xrightarrow{\text{split}} & M_j \sqcup_X M_k
 \end{array}
 \qquad
 \begin{array}{ccc}
 X & \longrightarrow & \varinjlim^{fil} M_k \; \; \; \; \; \; \; M \\
 \downarrow & \nearrow & \downarrow \text{split} \\
 M_j & \xrightarrow{\text{pure.}} & M_j \sqcup_X \varinjlim^{fil} M_k \; \; \; \; \; \; \; M_j \sqcup_X M
 \end{array}$$