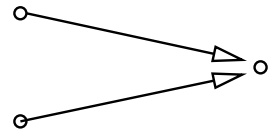
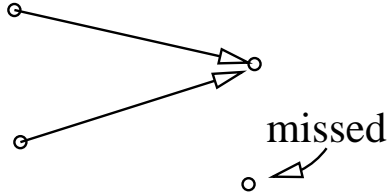


$A \xrightarrow{f} B$

a surjection



$A \xrightarrow{f} B$

NOT
a surjection