

Figure 1: Product

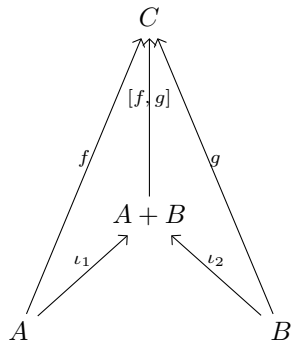


Figure 2: Sum (co-product)

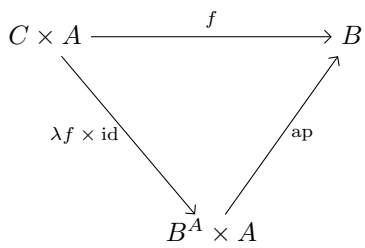


Figure 3: Exponential

$$\begin{array}{ccc}
 A & \xrightarrow{f} & B \\
 g \downarrow & & \downarrow g' \\
 C & \xrightarrow{f'} & D
 \end{array}$$

Figure 4: Pullback