

$$\begin{array}{ccc}
 \mathbf{P}_1 & \xrightarrow[\text{NRel}]{f_1} & \mathbf{S}_1 \\
 f \downarrow \text{NSet} & & \text{NSet} \uparrow g \\
 \mathbf{P}_2 & \xrightarrow[f_2]{\text{NRel}} & \mathbf{S}_2
 \end{array}$$