

$$\begin{array}{ccc}
 (f, g) & \xrightarrow{\eta_R} & \Delta(R) \\
 & \searrow \eta_S & \downarrow \Delta(t) \\
 & & \Delta(S)
 \end{array}
 \qquad
 \begin{array}{c}
 R \\
 \downarrow t \\
 S
 \end{array}$$