

$$\begin{array}{ccc}
 a^L & \longleftarrow & a \\
 \downarrow & & \downarrow \\
 b & \Longrightarrow & b^R
 \end{array}$$

$$\begin{array}{c}
 P \& Q \\
 \vdots (P \&) f \\
 P \& R
 \end{array}
 \quad := \quad
 \frac{
 \frac{
 \frac{
 P \& Q \\
 \vdots f \\
 R
 }{P}
 }{P \& R}
 }{P \& R}$$