

$$\begin{array}{ccc}
 B & \xrightarrow{\omega_a} & S(a, a) \\
 \omega_{a'} \downarrow & \swarrow \omega_f & \downarrow S(a, f) \\
 S(a', a') & \xrightarrow{S(f', a')} & S(a, a') \\
 & \Downarrow & \\
 & \xrightarrow{S(f, a')} &
 \end{array}$$

$$\begin{array}{ccc}
 B & \xrightarrow{\omega_a} & S(a, a) \\
 \omega_{a'} \downarrow & \swarrow \omega_{f'} & \downarrow S(a, f') \\
 S(a', a') & \xrightarrow{S(f, a')} & S(a, a') \\
 & & \uparrow \overleftarrow{S(a, \lambda)} \uparrow S(a, f)
 \end{array}$$