

$$\begin{array}{ccc}
 F_1(A) & \xrightarrow{F_1(t)} & F_1(V) \\
 \alpha_A \downarrow & & \downarrow \alpha_V \\
 F_2(A) & \xrightarrow{F_2(t)} & F_2(V)
 \end{array}$$