

$$\begin{array}{ccccccc}
\begin{array}{c} \text{N} \\ \longrightarrow \end{array} & t_a \in T & \longrightarrow & t_o \in T & \xrightarrow{\text{S}} & m \in M & \xrightarrow{\text{R}} t_i \in T \longrightarrow t_r \in T \\
P_a(t_a) & & P_o(t_o \mid t_a) & & \sigma(m \mid t_o) & & \rho(t_i \mid m) & & P_r(t_r \mid t_i)
\end{array}$$