$$N-1 \xrightarrow{E_{t}(N-2)} \begin{cases} \rho(N-1)E_{t}(N-2) \\ (1-\rho(N-1))E_{t}(N-2) \end{cases}$$
 
$$\alpha_{i}(N-1)A_{g}\tau_{i}(N-1)(1-\rho(N-1))E_{t}(N-2)$$
 
$$A_{g}\tau_{i}(N-1)(1-\rho(N-1))E_{t}(N-2)$$
 
$$\gamma_{i}(N-1)(1-\rho(N-1))E_{t}(N-2)$$
 
$$N \xrightarrow{\tau_{i}(N-1)(1-\rho(N-1))E_{t}(N-2)}$$