

$$\begin{array}{c}
\Gamma_{i-1} \quad \Gamma_i \quad \Gamma_{i+1} \\
\begin{array}{c}
\longrightarrow \\
\downarrow \quad \mathcal{F} \quad \downarrow \\
\rho \quad \quad \rho
\end{array}
\end{array}
=
\sum_{\Gamma'_i \in \Gamma_i \otimes \mathcal{F}}
\overline{\left(F_{\Gamma_{i-1}}^{\rho \mathcal{F} \Gamma_i}\right)_{\rho \Gamma'_i} \left(F_{\Gamma_{i+1}}^{\Gamma_i \mathcal{F} \rho^*}\right)_{\rho^* \Gamma'_i}}
\begin{array}{c}
\Gamma_{i-1} \quad \Gamma'_i \quad \Gamma_{i+1} \\
\begin{array}{c}
\longrightarrow \\
\downarrow \quad \quad \downarrow \\
\rho \quad \quad \rho
\end{array}
\end{array}$$