

$$\delta_{q0} G_{\sigma;12}^k G_{\sigma';34}^{k'} - \delta_{\sigma\sigma'} \delta_{kk'} G_{\sigma;14}^k G_{\sigma;32}^{k-q} =$$

$$\delta_{q0} \quad - \quad \delta_{\sigma\sigma'} \delta_{kk'}$$