

$$\begin{array}{c}
 \begin{array}{|c|} \hline k; 1 \\ \hline \end{array} \\
 \begin{array}{|c|} \hline k - q; 2 \\ \hline \end{array}
 \end{array}
 \begin{array}{|c|} \hline \chi_{1234; \sigma \sigma'}^{qkk'} \\ \hline \end{array}
 \begin{array}{|c|} \hline k'; 4 \\ \hline \end{array}
 \begin{array}{|c|} \hline k' - q; 3 \\ \hline \end{array}
 =
 \begin{array}{c}
 \begin{array}{|c|} \hline k; 1 \\ \hline \end{array} \\
 \begin{array}{|c|} \hline k - q; 2 \\ \hline \end{array}
 \end{array}
 \begin{array}{|c|} \hline \chi_{1234; \sigma \sigma'}^{*; qkk'} \\ \hline \end{array}
 \begin{array}{|c|} \hline k'; 4 \\ \hline \end{array}
 \begin{array}{|c|} \hline k' - q; 3 \\ \hline \end{array}
 -
 \begin{array}{c}
 \begin{array}{|c|} \hline k; 1 \\ \hline \end{array} \\
 \begin{array}{|c|} \hline k - q; 2 \\ \hline \end{array}
 \end{array}
 \begin{array}{|c|} \hline \chi_{12ba; \sigma \sigma_1}^{*; qkk'} \\ \hline \end{array}
 \begin{array}{|c|} \hline \mathcal{U}_{\substack{abcd \\ \sigma_1 \sigma_2}}^{qkk'} \\ \hline \end{array}
 \begin{array}{|c|} \hline \chi_{dc34; \sigma_2 \sigma'}^{qkk'} \\ \hline \end{array}
 \begin{array}{|c|} \hline k'; 4 \\ \hline \end{array}
 \begin{array}{|c|} \hline k' - q; 3 \\ \hline \end{array}
 \end{array}$$