$$\frac{df_Q}{dt} = \mathcal{C}^{2\leftrightarrow 2}_{>}[f_Q] + \partial_p \left(A_Q p + \partial_p B_Q\right)_{<} f_Q + \mathcal{C}^{2\to 3}_{>}[f] - R^{1\to 2}(x, k_\perp; \hat{q}_{<}) f_Q$$