$$\Psi[Q_R, Q_L] = 0 \tag{1}$$

$$\partial_t Q + S_1 \, \partial_x Q = \frac{1}{\varepsilon} \begin{pmatrix} 0 \\ F_1(U) - V \end{pmatrix} \tag{2}$$

$$\partial_t Q + S_2 \, \partial_x Q = \frac{1}{\varepsilon} \begin{pmatrix} 0 \\ F_2(U) - V \end{pmatrix} \tag{3}$$