



$$\bar{\psi}(x) = \int f(x, x') \psi(x') dx'$$

$$f^*(x, x') = f(x', x)$$

$$\bar{\psi}^*(x) = \int \psi^*(x') f(x', x) dx'$$

$$\int f(x, x'') Q(x'', x''') f(x''', x''') dx'' dx''' = \bar{Q}(x, x')$$

$$\int \bar{Q}(x, x'') \bar{\psi}(x') dx' = 0.$$

$$\int f(x, x'') Q(x'', x''') f(x''', x''') f(x''', x''') \psi(x') = 0$$