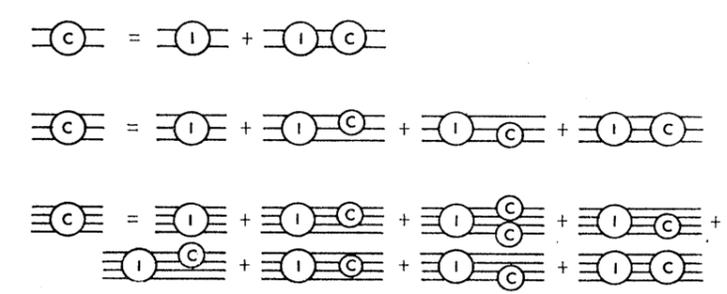
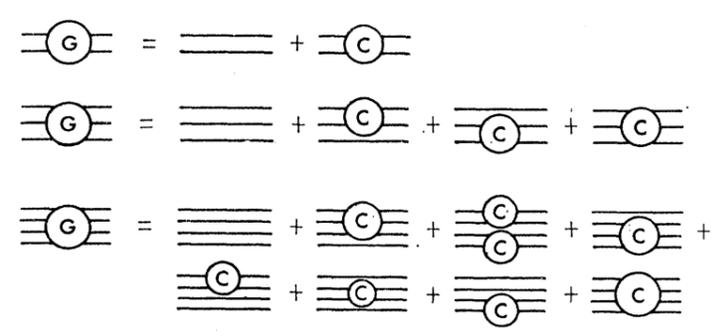
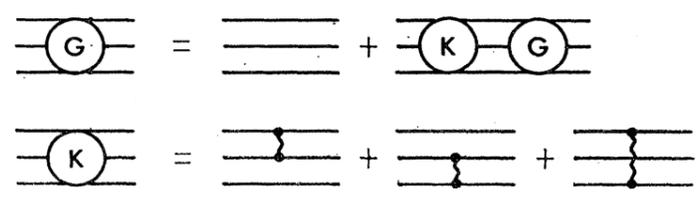


$$G(Z) = C(Z) + \sum_{ij} L_{ij} + G_0(Z)$$

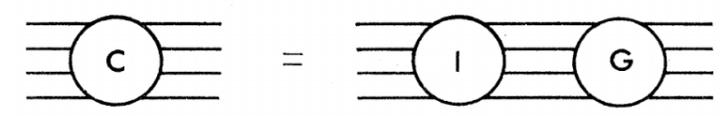
$$L_{ij} = K_{ij}(Z)G_{ij}(Z)$$

$$K_{ij} = G_0(Z)V_{ij}$$

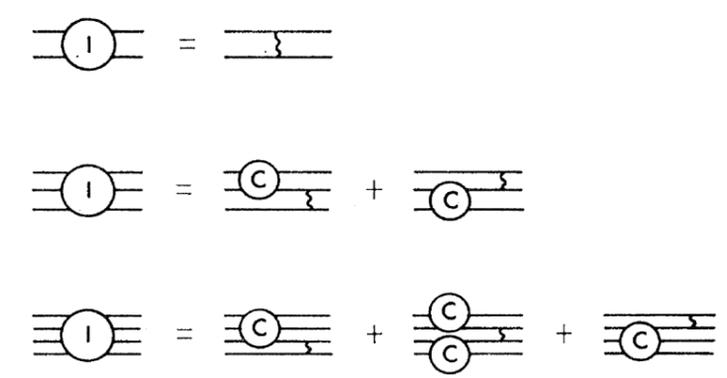
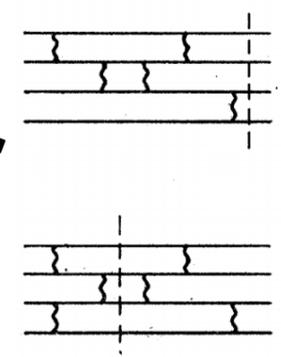


iterative construction of the N-body fully-connected component

the completely connected part factorized into an irreducible part times the full Green's function.

$$I(Z) = L_{12}\{V_{23} + V_{13}\} + L_{23}\{V_{31} + V_{12}\} + L_{31}\{V_{12} + V_{23}\}$$


irreducibility: removal of the rightmost interaction unties the diagram.



iterative construction of the irreducible N-body component from the irreducible (N-1)-body component.

