$$H = H_{c} + H_{e} + H_{se}$$

$$H = \sum_{i=1}^{N} h_{2} \delta_{i}^{2} + h_{x} \delta_{i}^{x} + \sum_{i=1}^{N} \int_{0}^{2} \delta_{i}^{2} \delta_{i+1}^{2}$$

$$H_{s} = h_{2} \delta_{i}^{2} + h_{x} \delta_{i}^{x} + \sum_{i=2}^{N} \int_{0}^{2} \delta_{i}^{2} \delta_{i+1}^{x}$$

HE = J67 62