

$$\hat{H}_{HF} =$$

$$\left(\begin{array}{c} \gamma \\ \delta \end{array} \right) - - - - \overset{\gamma}{h_0} X + \sum_{i,j} \left(\begin{array}{c} \gamma \\ \delta \end{array} \right) - - - - \overset{i,j}{h} X - \left(\begin{array}{c} \gamma \\ \delta \end{array} \right) - - - - \overset{i,j}{K} X \right)$$