$$H = Ho + H_{\frac{1}{2}}$$

$$Ho = \sum_{n=1}^{\infty} \langle i|ho|i \rangle q_{n}^{\dagger} q_{n}^{\dagger} - q \sum_{n=1}^{\infty} \langle i|ho|i \rangle q_{n}^{\dagger} q_{n}^{\dagger$$

$$H \in \mathbb{C}^{70\times70}$$

$$H_{i,j} = \langle \underline{\Phi}_{i} | H / \underline{\Phi}_{j} \rangle$$

$$|P=2|$$

$$|C|=$$

$$|P=1|$$

$$|P=0|$$

$$\frac{1}{m=4} = 7 \left(\frac{9}{2}\right) = 6$$

 $\frac{3\alpha}{2d} = \frac{3\alpha}{2d} + \frac{56}{60} = \frac{4\alpha}{1250}$   $\frac{40}{50} = \frac{4\alpha}{1250} = \frac{4\alpha}{12$