$$\langle \Phi_{i}^{a} | \hat{H}_{I} | \Phi_{i}^{a} \rangle$$
:

 $\langle a_{j} | \hat{v}_{1} | \hat{v}_{AS} \rangle$
 $\langle a_{j} | \hat{v}_$

(k/lî/k/)As: 0----- + (----