2017 (2 (23 (목)

전요 및지안 expectation value 지글은

$$= H_{11} \left(\left(\psi_{1}^{Re} \right)^{2} + \left(\psi_{1}^{Im} \right)^{2} \right) + H_{22} \left(\left(\psi_{2}^{Re} \right)^{2} + \left(\psi_{2}^{Im} \right)^{2} \right)$$

$$+ H_{33} \left(\left(\psi_{3}^{Re} \right)^{2} + \left(\psi_{3}^{Im} \right)^{2} \right)$$

$$+ 2 H_{21}^{Re} \left(\psi_{2}^{Re} + \psi_{1}^{Re} + \psi_{2}^{Im} \psi_{1}^{Im} \right) + 2 H_{21}^{Im} \left(\psi_{2}^{Im} \psi_{1}^{Re} - \psi_{3}^{Re} \psi_{1}^{Im} \right)$$

$$+ 2 H_{31}^{Re} \left(\psi_{3}^{Re} + \psi_{1}^{Re} + \psi_{3}^{Im} \psi_{1}^{Im} \right) + 2 H_{31}^{Im} \left(\psi_{3}^{Im} \psi_{1}^{Re} - \psi_{3}^{Re} \psi_{1}^{Im} \right)$$

$$+ 2 H_{32}^{Re} \left(\psi_{3}^{Re} + \psi_{2}^{Re} + \psi_{3}^{Im} \psi_{1}^{Im} \right) + 2 H_{32}^{Im} \left(\psi_{3}^{Im} \psi_{1}^{Re} - \psi_{3}^{Re} \psi_{1}^{Im} \right)$$

$$+ 2 H_{32}^{Re} \left(\psi_{3}^{Re} + \psi_{2}^{Re} + \psi_{3}^{Im} \psi_{1}^{Im} \right) + 2 H_{32}^{Im} \left(\psi_{3}^{Im} \psi_{1}^{Re} - \psi_{3}^{Re} \psi_{1}^{Im} \right)$$