5)
$$\Psi^{(0)} = \Psi(0) = \overline{\Psi}$$
 : $\overline{\Psi}_{15}$ THE EIGENTONCTION OF ZEROTH-ORDER H. $\overline{\Psi}_{15}$ THE LEIGENTONCTION OF ZEROTH-ORDER H. $\overline{\Psi}_{15}$

$$\Psi^{(1)} = \frac{1}{1!} \frac{\partial \Psi(\lambda)}{\partial \lambda} \Big|_{\lambda=0} = \frac{1}{1!} \frac{\partial}{\partial \lambda} \left(\frac{1}{2} + R_0 \left(\frac{\lambda}{\lambda} V_c - E(\lambda) \right) \Psi(\lambda) \right) \Big|_{\lambda=0}$$

$$= \frac{\partial}{\partial \lambda} \left(R_0 \frac{\lambda}{\lambda} V_c \Psi(\lambda) - E(\lambda) R_0 \Psi(\lambda) \right) \Big|_{\lambda=0}$$

$$= \left[R_0 V_c \Psi(\lambda) + R_0 \frac{\partial}{\partial \lambda} V_c \frac{\partial}{\partial \lambda} \right) \Big|_{\lambda=0}$$

$$= \left[R_0 V_c \Psi(\lambda) + E(\lambda) R_0 \frac{\partial}{\partial \lambda} \Psi(\lambda) \right] \Big|_{\lambda=0}$$

$$= R_0 V_c \Psi(\lambda) + O - E(\lambda) R_0 \Psi(\lambda) - E(\lambda) R_0 \Psi(\lambda)$$

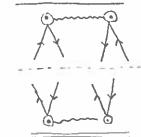
$$= R_0 V_c \Psi(\lambda) + O - O - O$$

$$= R_0 V_c \Psi(\lambda) + O - O - O$$

$$\frac{1}{2} = \frac{1}{2} \sum_{abij} \frac{3ab}{8abij} \frac{a^{abij}}{8abij} = \frac{1}{2} \sum_{abij} \frac{3ab}{8abij} \frac{a^{abij}}{14abij}$$

$$\frac{1}{2} \frac{1}{2} \frac$$

$$E_{(9)}^{c} = \frac{3}{1} \frac{3}{3_{9}} \frac{3y_{3}}{2(y)} \Big|_{y=0}$$



$$\psi^{(a)} = \frac{1}{\partial !} \frac{\partial^{a}}{\partial \lambda^{a}} \psi(\lambda) = \frac{1}{\partial !} \frac{\partial^{a}}{\partial \lambda^{a}} \left(\frac{1}{\partial !} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} \left(\frac{1}{\partial !} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} \left(\frac{1}{\partial !} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \Big|_{\lambda=0}$$

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$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \Big|_{\lambda=0}$$

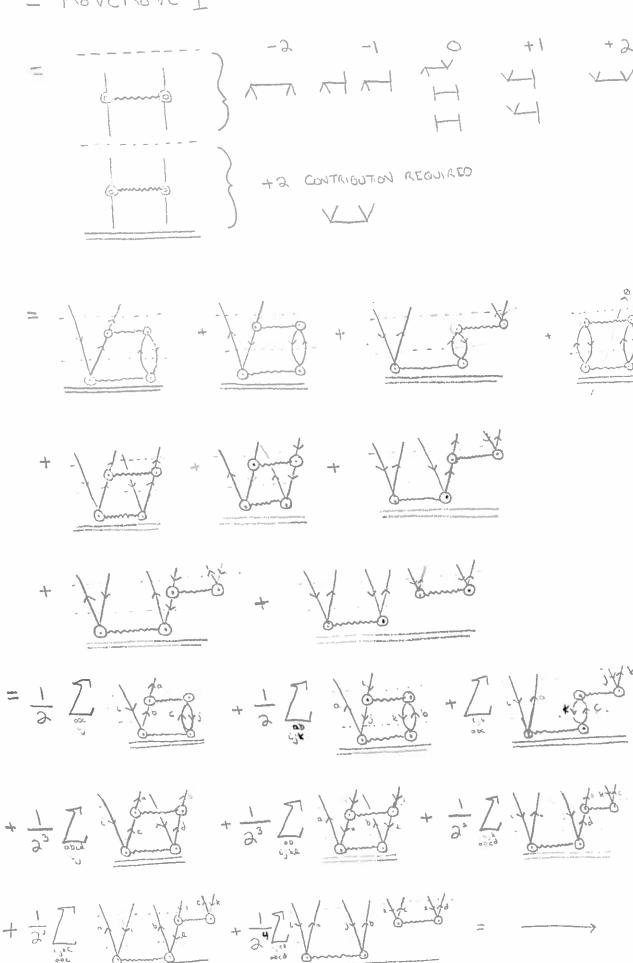
$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda V_{c} - E(\lambda)) \psi(\lambda) \right) \Big|_{\lambda=0}$$

$$= \frac{1}{\partial !} \left(\frac{\partial}{\partial \lambda} \left(\frac{\partial}{\partial \lambda} + R_{o}(\lambda$$

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$$= \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i940}{EikEi2} - \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{1}{2} \sum_{\substack{0 \text{ odd} \\ 0 \text{ odd}}} \frac{9ik99i840}{EikEi3} + \frac{$$

E(m+1) DEPENDS ONLY ON DOUBLES CONTRIBUTIONS TO 4(m)

$$=\frac{1}{2}\sum_{i=1}^{n}\sum_{j=1}^{n}\sum_{j=1}^{n}\sum_{i=1}^{n}\sum_{j=1}^{n}\sum_{j=1}^{n}\sum_{i=1}^{n}\sum_{j=1}^{n}\sum$$

$$=\frac{1}{2}\sum_{n=1}^{\infty}\int_{-\infty$$