FY5 4480, NOV 4, 7022

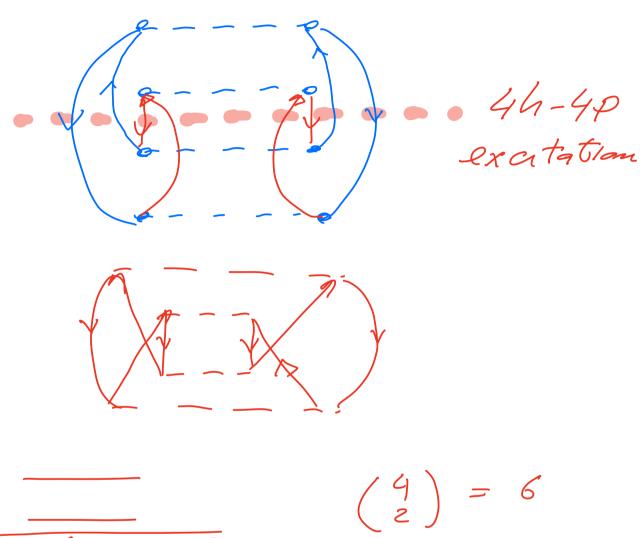
5 62 3nd-onder Examples ciklalac/clack)

zpeh

1pih × (akluliji) apzh 2pzh x (Ei+G-Eq-Ex)(Ei+Ek-Eq-E) 11-34 mn = 3 Me = 3 5 (H, 10m) (5m) H, 10m) (5m H) 50 (Wo-Wm) (Wo-Wm) 2029/

a win job a me = 3
$$\left(\frac{1}{2}\right) = 1$$
 $Mep = 3$ $\left(\frac{1}{2}\right) = 1$
 $Mep = 2$
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 $Mep = 4$

4th-onder



Model for exercise week 45 simple two level-model $\varepsilon_2 - 1\overline{\phi}_2 > \varepsilon_1 < \varepsilon_2$ $\mathcal{E}, - \mathcal{E}, - \mathcal{E}, > = a_i^{\dagger}(0)$ 1¢27 = 92 10> = (9291)1517 = /4,2> 7 - Hot HI Ho/\$\dag{\P_1'} > = \E_1' /\P_1' > $H_0 = \sum_{p=1}^{2} \epsilon_p q_p^{\dagger} q_p < p/40/97 = \delta_{pq} \epsilon_p$ $H_1 = g \sum_{pq} q_p^{\dagger} q_q$ < 4, 1 Holding = E1 (c) α, 9 Σ 9 p 9 q 9, 10) = 9 a, 9, 9, 9, 52,

$$\langle \vec{J}_{1} | H | \vec{J}_{2} \rangle =$$

$$\langle \vec{J}_{1} | g \sum_{Pq} a_{p}^{\dagger} q_{q} | G_{2}^{\dagger} q_{1} | \vec{J}_{1} \rangle$$

$$\langle c | a_{1} g \sum_{Pq} a_{p}^{\dagger} q_{q} | G_{2}^{\dagger} q_{1} \rangle = g$$

$$\langle \vec{J}_{2} | H | \vec{J}_{2} \rangle = \mathcal{E}_{2} + g$$

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$$\langle \vec{J}_{1} | H | \vec{J}_{2} \rangle = \mathcal{E$$

$$SE^{MBPT} = E - W_0 - \langle \mathbf{J}, |H|\Phi_1 \rangle$$

$$= E - W_0 - SE^{G}$$

$$= SE^{G}$$

$$= \sum_{m} \frac{\langle \mathbf{J}, |H| |\mathbf{J}_{m}\rangle^{2}}{w_0 - w_{m}}$$

$$W_0 = E_1 \qquad m = 2$$

$$SE^{G} = |\langle \mathbf{J}, |H| |\mathbf{J}_{2}\rangle|^{2}$$

$$= \frac{9}{E_1 - E_2}$$

$$H_1 = S \sum_{pq} q^{\dagger} q_{q}$$

$$= q^{\dagger} q_{q}$$

$$=$$