

$$(i) \left[ \text{diagram} - \text{diagram} \right] + \text{diagram} - \left[ \text{diagram} - \text{diagram} \right] - \text{diagram}$$

$\hat{A}_q^{qg}$ 
 $\hat{A}_g^{q\bar{q}}$ 
 $\hat{B}_{qg}^{q\chi}$ 
 $\hat{B}_{q\bar{q}}^{\chi\chi}$

$$(ii) \left[ \text{diagram} - \text{diagram} \right] - \text{diagram} + \left[ \text{diagram} + \text{diagram} \right]$$

$\hat{A}_g^{gg}$ 
 $\hat{A}_q^{q\bar{q}}$ 
 $\hat{A}_q^{g\bar{q}}$ 
 $\hat{B}_{gg}^{\chi\chi}$ 
 $\hat{B}_{gq}^{\chi q}$

$$(iii) \text{diagram} + \left[ \text{diagram} + \text{diagram} \right] + \text{diagram}$$

$\hat{C}_{gg}^{\chi\chi}$ 
 $\hat{C}_{gq}^{\chi q}$ 
 $\hat{C}_{q\bar{q}}^{\chi\chi}$

$$- \text{diagram} - \left[ \text{diagram} + \text{diagram} \right]$$

$\hat{D}_\chi^U$ 
 $\hat{E}_\chi^h$

$$(iv) \text{diagram} - \left[ \text{diagram} + \text{diagram} \right]$$

$\hat{D}_\chi^U$ 
 $\hat{E}_U^h$