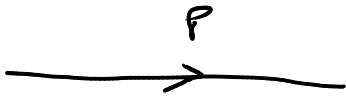
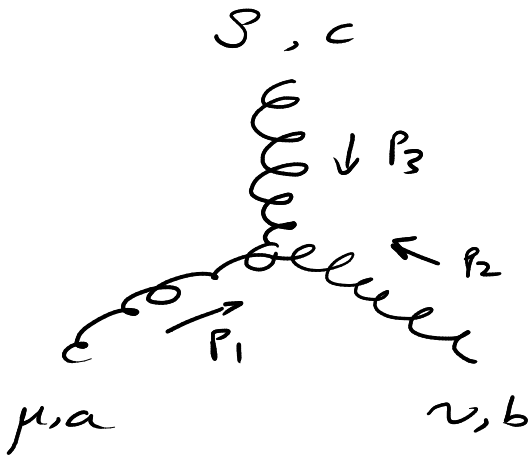


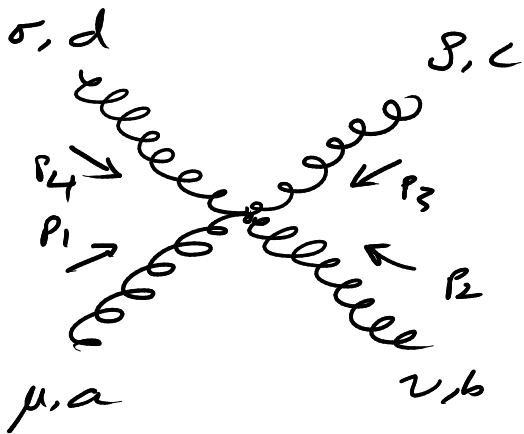
$$\bar{\mu}, a \quad \overset{g}{\text{wavy line}} \quad \nu, b = -i\delta_{ab} \left[\frac{g_{\mu\nu}}{k^2 + i\epsilon} - (1 - \xi) \frac{k_\mu k_\nu}{(k^2)^2} \right]$$



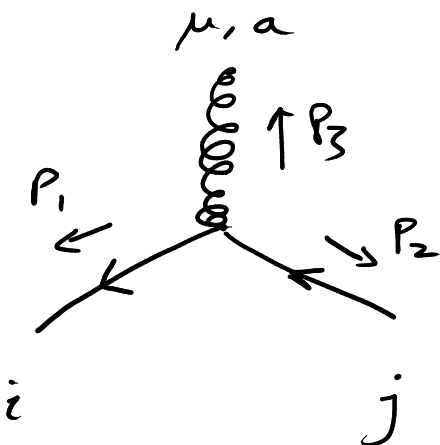
$$= \frac{i(\not{P} + m_f)}{P^2 - m_f^2 + i\epsilon}$$



$$= -g_s f^{abc} \left[g^{\mu\nu} (P_1 - P_2)^\rho + g^{\nu\rho} (P_2 - P_3)^\mu + g^{\rho\mu} (P_3 - P_1)^\nu \right]$$



$$= -ig_s^2 \left[f^{ac} f^{bd} (g_{\mu\rho} g_{\nu\sigma} - g_{\mu\sigma} g_{\nu\rho}) + f^{ac} f^{db} (g_{\mu\rho} g_{\nu\sigma} - g_{\mu\sigma} g_{\nu\rho}) + f^{ad} f^{bc} (g_{\mu\rho} g_{\nu\sigma} - g_{\mu\sigma} g_{\nu\rho}) \right]$$



$$= -ig_s \gamma^\mu T_{ij}^a$$