$$= (4!)^2 \times \left(-\frac{i\lambda}{4!}\right)^2 (2\pi)^{2d} \int \frac{d^d p}{(2\pi)^d} \frac{i}{-p^2 - m^2 + i\epsilon} \delta^{(d)}(k_1 + k_2 + k_3 + p)\delta^{(d)}(k_4 + k_5 + k_6 - p)$$

$$= (-i\lambda)^2 (2\pi)^d \delta^{(d)}(k_1 + k_2 + k_3 + k_4 + k_5 + k_6)\frac{i}{-(k_1 + k_2 + k_3)^2 - m^2 + i\epsilon}$$