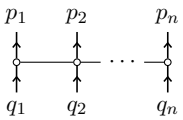
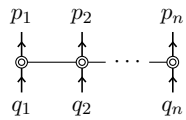
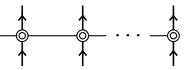
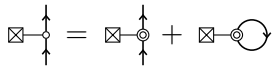
goldstone

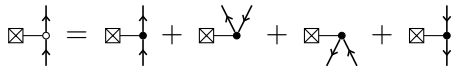
$a_p \equiv$ $a_p^\dagger \equiv$ $b_a \equiv$ $b_i \equiv$ $b_a^\dagger \equiv$ $b_i^\dagger \equiv$ (1)

$a^{p_1p_2\cdots p_n}_{q_1q_2\cdots q_n} \equiv$  $\tilde{a}^{p_1p_2\cdots p_n}_{q_1q_2\cdots q_n} \equiv$  (2)

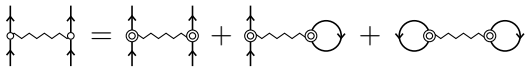
$(\frac{1}{n!})^2 v^{q_1q_2\cdots q_n}_{p_1p_2\cdots p_n} \tilde{a}^{p_1p_2\cdots p_n}_{q_1q_2\cdots q_n} \equiv$  (3)

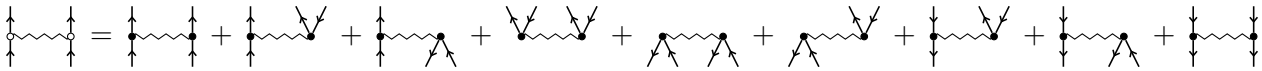
$h^q_p a^p_q \equiv$ (4)

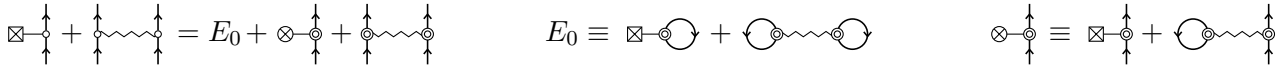
 (5)

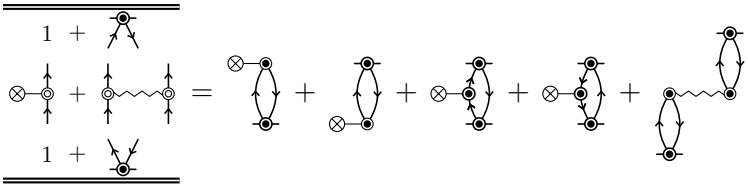
 (6)

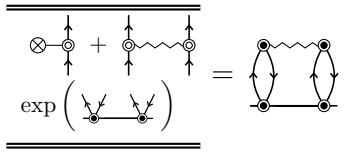
$\frac{1}{4}\overline{g}^{rs}_{pq} a^{pq}_{rs} =$ (7)

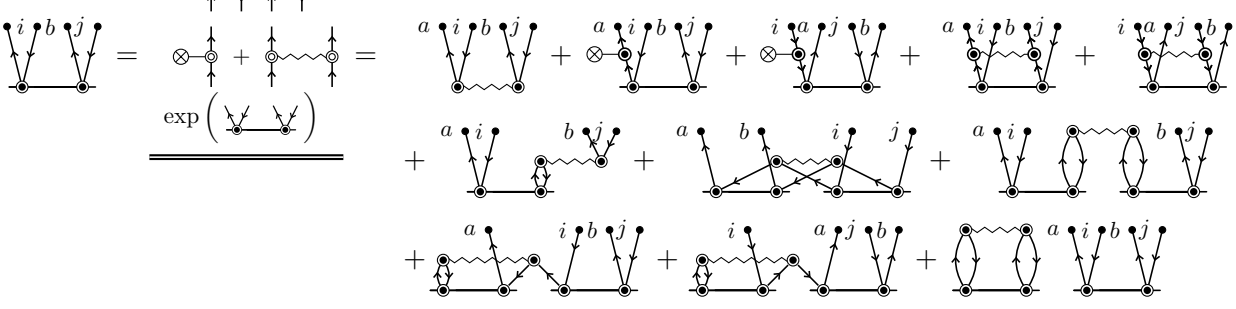
 (8)

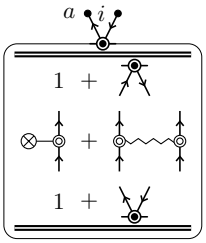
 (9)

 (10)

 (11)

$E_c =$  (12)

E_c  (13)



(14)