

embedding 1 [1, -2, -1, -2]

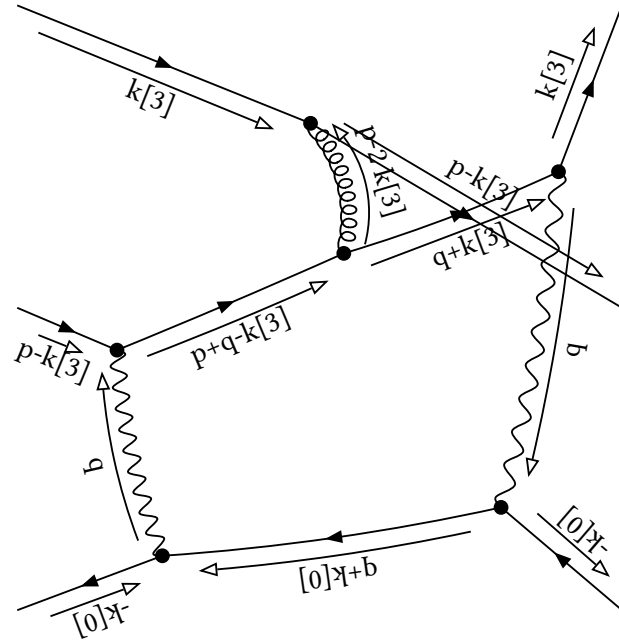
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-2 k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & -(2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & - (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & - (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-2 k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & - (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-2 k[3]]^{-1} \text{prop}[0, p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$



$$-3+11+13$$

final

Denominator:

0

embedding 2 [1, -1, -2, -1]

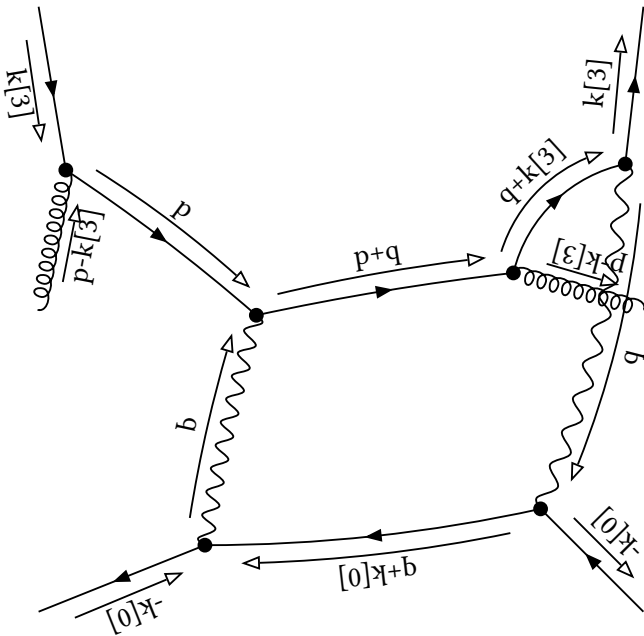
initial

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

0

embedding 3 [1, -1, -1, -2]

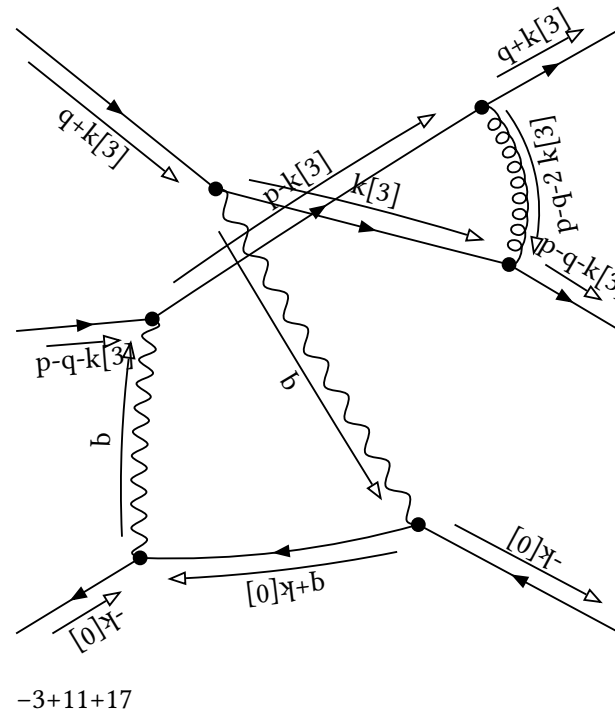
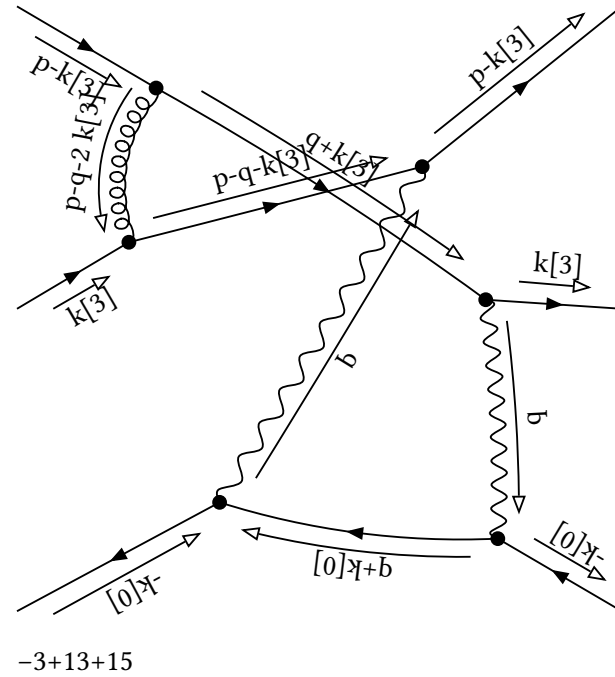
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-q-2 k[3]]^{-1}$$

Partial Fractioned Denominator:

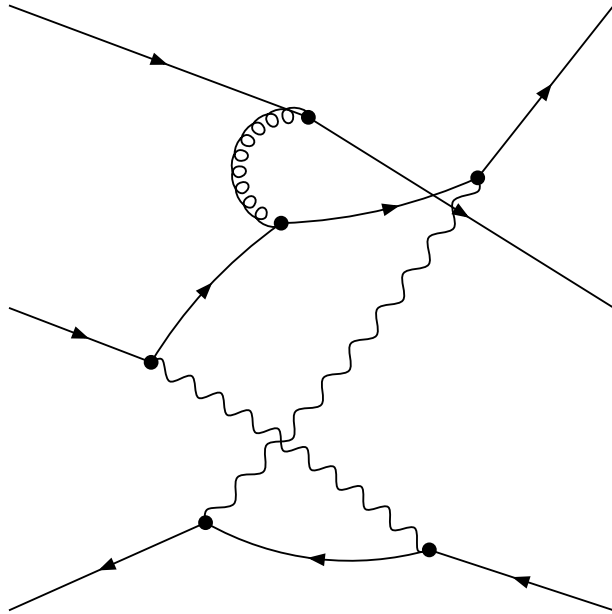
$$\begin{aligned} & -1/2 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-2 k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-2 k[3]]^{-1} \\ & -1/2 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-q-2 k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-q-2 k[3]]^{-1} \\ & +1/4 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & -1/4 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & -1/4 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & +1/4 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \end{aligned}$$



final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1} \text{prop}[0,p-2 \ k[3]]^{-1} \text{prop}[0,p+q-k[3]]^{-1}$



-1+11+13

embedding 4 [1, -1, -1, -1]

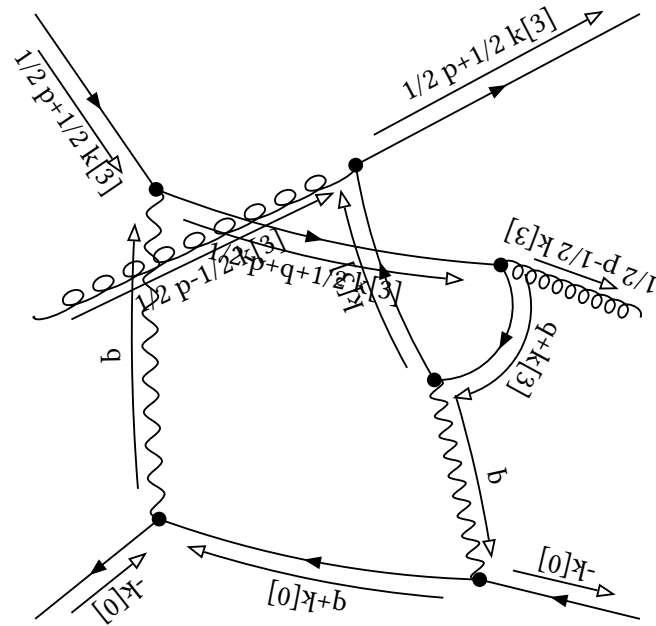
initial

Denominator:

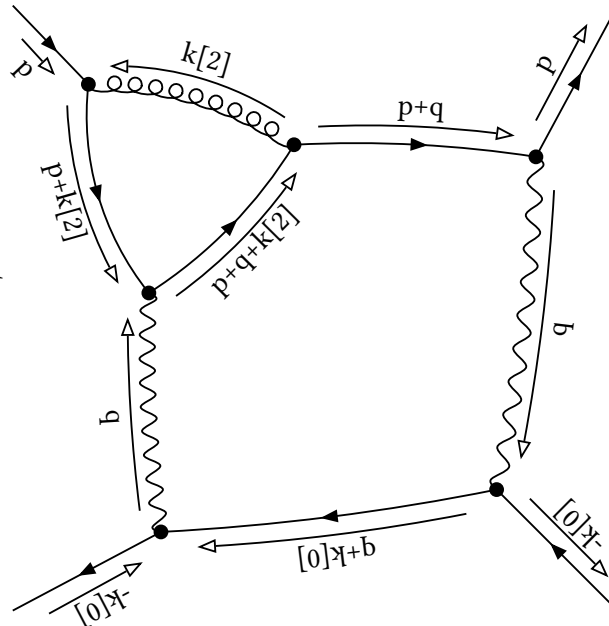
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p-1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & -4 (-2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +4 (-2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -2 (-2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -4 (-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p-1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -4 (-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, 1/2 p-1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p-1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -(-\text{dot}[p, p] - 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, 1/2 p+1/2 k[3]]^{-1} \text{prop}[0, 1/2 p-1/2 k[3]]^{-1} \text{prop}[0, 1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$



-3+9+11



-3+13

final

Denominator:

0

embedding 5 [1, -1, -1, 0]

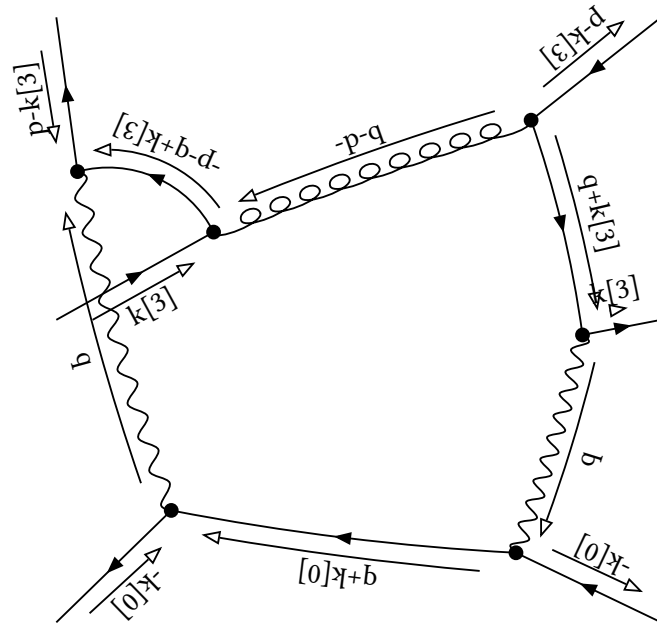
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p-q]^{-1} \text{prop}[0, -p-q+k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \\ & - (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q+k[3]]^{-1} \\ & + (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p-q+k[3]]^{-1} \\ & - (2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p-q+k[3]]^{-1} \end{aligned}$$



final

Denominator:

0

embedding 6 [1, -1, 0, -1]

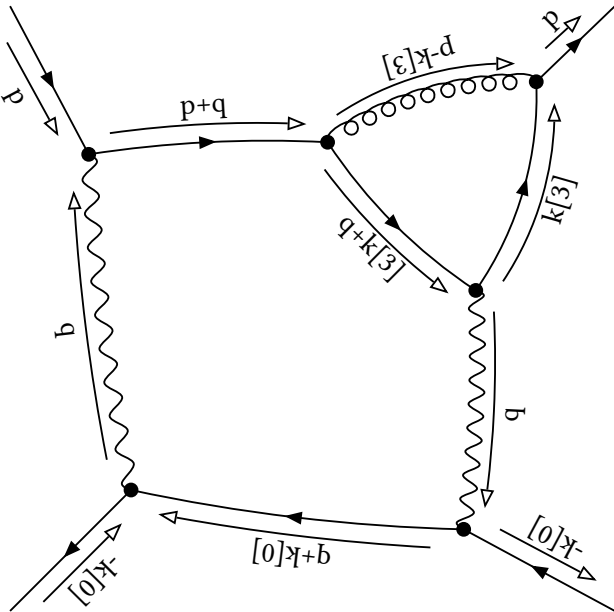
initial

Denominator:

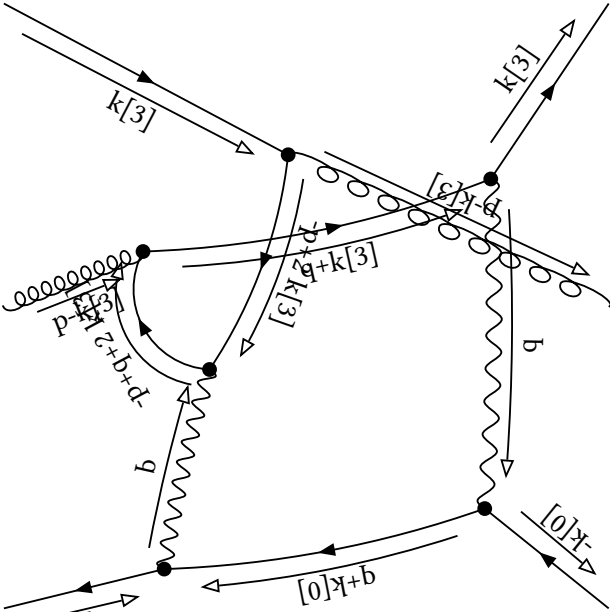
$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1} \text{dot}[p,p]^{-1}$



-3+11



-3-9+13

final

Denominator:

0

embedding 7 [1, -1, 1, -1]

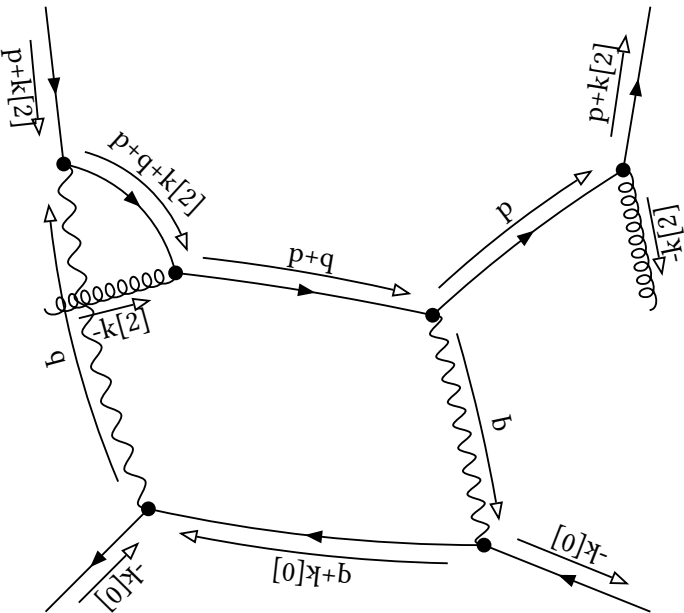
initial

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p+q+k[2]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p+q+k[2]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

0

embedding 8 [1, -1, 1, 0]

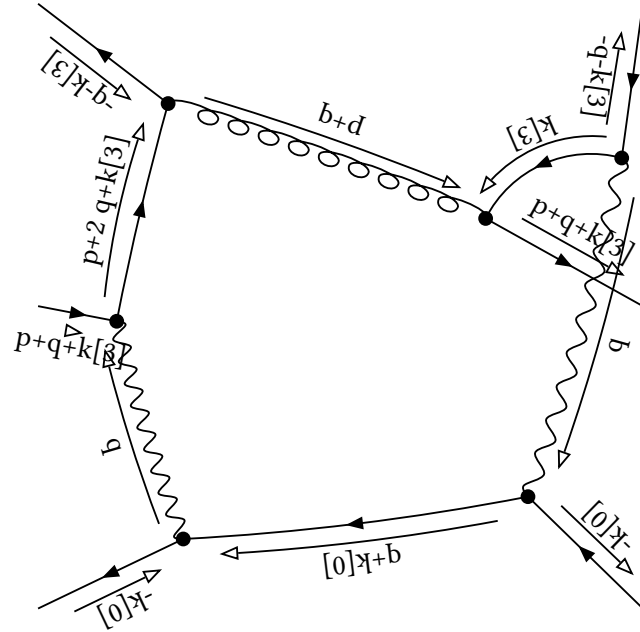
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, p+q]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+q+k[3]]^{-1} \text{prop}[0, p+2 \ q+k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & -(-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+q+k[3]]^{-1} \\ & + (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+2 \ q+k[3]]^{-1} \\ & + (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p+q+k[3]]^{-1} \text{prop}[0, p+2 \ q+k[3]]^{-1} \\ & - (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] + 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p+q+k[3]]^{-1} \text{prop}[0, p+2 \ q+k[3]]^{-1} \end{aligned}$$



final

Denominator:

0

embedding 9 [1, 0, -2, -1]

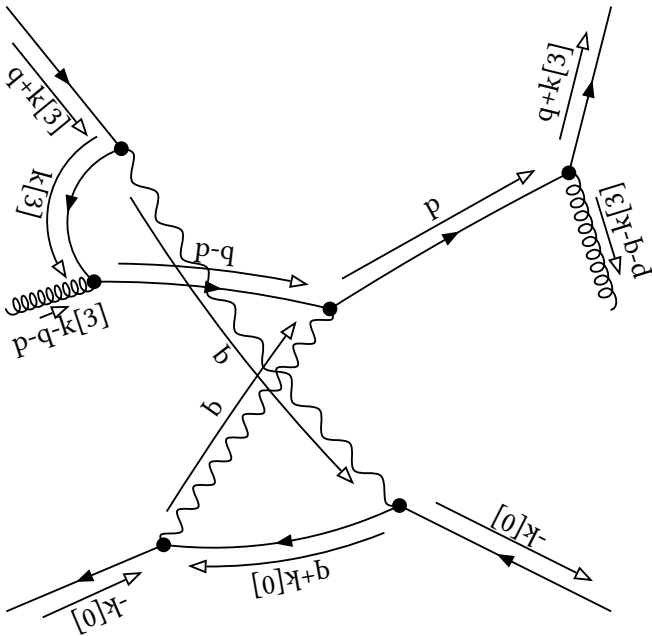
initial

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q-k[3]]^{-1}$

Partial Fractioned Denominator:

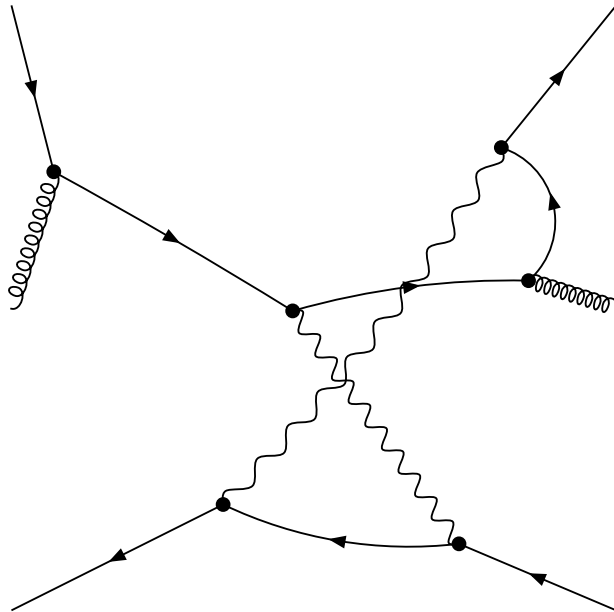
$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q-k[3]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1}$



$-1+9+13$

embedding 10 [1, 0, -1, -2]

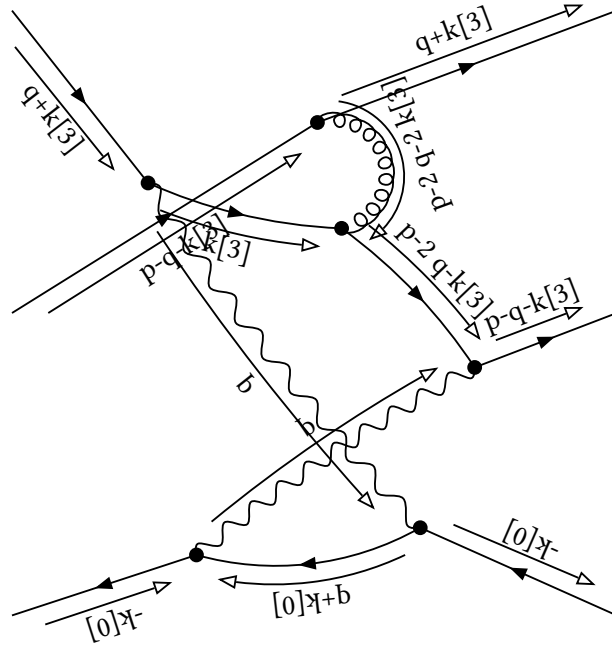
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \text{prop}[0, p-2 \ q-2 \ k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & 1/2 (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \\ & - 1/2 (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \\ & - 1/2 (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \\ & + 1/2 (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \\ & - (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-2 \ q-2 \ k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-2 \ k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & - (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \text{prop}[0, p-2 \ q-2 \ k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, p-q-k[3]]^{-1} \text{prop}[0, p-2 \ q-k[3]]^{-1} \text{prop}[0, p-2 \ q-2 \ k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$

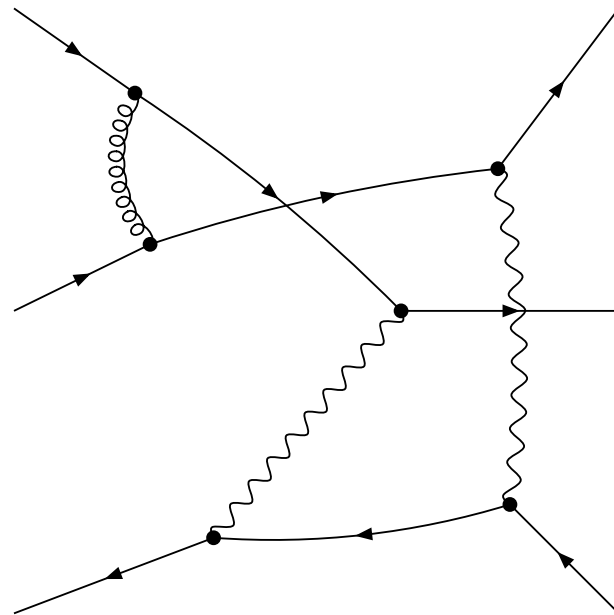


$$-3+15+17$$

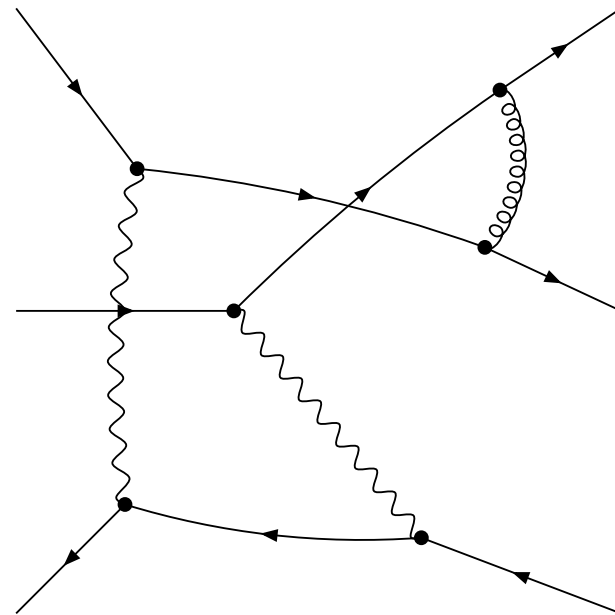
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1} \text{prop}[0,p-q-k[3]]^{-1} \text{prop}[0,p-q-2 k[3]]^{-1}$



$-1+13+15$



$-1+11+17$

embedding 11 [1, 0, -1, -1]

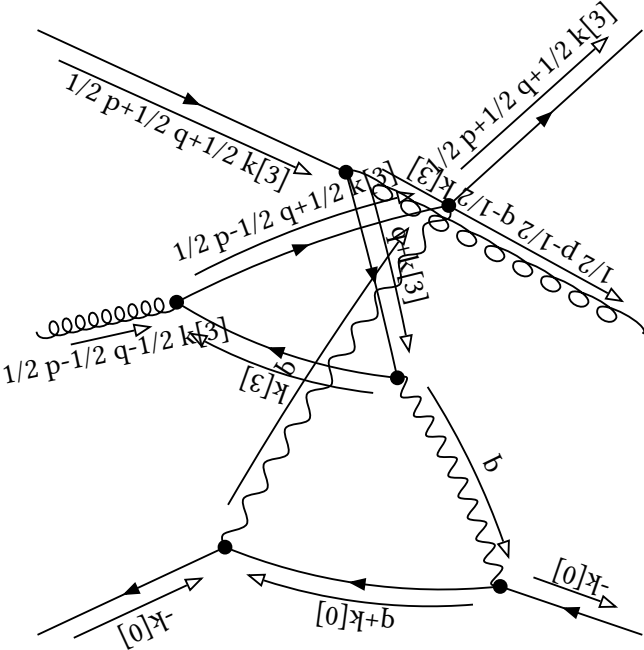
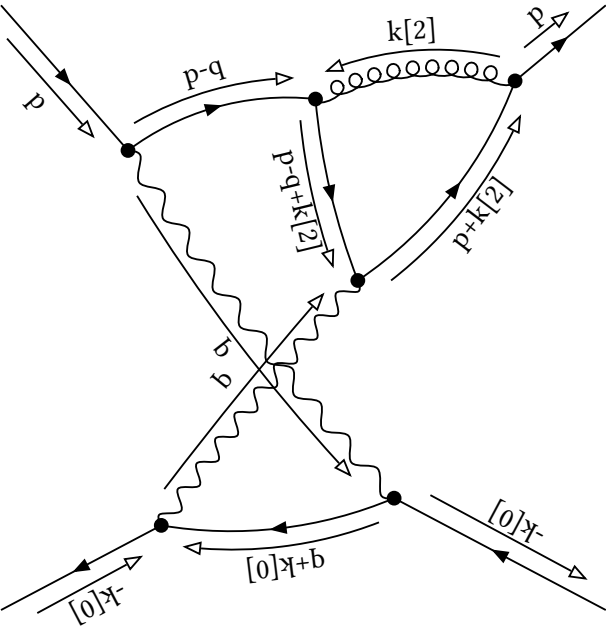
initial

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q+k[2]]^{-1}$

Partial Fractioned Denominator:

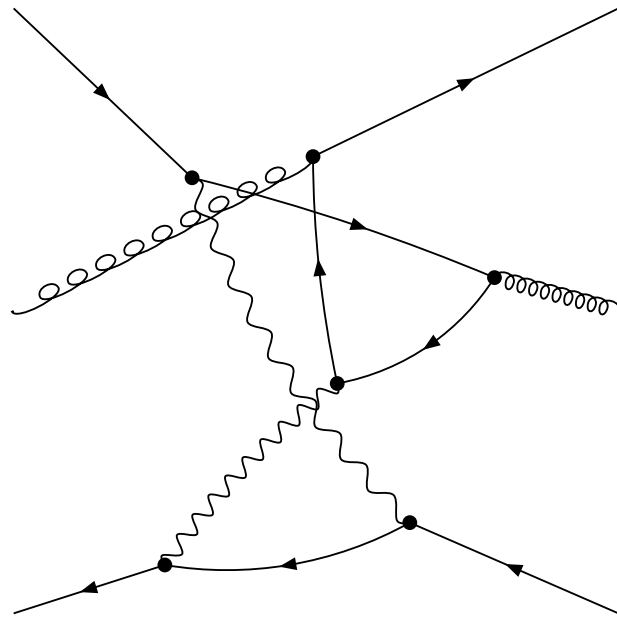
$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p-q+k[2]]^{-1} \text{dot}[p,p]^{-1}$



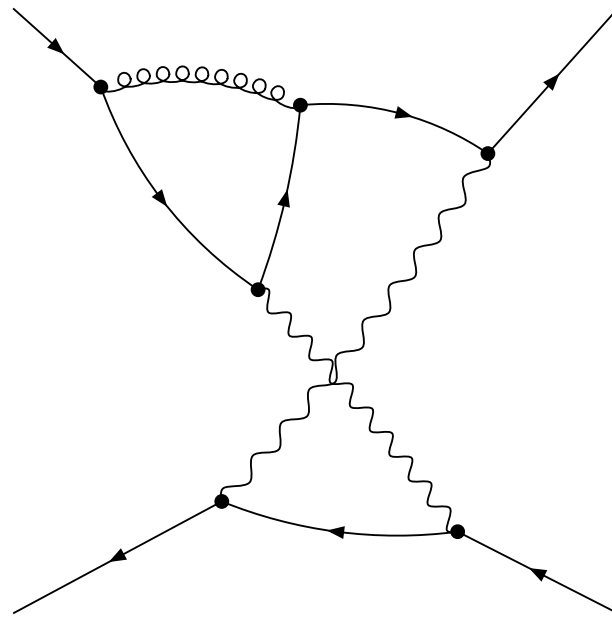
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,1/2 \ p+1/2 \ k[3]]^{-1} \text{prop}[0,1/2 \ p-1/2 \ k[3]]^{-1} \text{prop}[0,1/2 \ p+q+1/2 \ k[3]]^{-1}$



-1+9+11



-1+13

embedding 12 [1, 0, -1, 0]

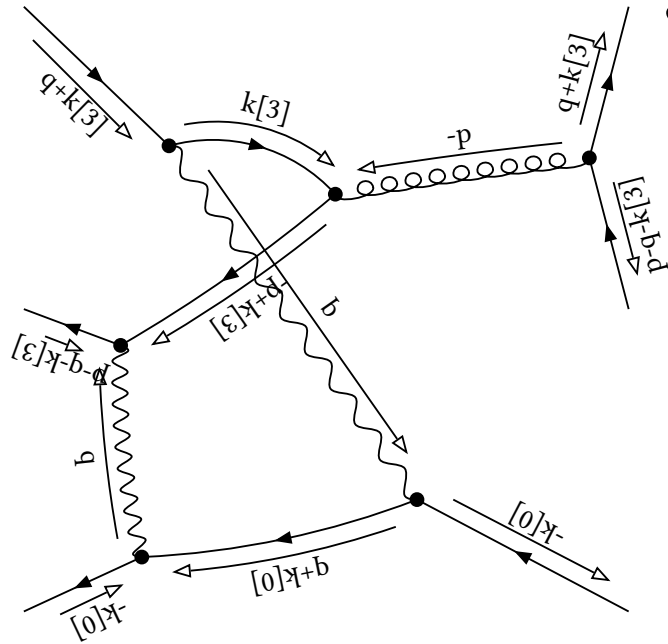
initial

Denominator:

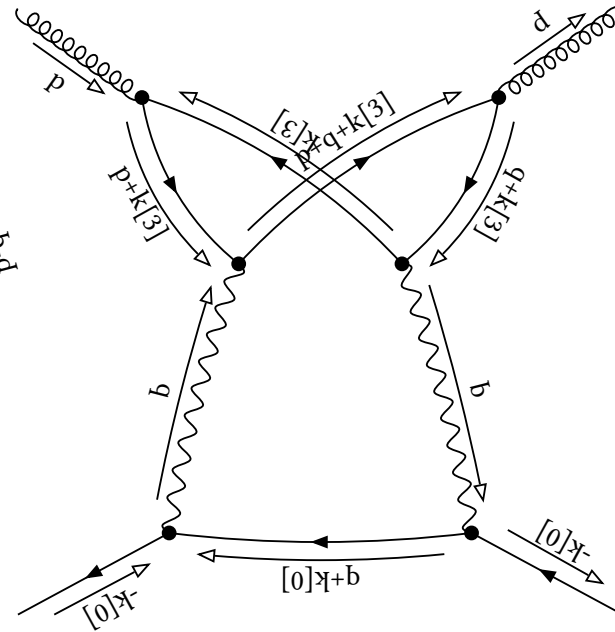
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, -p]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1}$$

Partial Fractioned Denominator:

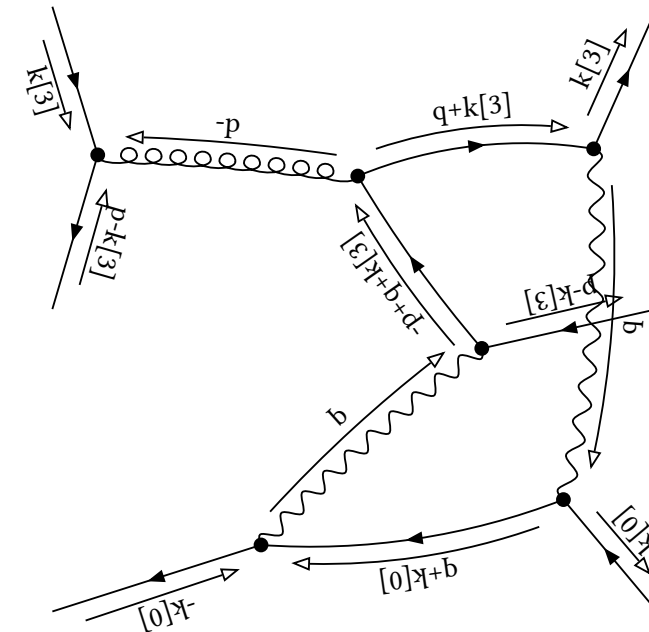
$$\begin{aligned} & -1/2 \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{dot}[p, p]^{-1} \text{dot}[p, q]^{-1} \\ & +1/2 \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{dot}[p, p]^{-1} \text{dot}[p, q]^{-1} \\ & +1/2 \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{dot}[p, p]^{-1} \text{dot}[p, q]^{-1} \\ & -1/2 \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{dot}[p, p]^{-1} \text{dot}[p, q]^{-1} \end{aligned}$$



-3-15+17



-3+9

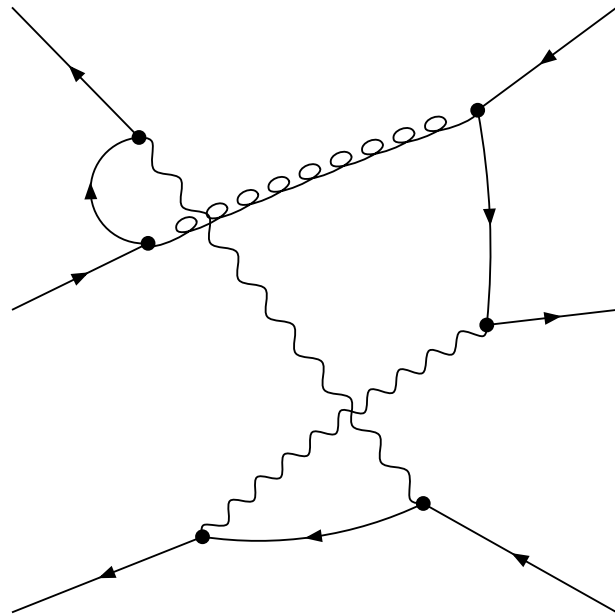


-3-11+13

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+k[3]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q+k[3]]^{-1}$



-1+13-15

embedding 13 $[1, 0, -1, 1]$

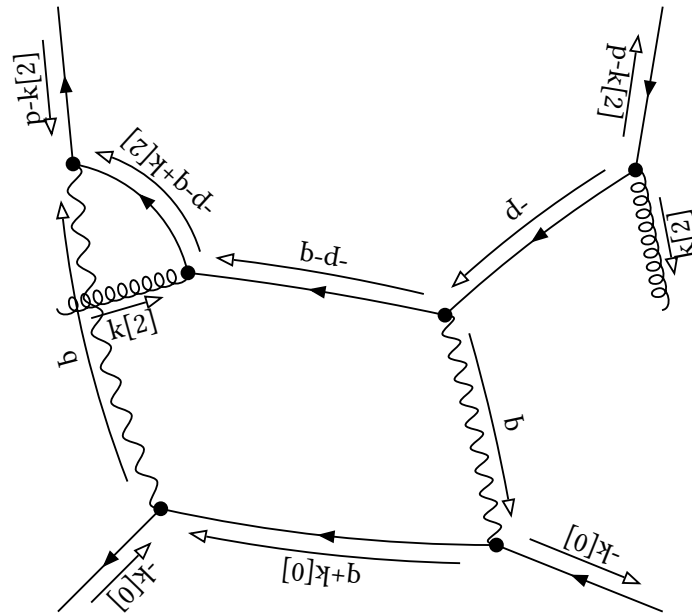
initial

Denominator:

$$\text{prop}[0, k[2]]^{-1} \text{prop}[0, -p]^{-1} \text{prop}[0, -p+k[2]]^{-1} \text{prop}[0, -p-q]^{-1} \text{prop}[0, -p-q+k[2]]^{-1}$$

Partial Fractioned Denominator:

$$(\text{dot}[p,p]+2 \text{ dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p-q+k[2]]^{-1} \text{dot}[p,p]^{-1}$$



final

Denominator:

0

embedding 14 [1, 0, 0, -1]

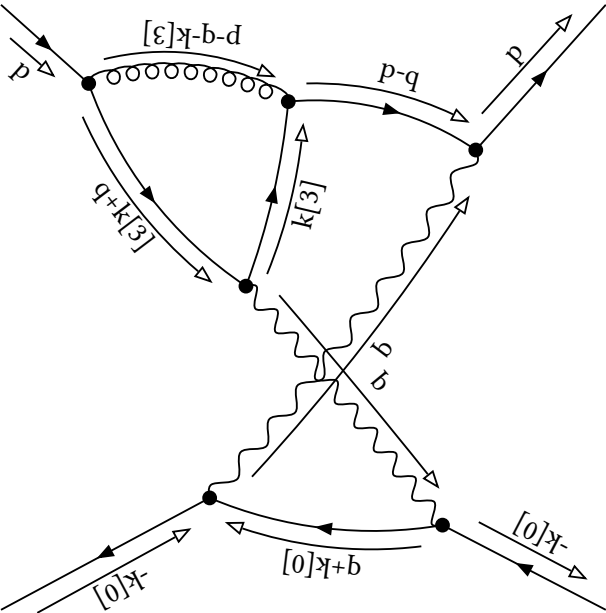
initial

Denominator:

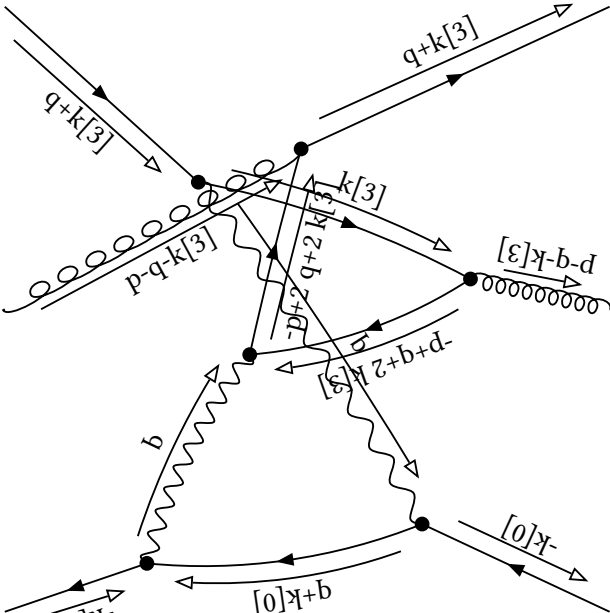
$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q-k[3]]^{-1} \text{dot}[p,p]^{-1}$



-3+15

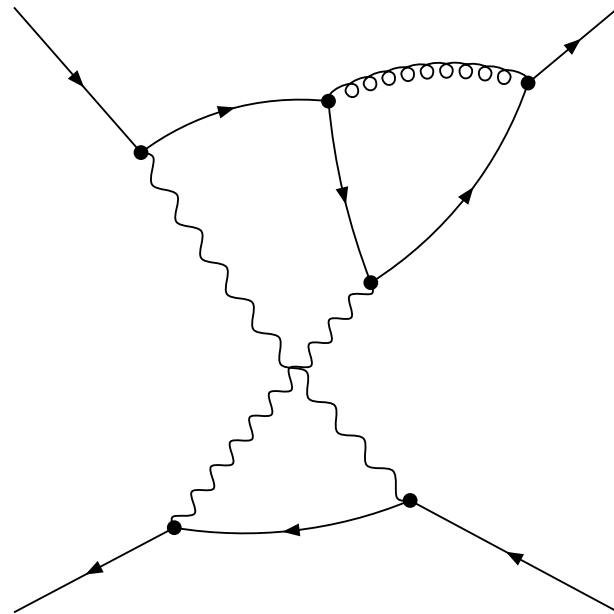


-3-9+17

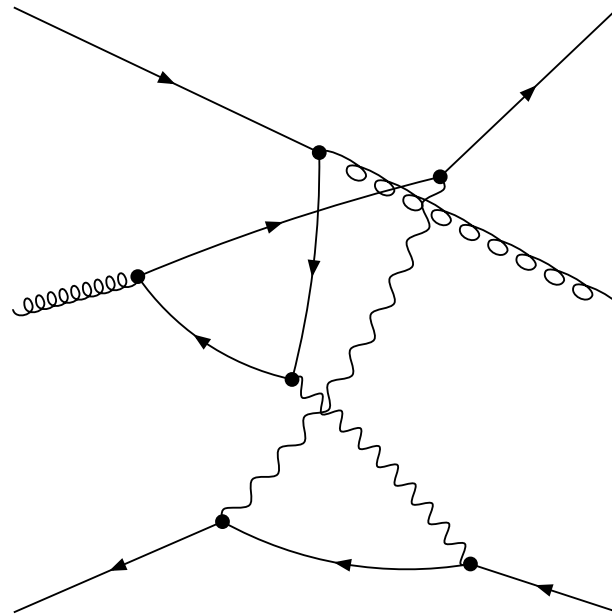
final

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-k[3]]^{-1}$



-1+11



-1-9+13

embedding 15 [1, 0, 0, 0]

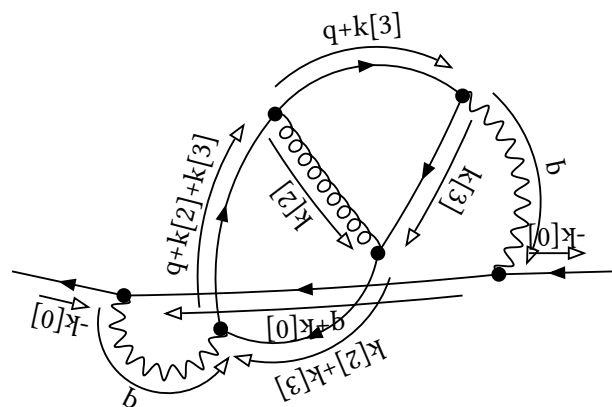
initial

Denominator:

$$\text{prop}[0, k[2]]^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, k[2]+k[3]]^{-1} \text{prop}[0, q+k[2]+k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\text{prop}[0, k[2]]^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, k[2]+k[3]]^{-1} \text{prop}[0, q+k[2]+k[3]]^{-1}$$



final

Denominator:

0

embedding 16 [1, 0, 0, 1]

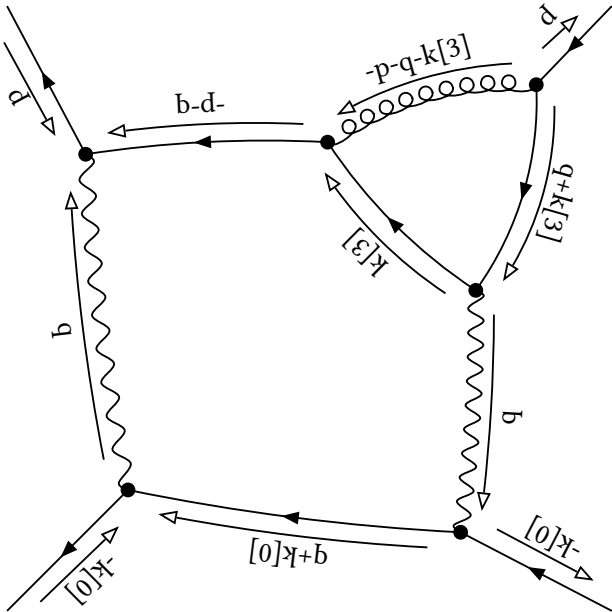
initial

Denominator:

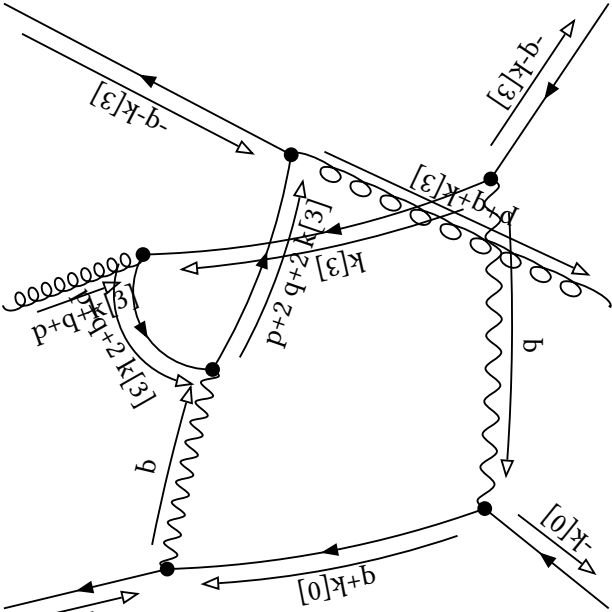
$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q-k[3]]^{-1} \text{dot}[p,p]^{-1}$



-3-15



-3+9-17

final

Denominator:

0

embedding 17 [1, 0, 1, -1]

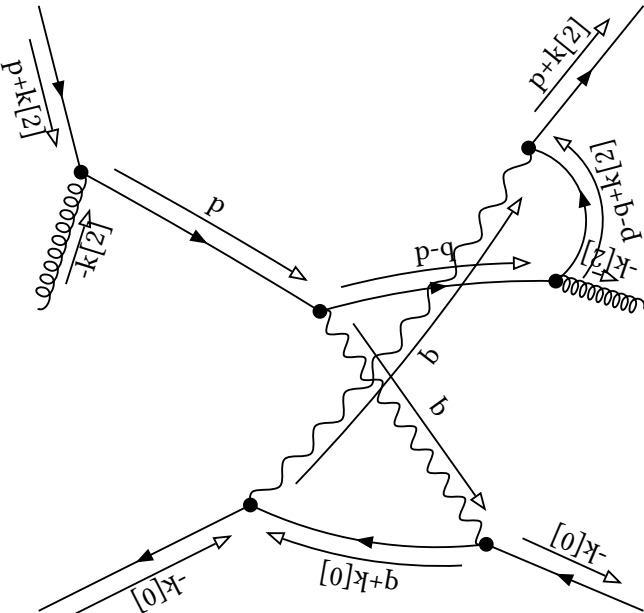
initial

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q+k[2]]^{-1}$

Partial Fractioned Denominator:

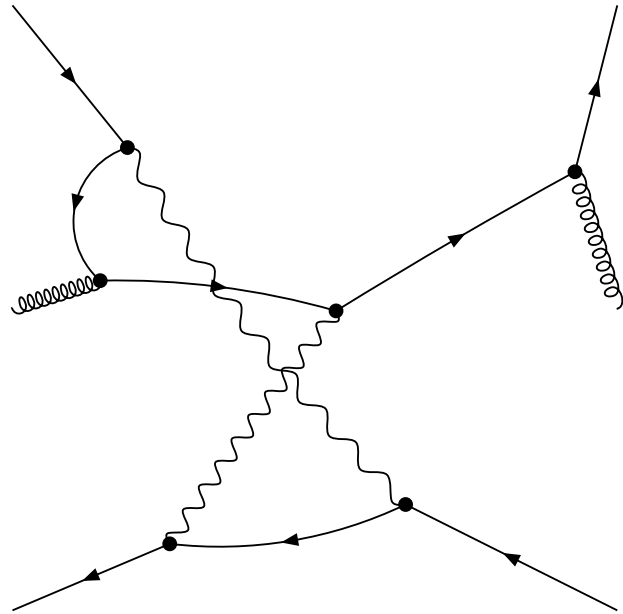
$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p-q+k[2]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p+q+k[2]]^{-1}$



-1-9+11

embedding 18 [1, 0, 1, 0]

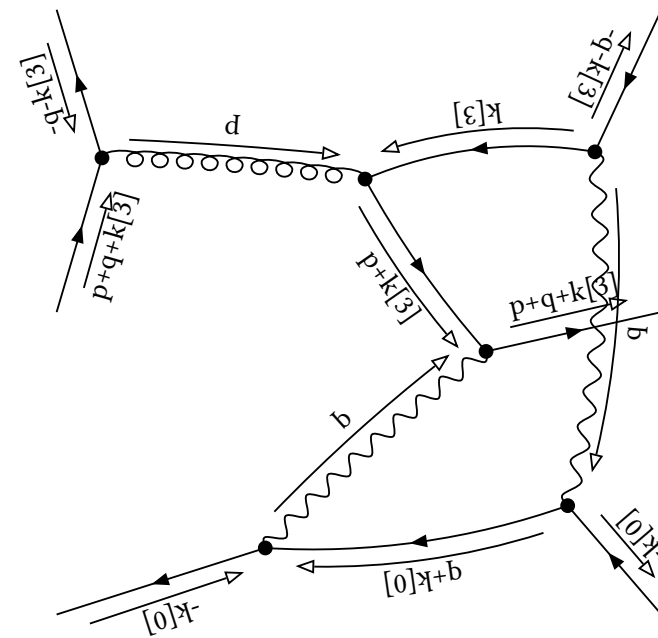
initial

Denominator:

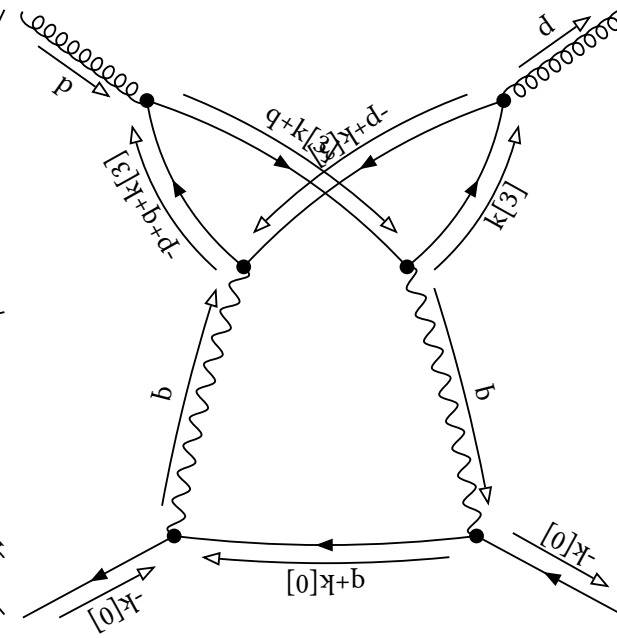
$$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1}$$

Partial Fractioned Denominator:

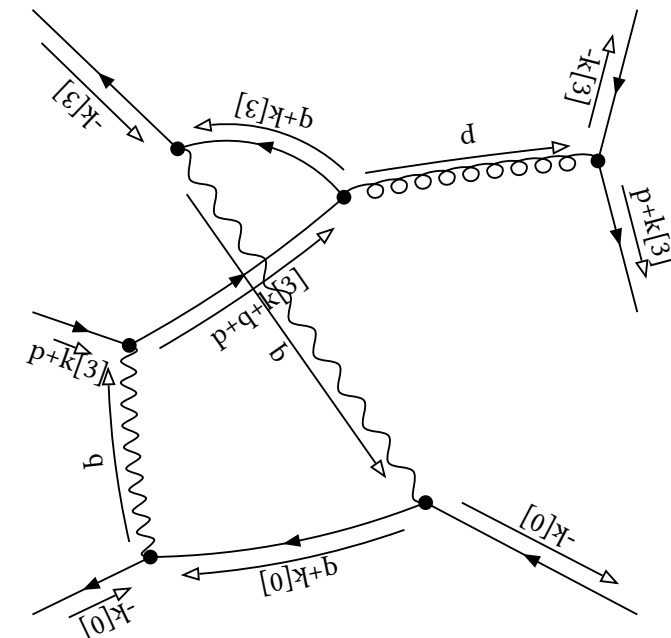
$$\begin{aligned} &1/2 \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{dot}[p,p]^{-1} \text{dot}[p,q]^{-1} \\ &-1/2 \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1} \text{dot}[p,p]^{-1} \text{dot}[p,q]^{-1} \\ &-1/2 \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1} \text{dot}[p,p]^{-1} \text{dot}[p,q]^{-1} \\ &+1/2 \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1} \text{dot}[p,p]^{-1} \text{dot}[p,q]^{-1} \end{aligned}$$



-3+15-17



-3-9

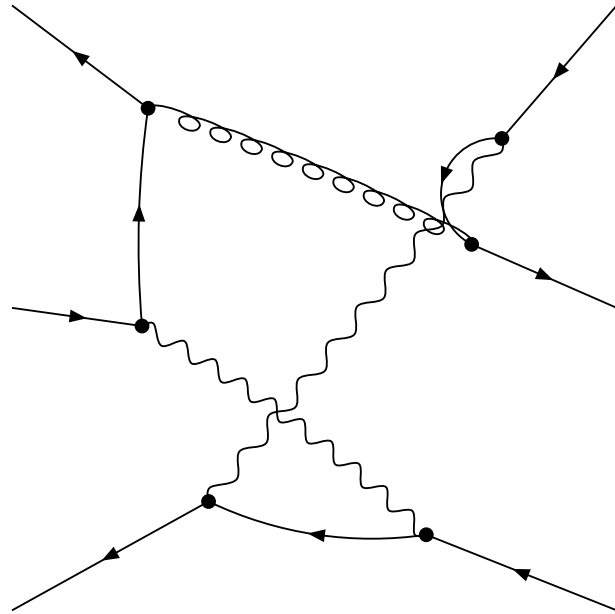


-3+11-13

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1} \text{prop}[0,p+2 \ q+k[3]]^{-1}$



-1+11-17

embedding 19 [1, 0, 1, 1]

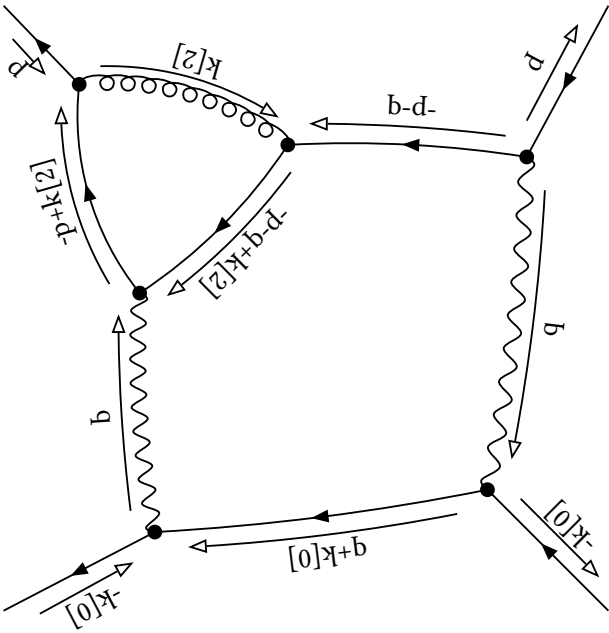
initial

Denominator:

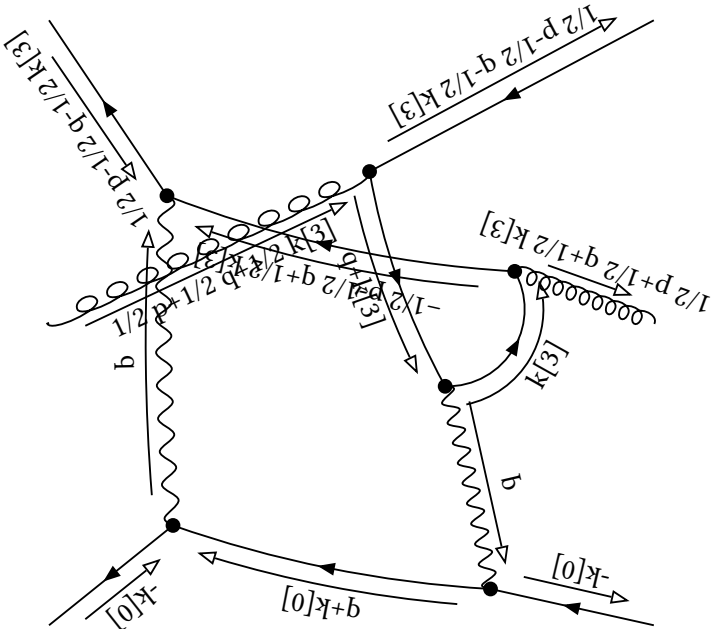
$\text{prop}[0,k[2]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q+k[2]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p-q+k[2]]^{-1} \text{dot}[p,p]^{-1}$



-3-17



-3-9-15

final

Denominator:

0

embedding 20 [1, 0, 1, 2]

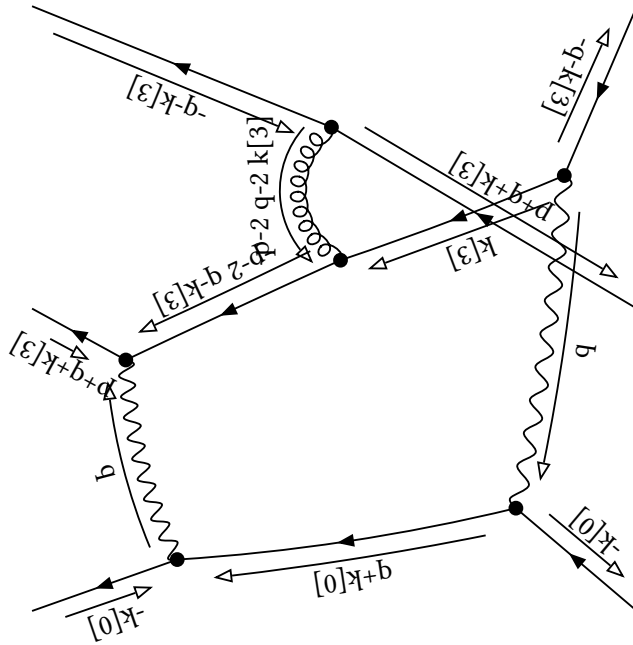
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \text{prop}[0, -p-2q-2k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & \frac{1}{2} (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \\ & - \frac{1}{2} (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \\ & - \frac{1}{2} (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \\ & + \frac{1}{2} (-2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \\ & - (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-2q-2k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-2k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & - (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \text{prop}[0, -p-2q-2k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & + 2 (\frac{1}{2} \text{dot}[p, p] + 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-2q-k[3]]^{-1} \text{prop}[0, -p-2q-2k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$



final

Denominator:

0

embedding 21 [1, 0, 2, 1]

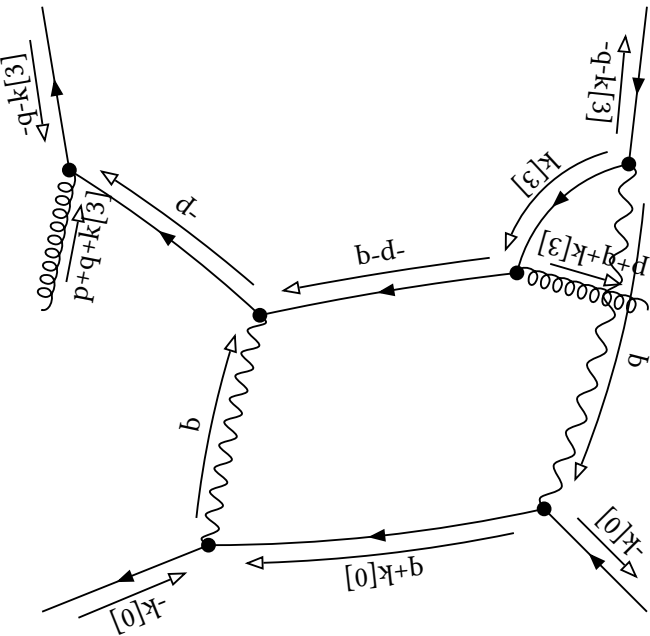
initial

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]+2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q-k[3]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

0

embedding 22 [1, 1, -2, -1]

initial

Denominator:

0

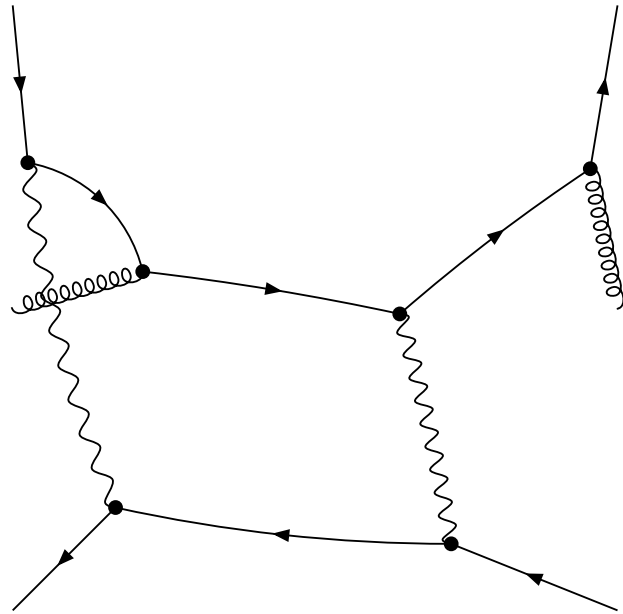
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q-k[3]]^{-1}$



-1+9+17

embedding 23 [1, 1, -1, -2]

initial

Denominator:

0

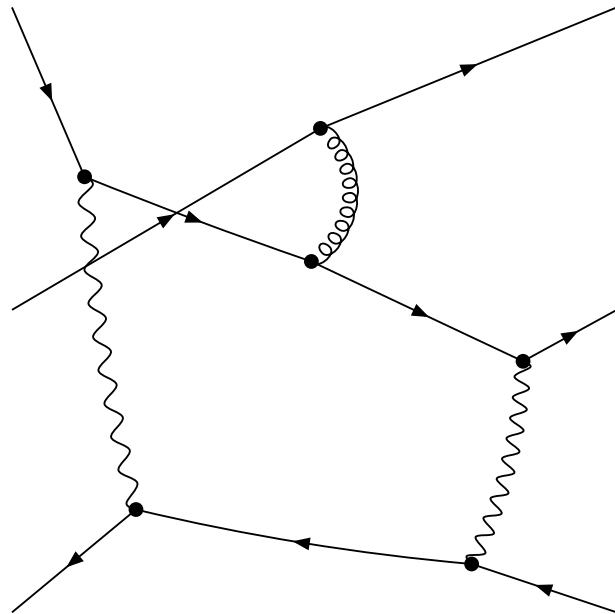
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q-k[3]]^{-1} \text{prop}[0,p-2 \ q-k[3]]^{-1} \text{prop}[0,p-2 \ q-2 \ k[3]]^{-1}$



-1+15+17

embedding 24 [1, 1, -1, -1]

initial

Denominator:

0

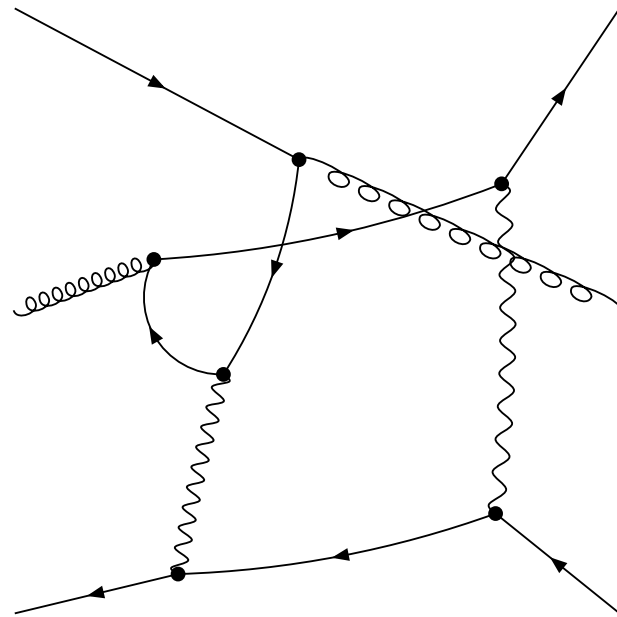
Partial Fractioned Denominator:

0

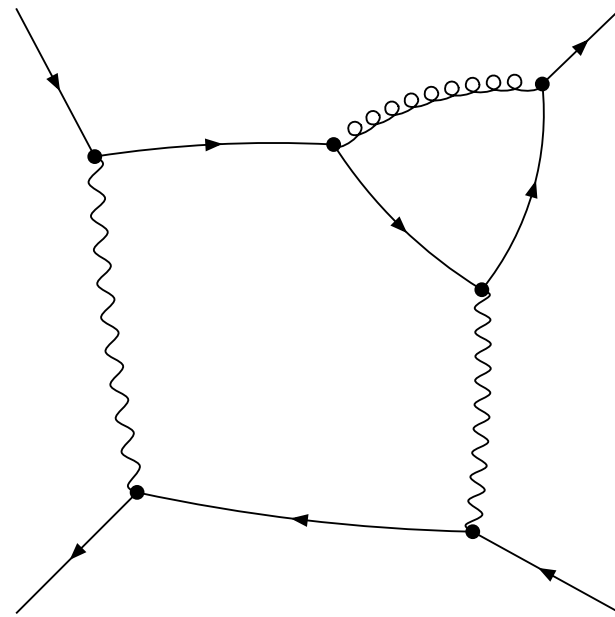
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,1/2 \ p+1/2 \ q+1/2 \ k[3]]^{-1} \text{prop}[0,1/2 \ p-1/2 \ q+1/2 \ k[3]]^{-1} \text{prop}[0,1/2 \ p-1/2 \ q-1/2 \ k[3]]^{-1}$



-1+9+15



-1+17

embedding 25 [1, 1, -1, 0]

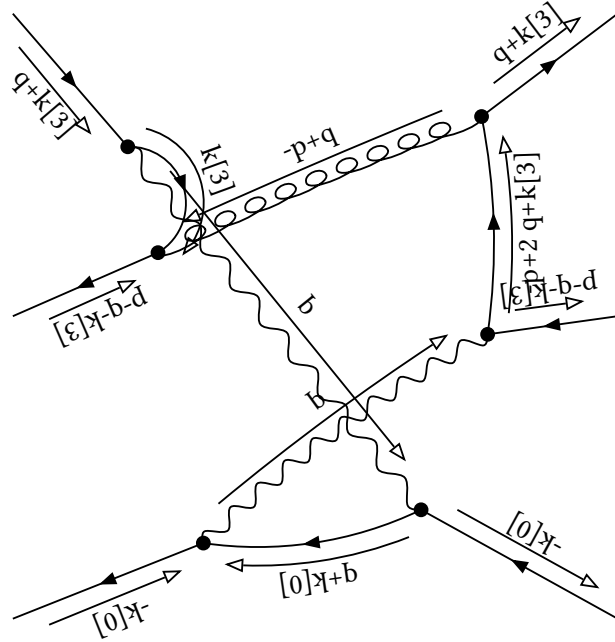
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{prop}[0, -p+2q+k[3]]^{-1}$$

Partial Fractioned Denominator:

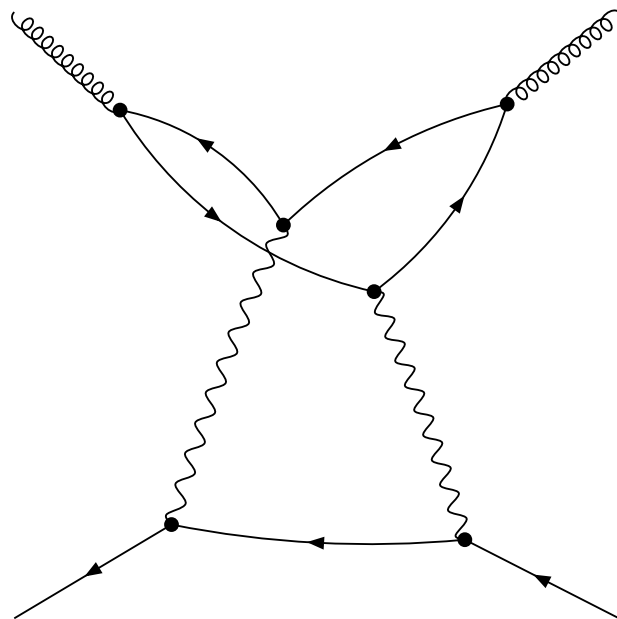
$$\begin{aligned} & -(2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] - 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \\ & + (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] - 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+2q+k[3]]^{-1} \\ & + (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] - 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{prop}[0, -p+2q+k[3]]^{-1} \\ & - (2 \text{dot}[p, q] - 2 \text{dot}[q, q])^{-1} (\text{dot}[p, p] - 2 \text{dot}[p, q] + \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{prop}[0, -p+2q+k[3]]^{-1} \end{aligned}$$



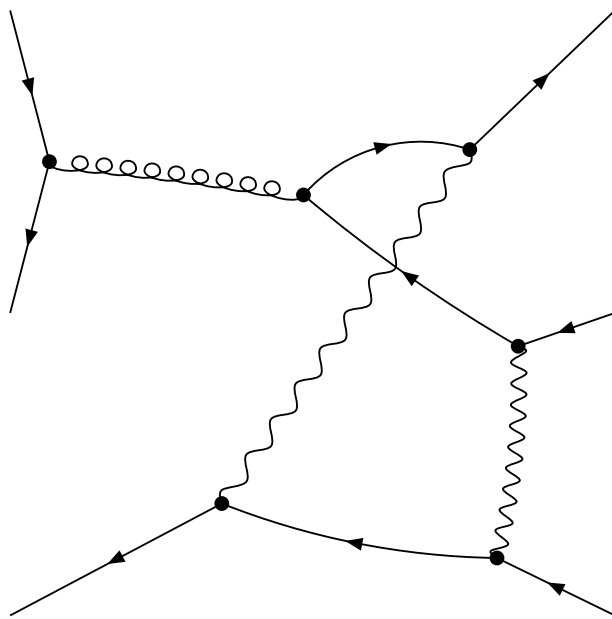
final

Denominator:

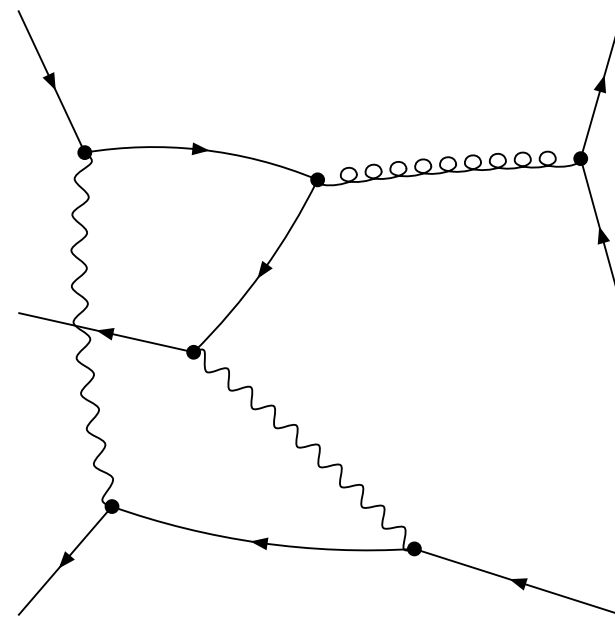
$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1}$



-1+9



-1-11+13



-1-15+17

embedding 26 [1, 1, -1, 1]

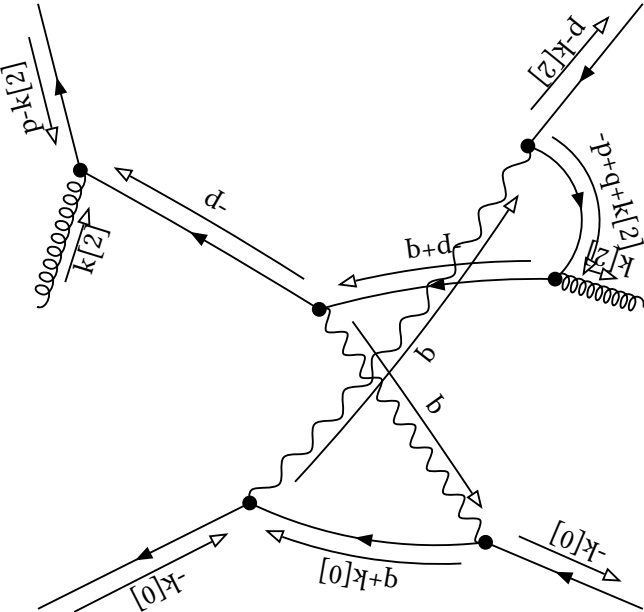
initial

Denominator:

$\text{prop}[0,k[2]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p+q+k[2]]^{-1}$

Partial Fractioned Denominator:

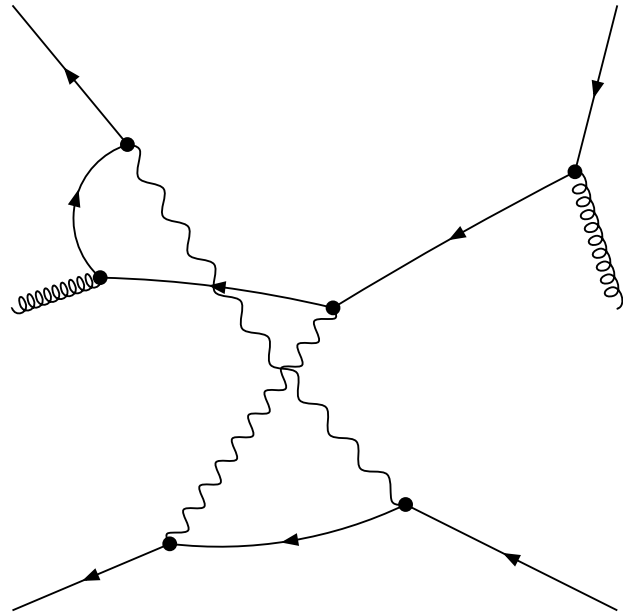
$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p+q+k[2]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

$\text{prop}[0,k[2]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q+k[2]]^{-1}$



-1+9-15

embedding 27 [1, 1, 0, -1]

initial

Denominator:

0

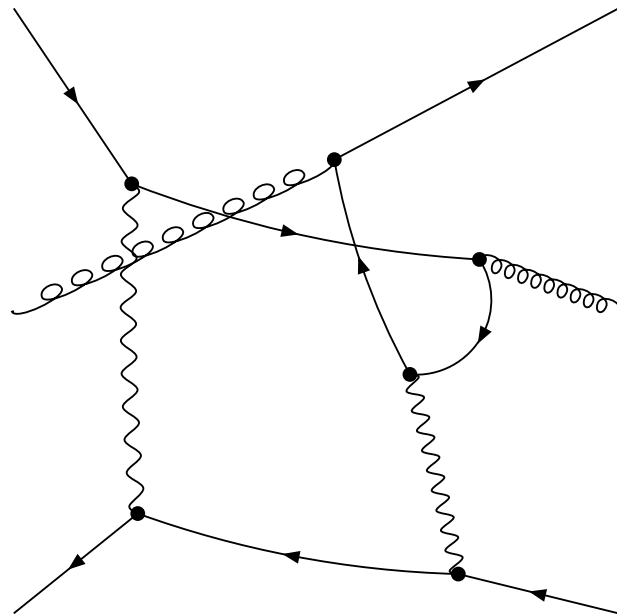
Partial Fractioned Denominator:

0

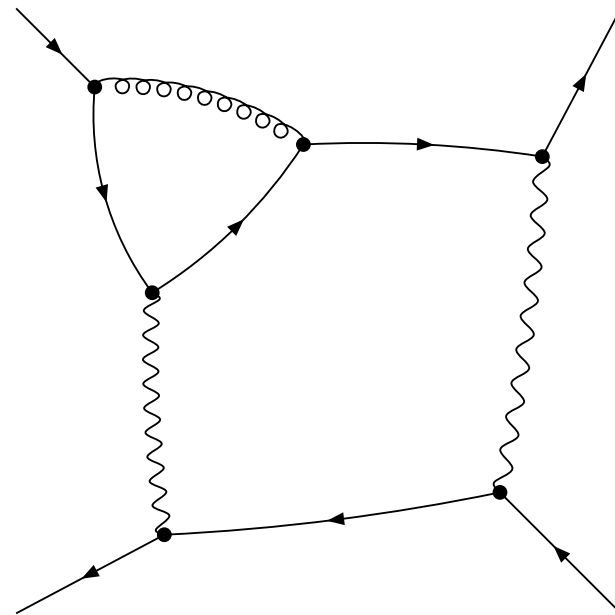
final

Denominator:

$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q+k[3]]^{-1} \text{prop}[0, -p+q+2 k[3]]^{-1} \text{prop}[0, -p+2 q+2 k[3]]^{-1}$



-1-9+17



-1+15

embedding 28 [1, 1, 0, 0]

initial

Denominator:

0

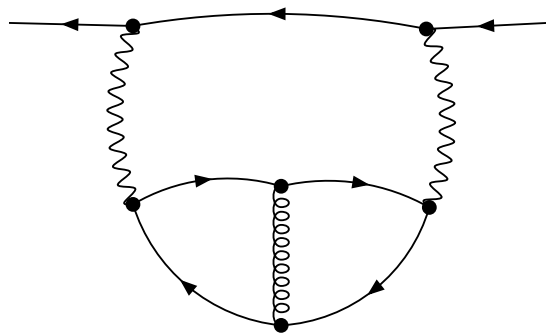
Partial Fractioned Denominator:

0

final

Denominator:

$$\text{prop}[\theta, k[2]]^{-1} \text{prop}[\theta, k[3]]^{-1} \text{prop}[\theta, q+k[3]]^{-1} \text{prop}[\theta, k[2]+k[3]]^{-1} \text{prop}[\theta, q+k[2]+k[3]]^{-1}$$



-1

embedding 29 [1, 1, 0, 1]

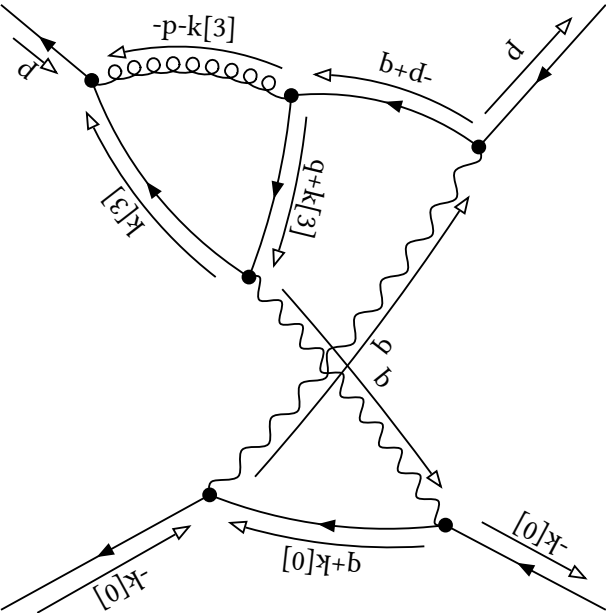
initial

Denominator:

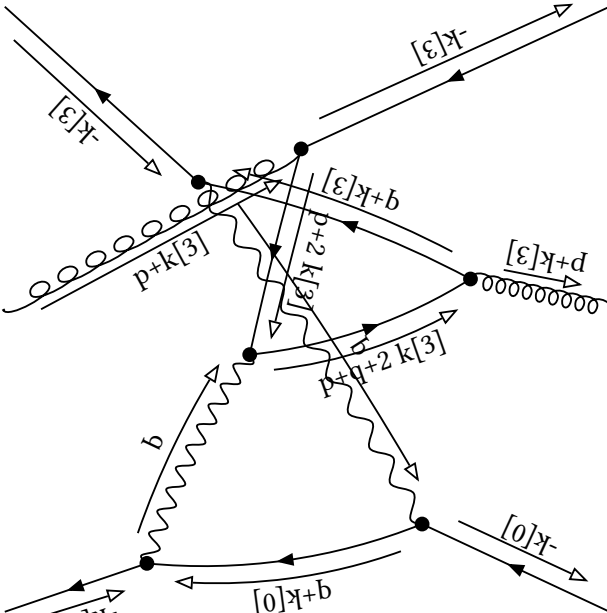
$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p-k[3]]^{-1}$

Partial Fractioned Denominator:

$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-k[3]]^{-1} \text{dot}[p,p]^{-1}$



-3-11

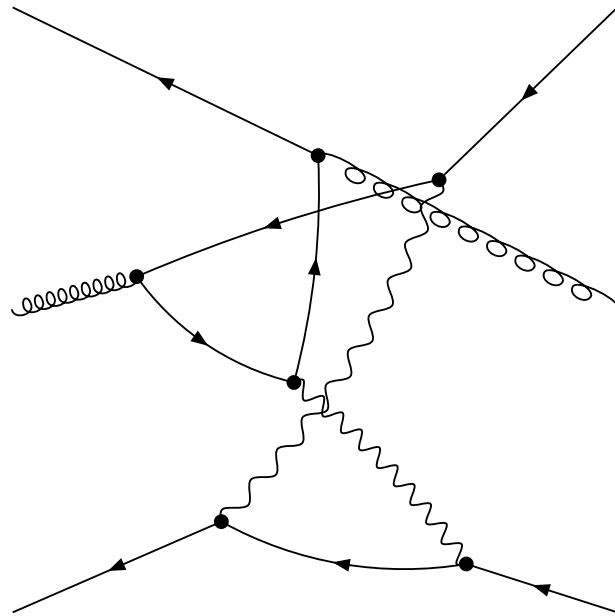


-3+9-13

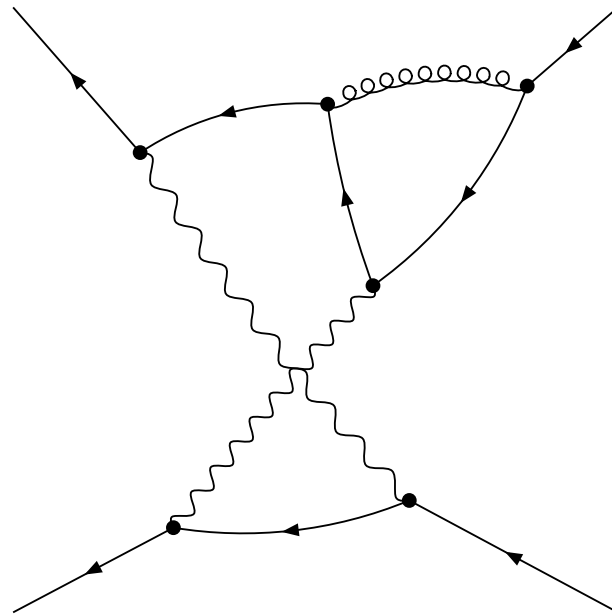
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p+q+k[3]]^{-1} \text{prop}[0,p+q+2 k[3]]^{-1} \text{prop}[0,p+2 q+2 k[3]]^{-1}$



-1+9-17



-1-15

embedding 30 [1, 1, 1, -1]

initial

Denominator:

0

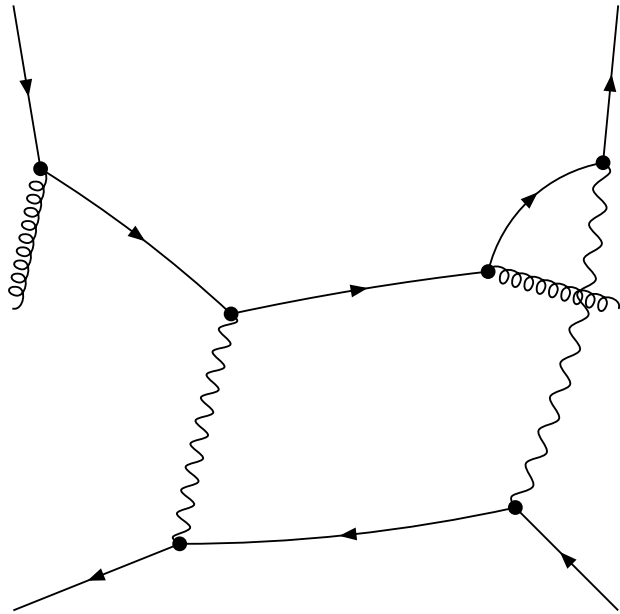
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,p+k[2]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q+k[2]]^{-1}$



-1-9+15

embedding 31 [1, 1, 1, 0]

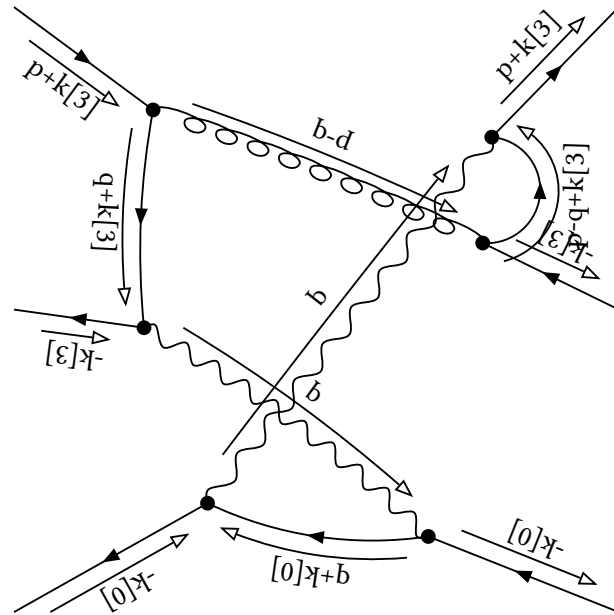
initial

Denominator:

$$\text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q+k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & (-2 \text{dot}[p,q]+2 \text{dot}[q,q])^{-1} (\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \\ & + (-2 \text{dot}[p,q]+2 \text{dot}[q,q])^{-1} (\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,p-q+k[3]]^{-1} \\ & - (-2 \text{dot}[p,q]+2 \text{dot}[q,q])^{-1} (\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q+k[3]]^{-1} \\ & - (-2 \text{dot}[p,q]+2 \text{dot}[q,q])^{-1} (\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q+k[3]]^{-1} \end{aligned}$$

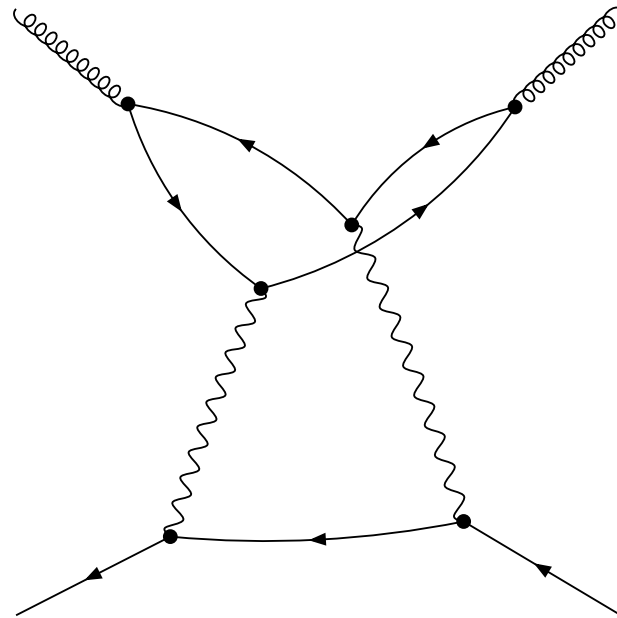


-3-13+15

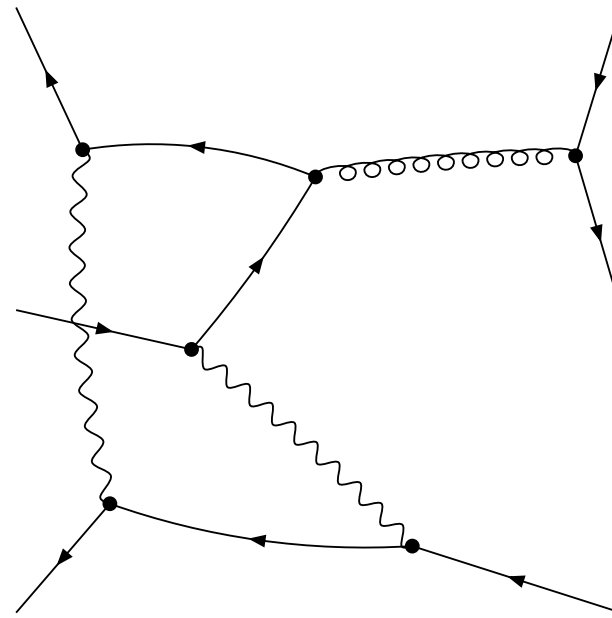
final

Denominator:

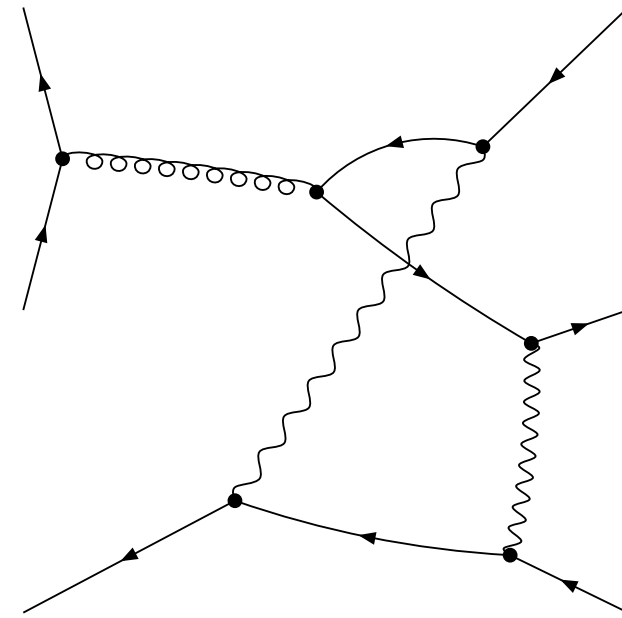
$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+k[3]]^{-1} \text{prop}[0,-p+q+k[3]]^{-1}$



-1-9



-1+11-13



-1+15-17

embedding 32 [1, 1, 1, 1]

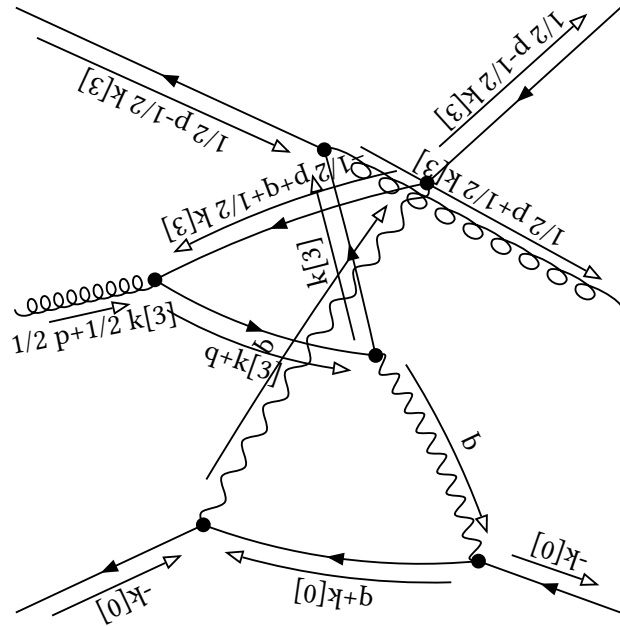
initial

Denominator:

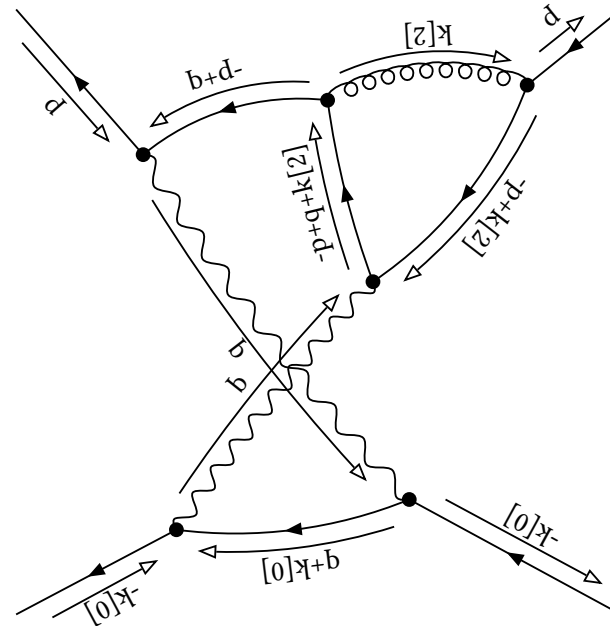
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p-1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & -4 (2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +4 (2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -2 (2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -4 (-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p-1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -4 (-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -1/2 p-1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p-1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -(-\text{dot}[p, p] + 2 \text{dot}[p, q] - \text{dot}[q, q])^{-1} \text{prop}[0, -1/2 p+1/2 k[3]]^{-1} \text{prop}[0, -1/2 p-1/2 k[3]]^{-1} \text{prop}[0, -1/2 p+q+1/2 k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$



-3-9-11

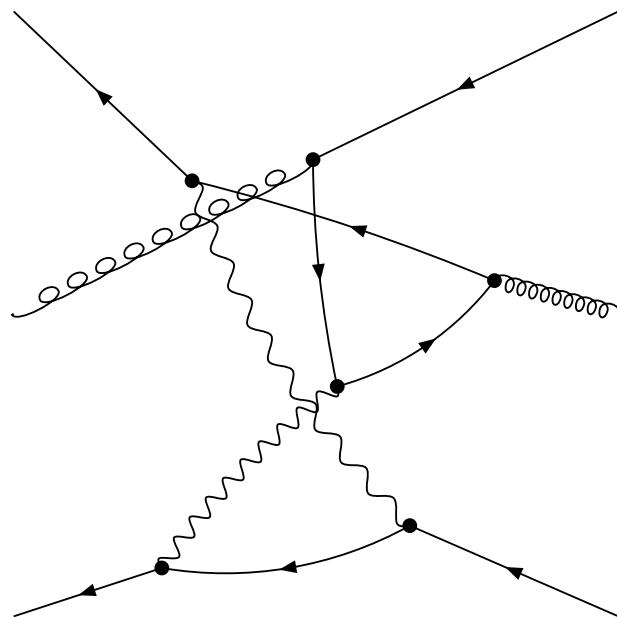


-3-13

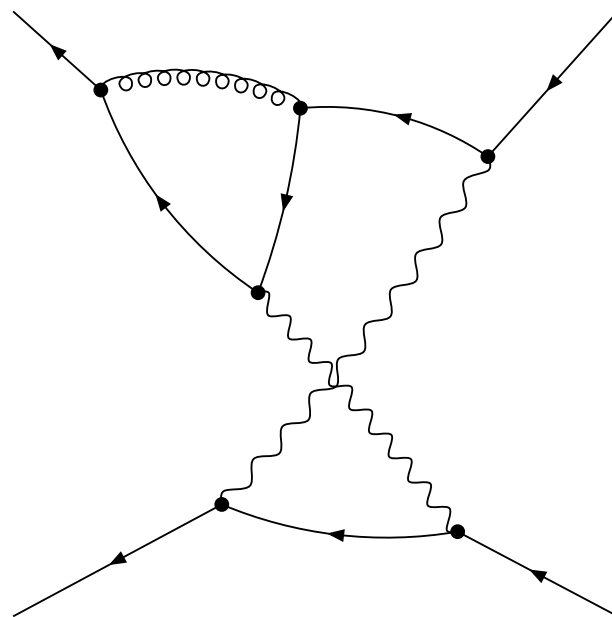
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-1/2 \ p+1/2 \ q+1/2 \ k[3]]^{-1} \text{prop}[0,-1/2 \ p-1/2 \ q+1/2 \ k[3]]^{-1} \text{prop}[0,-1/2 \ p-1/2 \ q-1/2 \ k[3]]^{-1}$



-1-9-15



-1-17

embedding 33 [1, 1, 1, 2]

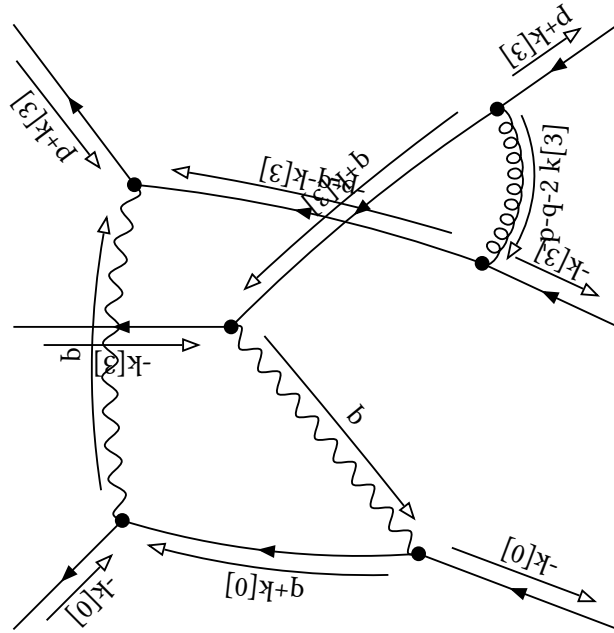
initial

Denominator:

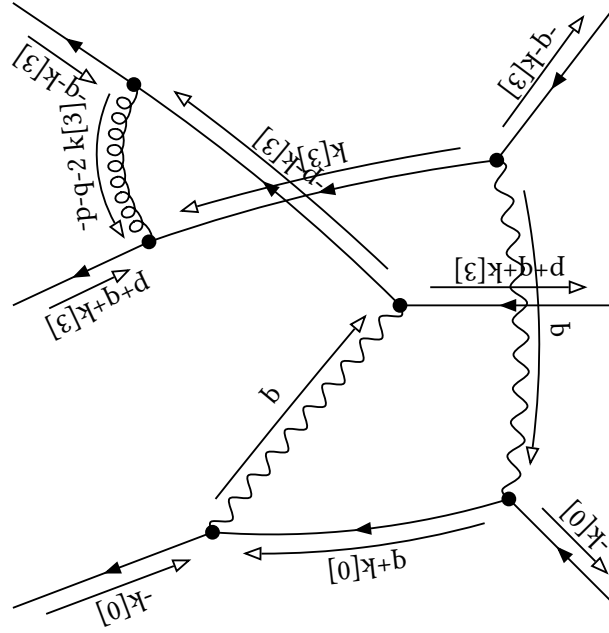
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-q-2 k[3]]^{-1}$$

Partial Fractioned Denominator:

$$\begin{aligned} & -1/2 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-2 k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q-2 k[3]]^{-1} \\ & - 1/2 (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q- \\ & k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-q-2 \\ & k[3]]^{-1} \\ & + (1/2 \text{dot}[p, p] - \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{prop}[0, -p-q-2 \\ & k[3]]^{-1} \\ & - 1/4 (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & + 1/4 (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & + 1/4 (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \\ & - 1/4 (1/2 \text{dot}[p, p] + \text{dot}[p, q] + 1/2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-q-k[3]]^{-1} \text{dot}[p, q]^{-1} \end{aligned}$$



-3-13-15

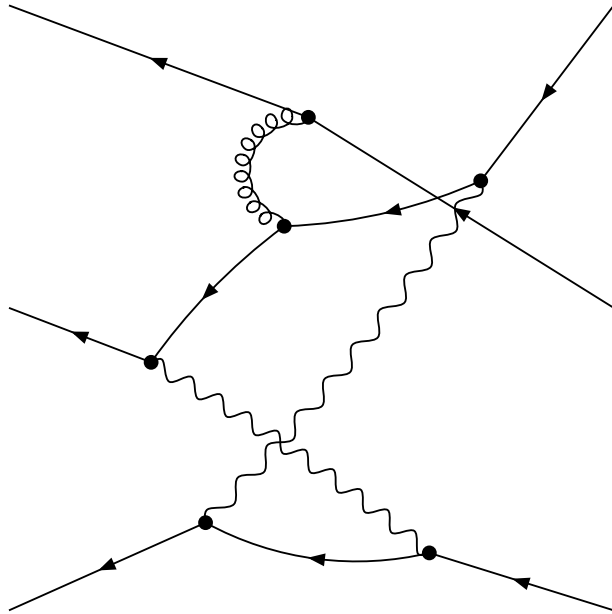


-3-11-17

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q-k[3]]^{-1} \text{prop}[0,-p-2\ q-k[3]]^{-1} \text{prop}[0,-p-2\ q-2\ k[3]]^{-1}$



-1-15-17

embedding 34 [1, 1, 2, 1]

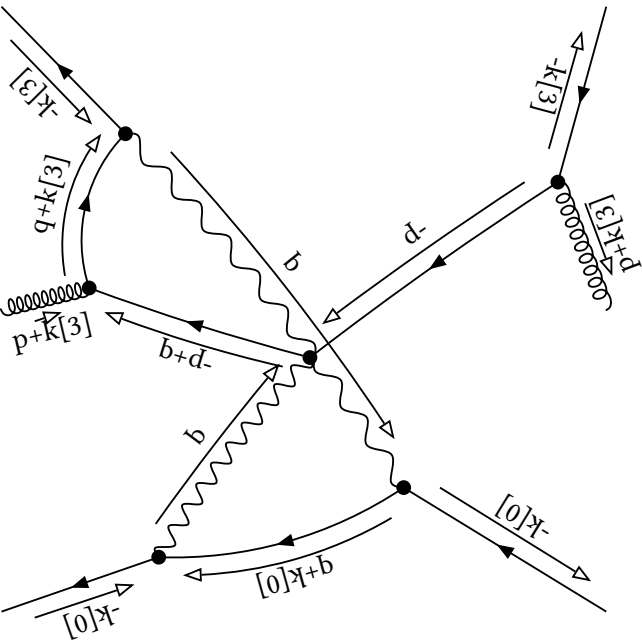
initial

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p-k[3]]^{-1}$

Partial Fractioned Denominator:

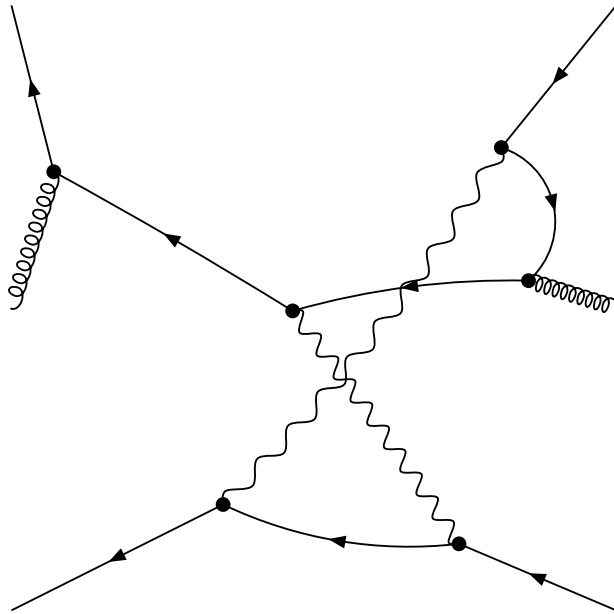
$(\text{dot}[p,p]-2 \text{dot}[p,q]+\text{dot}[q,q])^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-k[3]]^{-1} \text{dot}[p,p]^{-1}$



final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-q]^{-1} \text{prop}[0,-p-q-k[3]]^{-1}$



-1-9-17

embedding 35 [1, 2, -1, 0]

initial

Denominator:

0

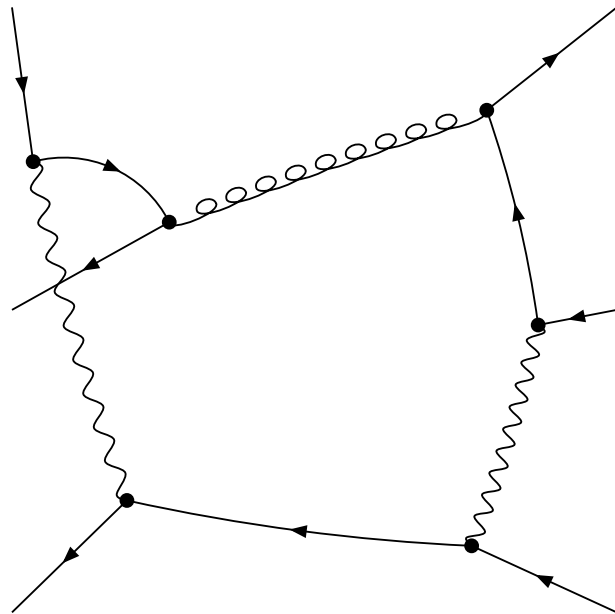
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p+q+k[3]]^{-1} \text{prop}[0,-p+2 \ q+k[3]]^{-1}$



-1-11+17

embedding 36 [1, 2, -1, 1]

initial

Denominator:

0

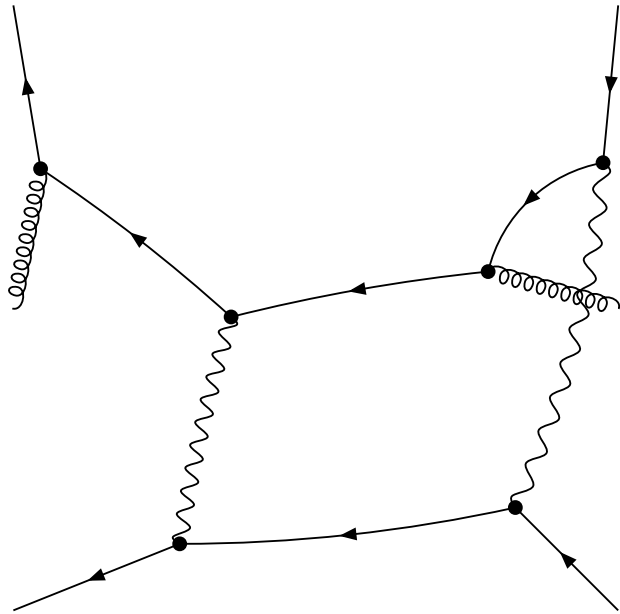
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[2]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p+q+k[2]]^{-1}$



-1+9-11

embedding 37 [1, 2, 0, 1]

initial

Denominator:

0

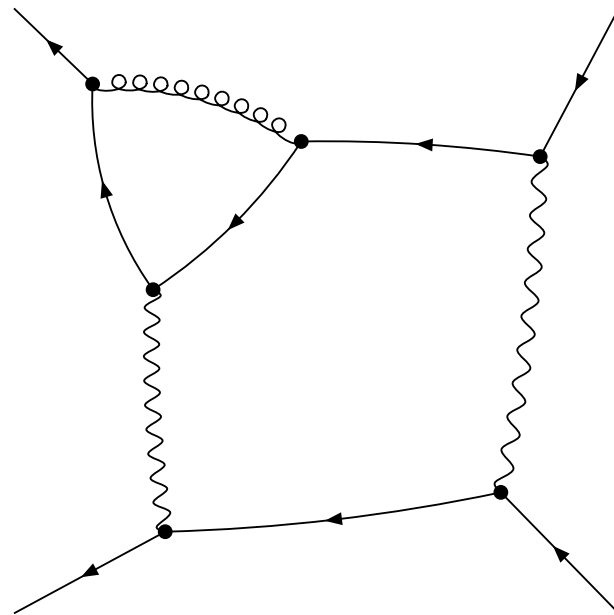
Partial Fractioned Denominator:

0

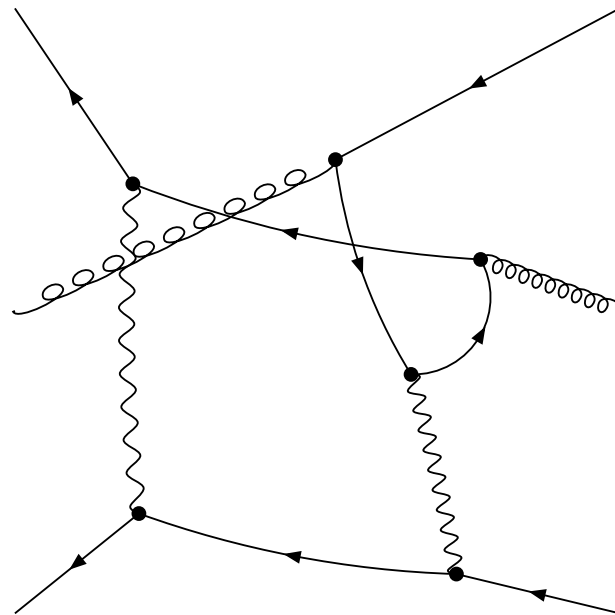
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p-k[3]]^{-1}$



-1-11



-1+9-13

embedding 38 [1, 2, 1, 0]

initial

Denominator:

0

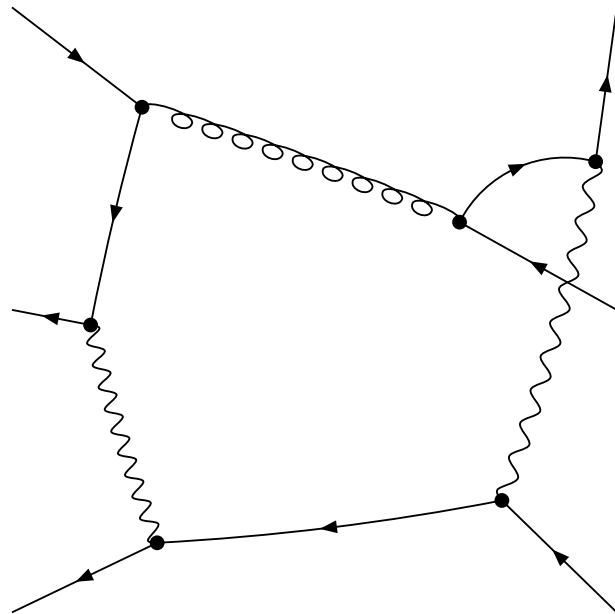
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,p+k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,p-q]^{-1} \text{prop}[0,p-q+k[3]]^{-1}$



-1-13+15

embedding 39 [1, 2, 1, 1]

initial

Denominator:

0

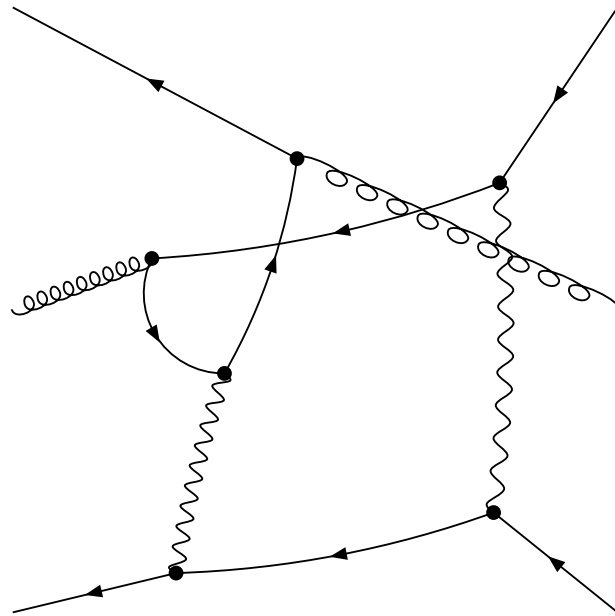
Partial Fractioned Denominator:

0

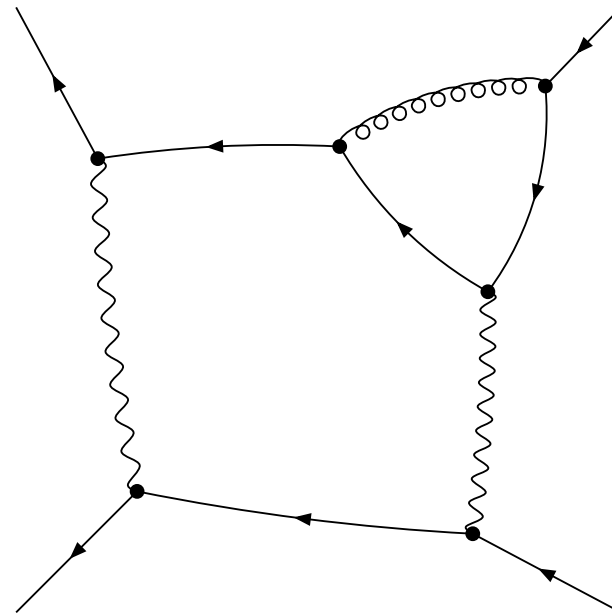
final

Denominator:

$$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-1/2 \ p+1/2 \ k[3]]^{-1} \text{prop}[0,-1/2 \ p-1/2 \ k[3]]^{-1} \text{prop}[0,-1/2 \ p+q+1/2 \ k[3]]^{-1}$$



-1-9-11



-1-13

embedding 40 [1, 2, 1, 2]

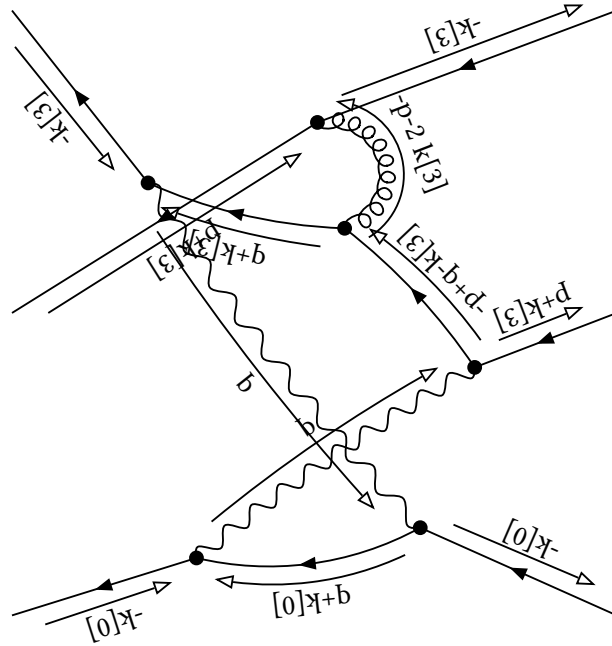
initial

Denominator:

$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-2 k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1}$$

Partial Fractioned Denominator:

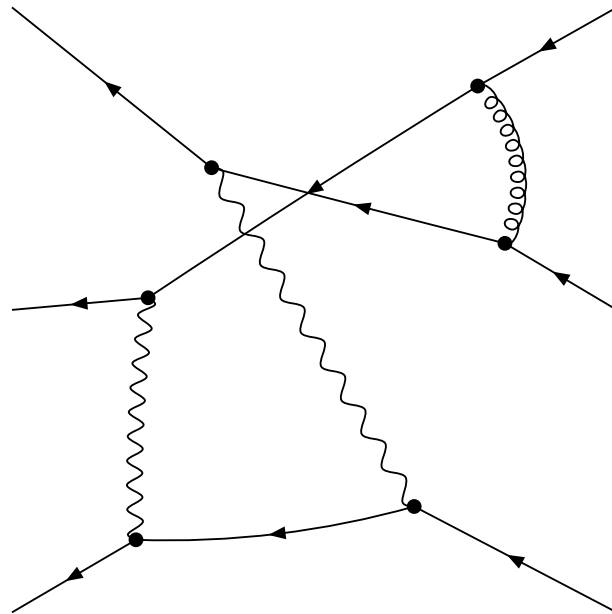
$$\begin{aligned} & -(-2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +(-2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -(-2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +(-2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -(1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, k[3]]^{-1} \text{prop}[0, -p-2 k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-2 k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & -(1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, q+k[3]]^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \\ & +2 (1/2 \text{dot}[p, p] - 2 \text{dot}[p, q] + 2 \text{dot}[q, q])^{-1} \text{prop}[0, -p-k[3]]^{-1} \text{prop}[0, -p-2 k[3]]^{-1} \text{prop}[0, -p+q-k[3]]^{-1} \text{dot}[p, p]^{-1} \end{aligned}$$



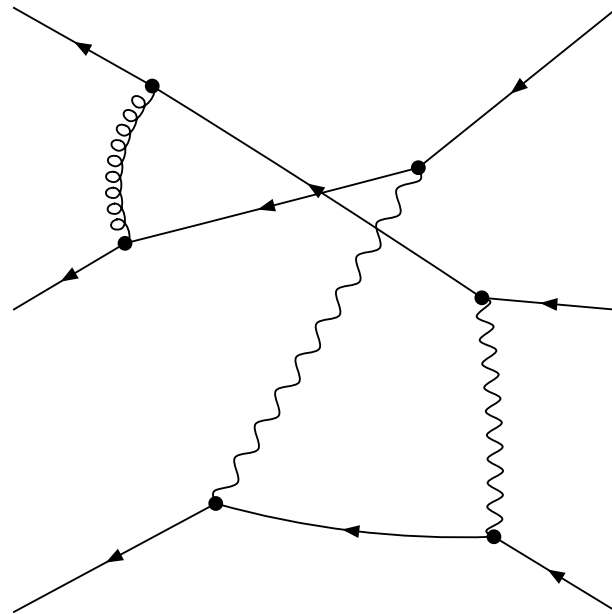
final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-k[3]]^{-1} \text{prop}[0,-p-q-k[3]]^{-1} \text{prop}[0,-p-q-2 k[3]]^{-1}$



-1-13-15



-1-11-17

embedding 41 [1, 2, 2, 1]

initial

Denominator:

0

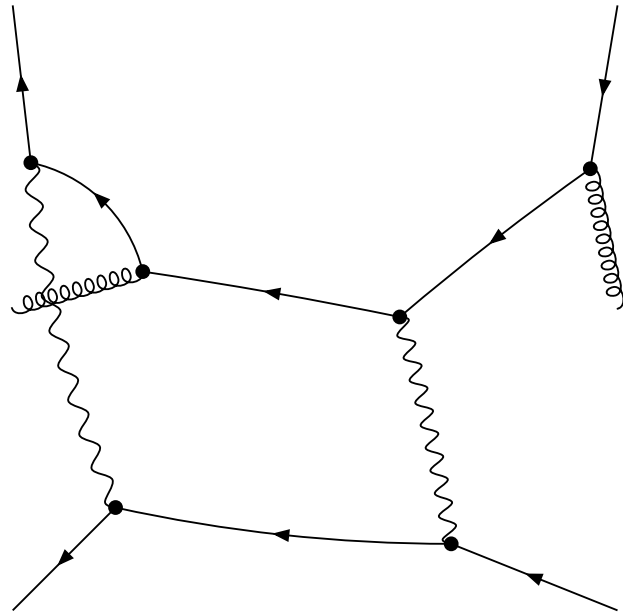
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p+q]^{-1} \text{prop}[0,-p-k[3]]^{-1}$



-1-9-13

embedding 42 [1, 3, 1, 2]

initial

Denominator:

0

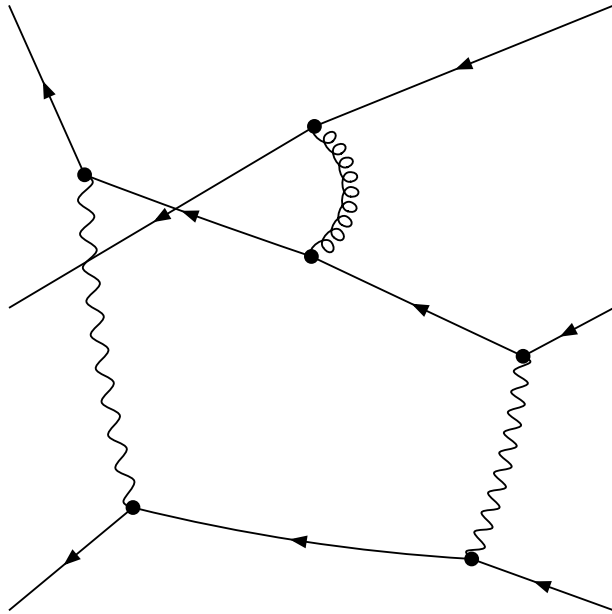
Partial Fractioned Denominator:

0

final

Denominator:

$\text{prop}[0,k[3]]^{-1} \text{prop}[0,q+k[3]]^{-1} \text{prop}[0,-p-k[3]]^{-1} \text{prop}[0,-p-2\ k[3]]^{-1} \text{prop}[0,-p+q-k[3]]^{-1}$



-1-11-13

