

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

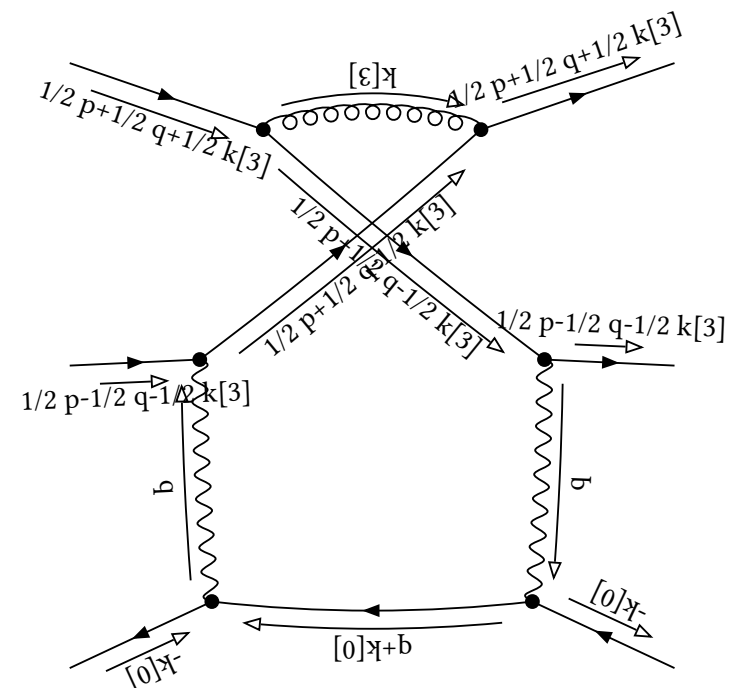
initial

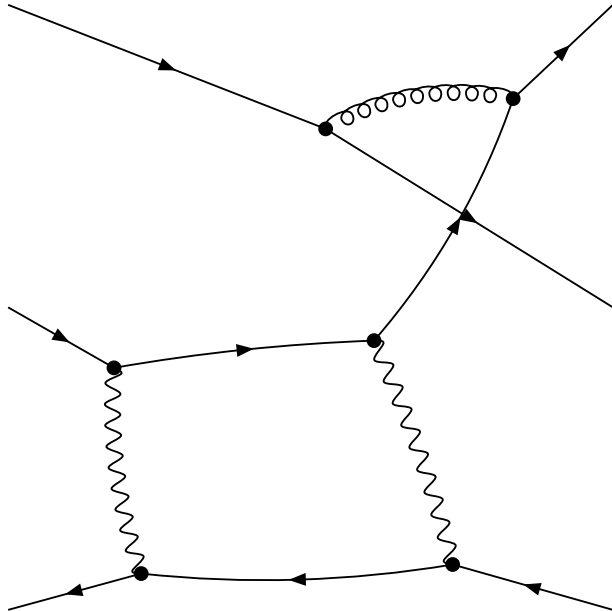
Denominator:

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

Partial Fractioned Denominator:

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





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

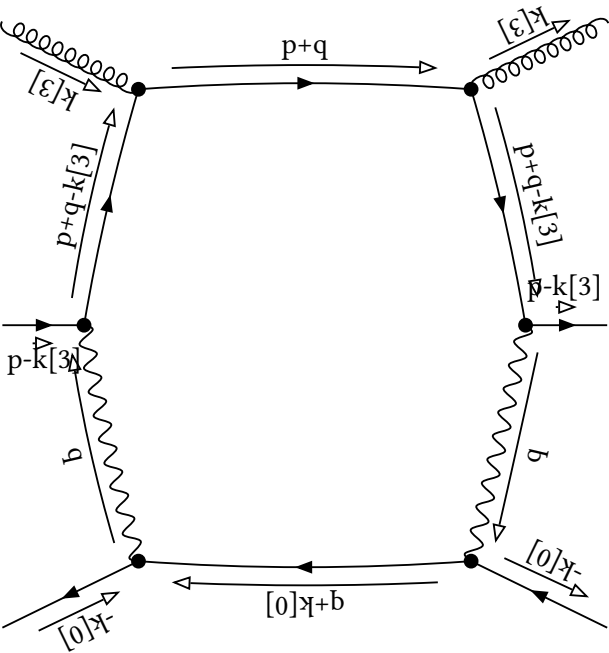
initial

Denominator:

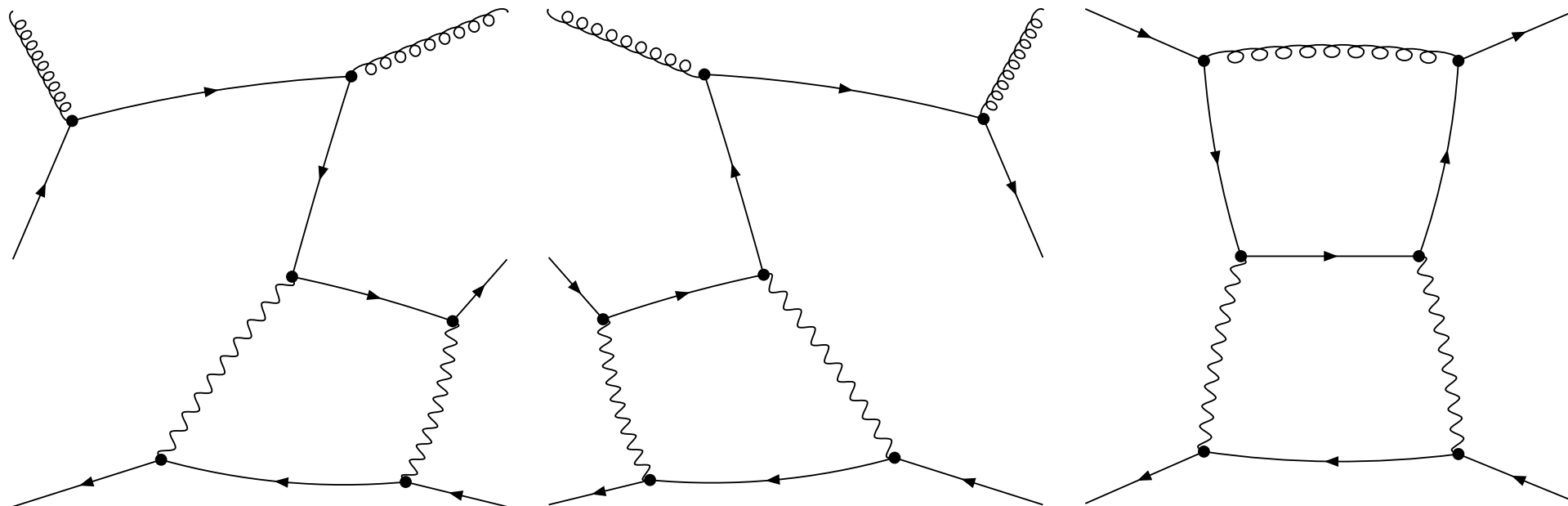
$\text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-1} \text{prop}[0,p-k[3]]^{-1} \text{prop}[0,p+q-k[3]]^{-2}$

Partial Fractioned Denominator:

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



final



embedding 3 [1, 0, -1, 0]

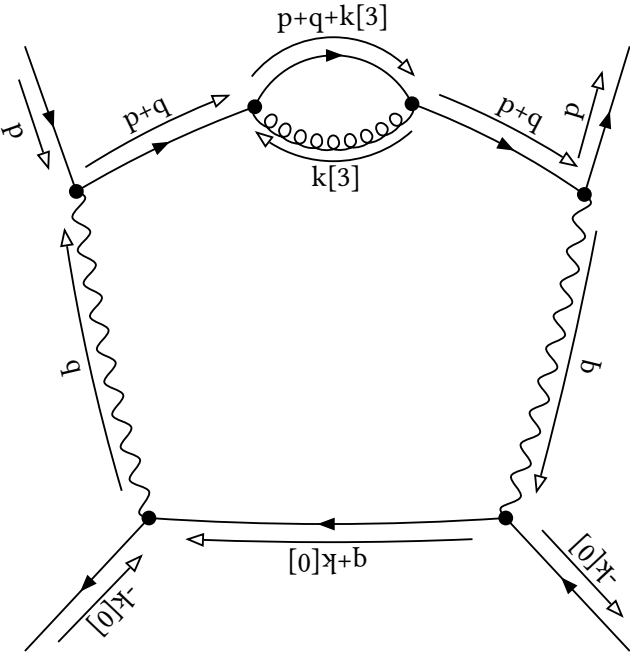
initial

Denominator:

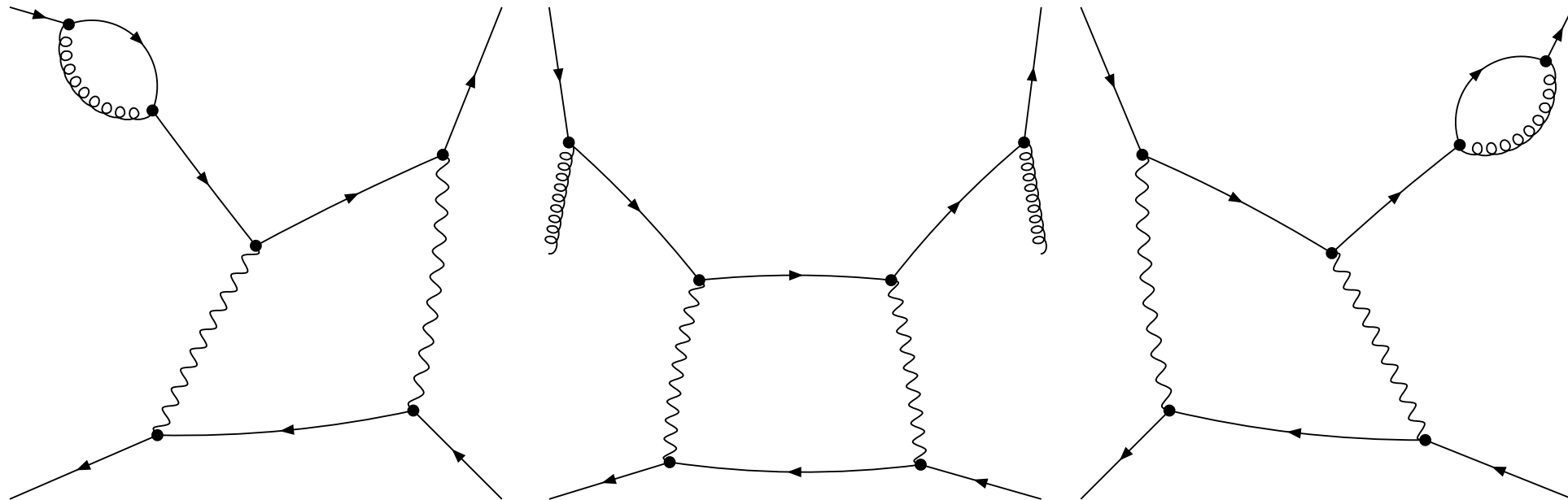
$\text{prop}[0,p]^{-1} \text{prop}[0,k[3]]^{-1} \text{prop}[0,p+q]^{-2} \text{prop}[0,p+q+k[3]]^{-1}$

Partial Fractioned Denominator:

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



final



embedding 4 [1, 0, -1, 1]

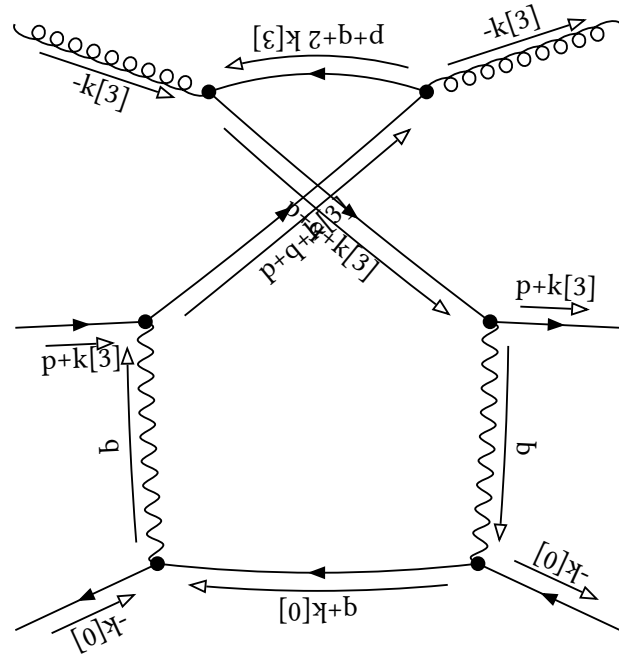
initial

Denominator:

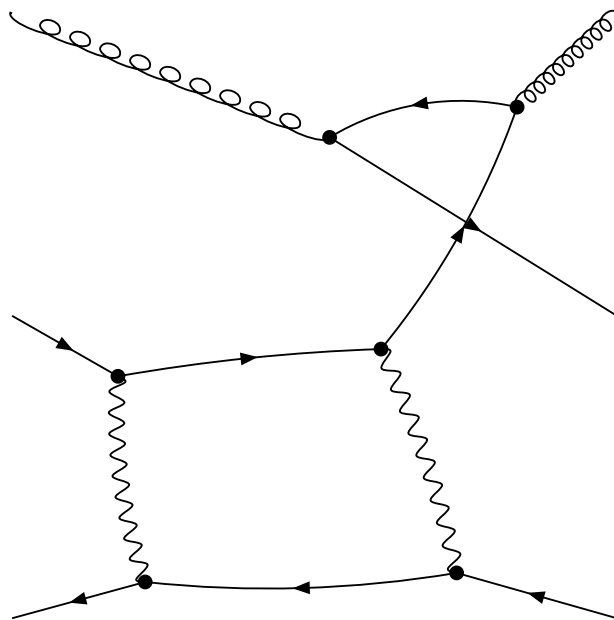
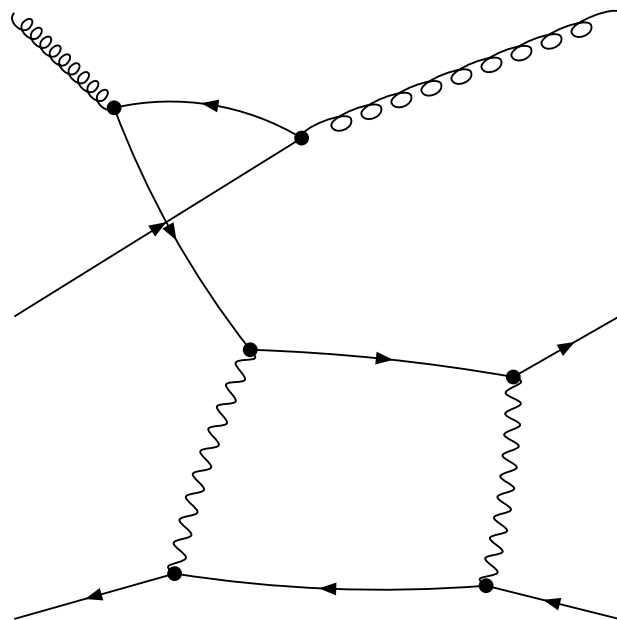
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, p+k[3]]^{-1} \text{prop}[0, p+q+k[3]]^{-2} \text{prop}[0, p+q+2 \ k[3]]^{-1}$$

Partial Fractioned Denominator:

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



final



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

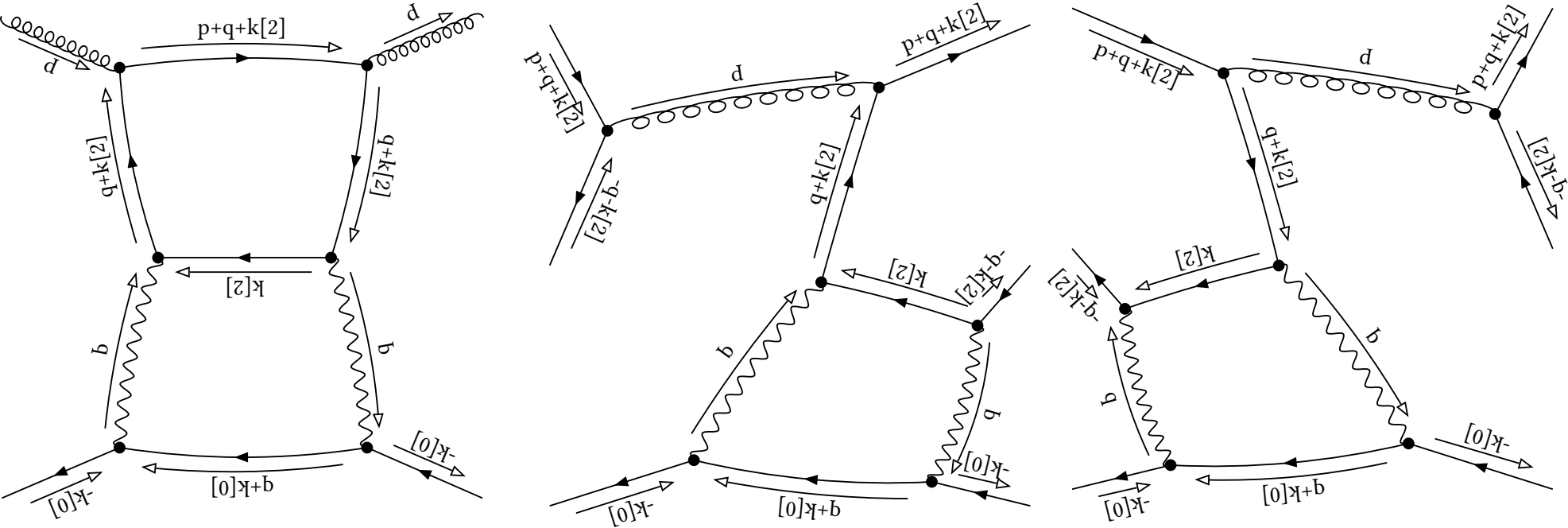
initial

Denominator:

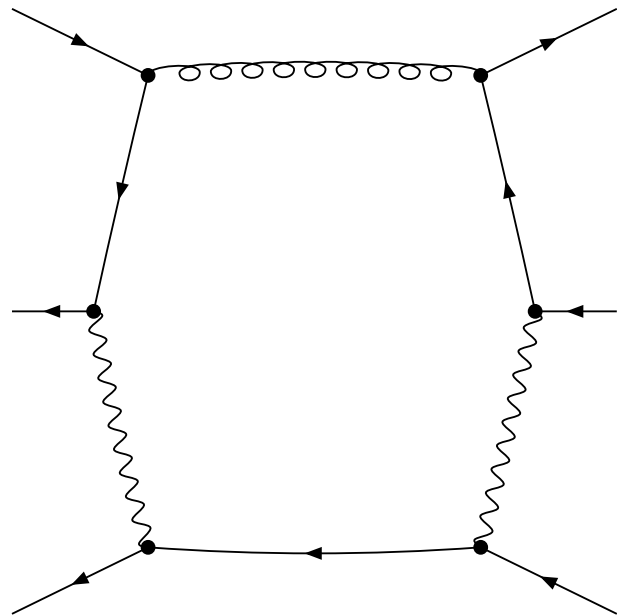
$\text{prop}[0,p]^{-1} \text{prop}[0,k[2]]^{-1} \text{prop}[0,q+k[2]]^{-2} \text{prop}[0,p+q+k[2]]^{-1}$

Partial Fractioned Denominator:

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



final



embedding 6 [1, 1, 0, 1]

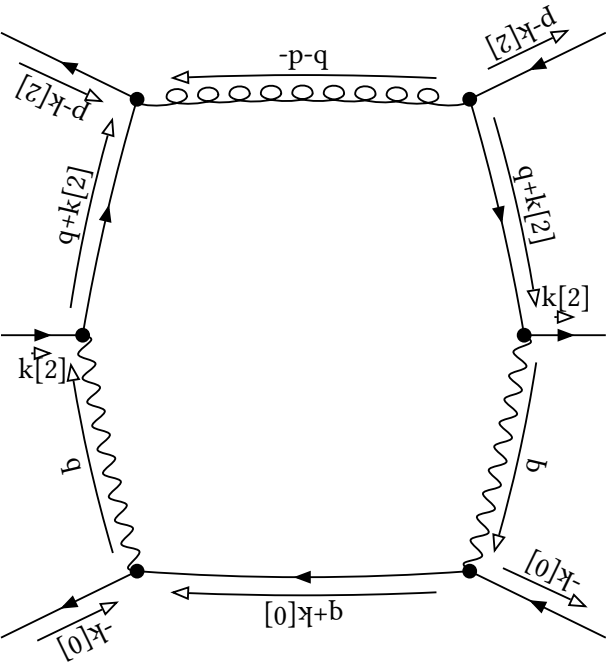
initial

Denominator:

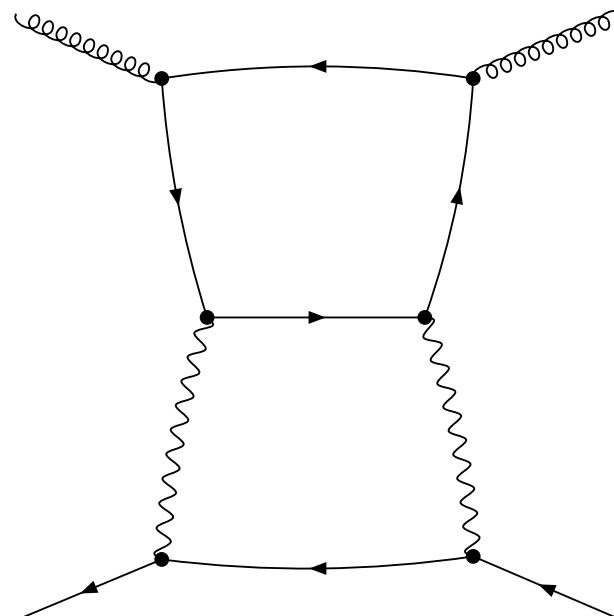
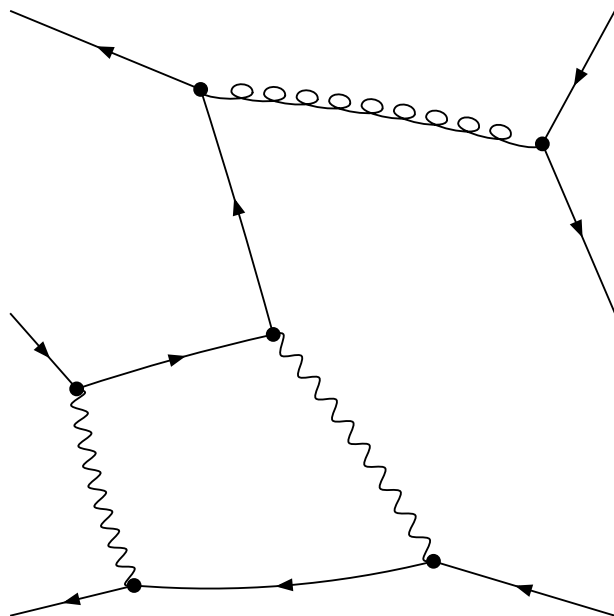
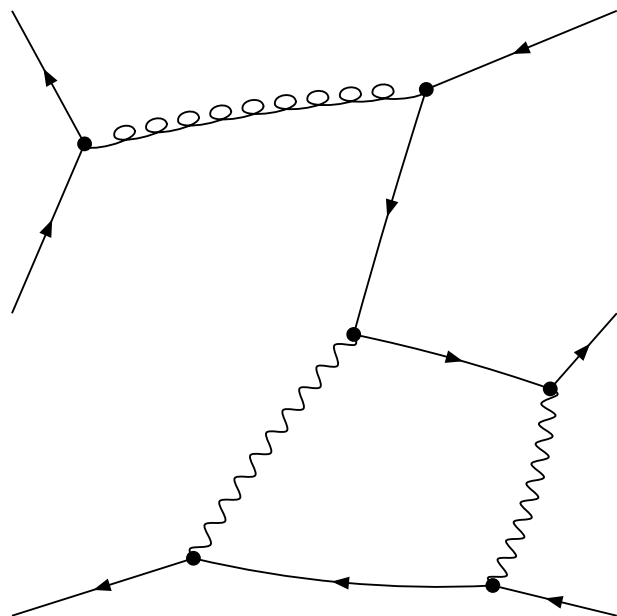
$\text{prop}[0,k[2]]^{-1} \text{prop}[0,q+k[2]]^{-2} \text{prop}[0,-p+k[2]]^{-1} \text{prop}[0,-p-q]^{-1}$

Partial Fractioned Denominator:

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



final



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

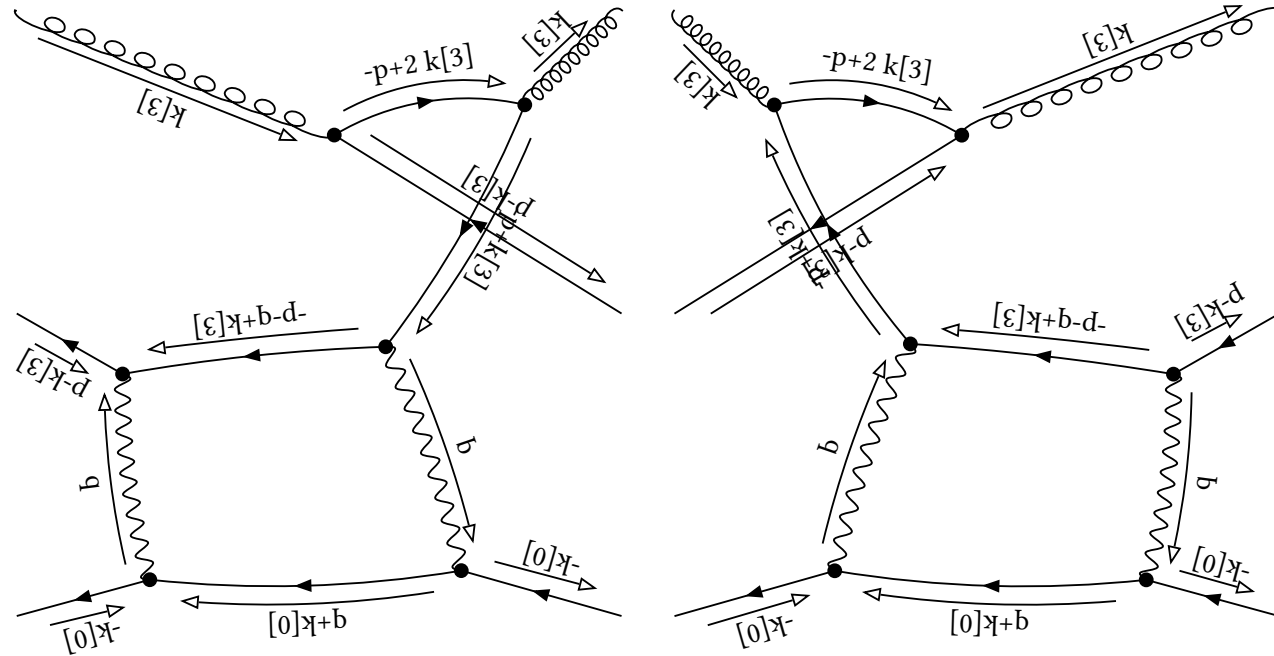
initial

Denominator:

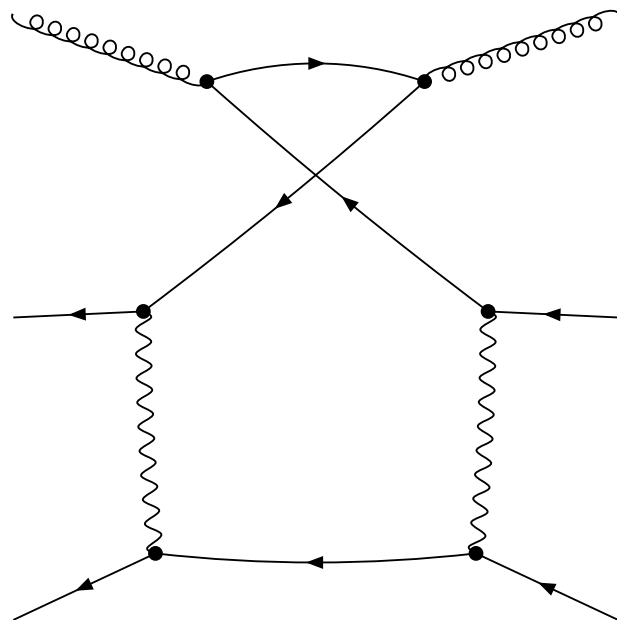
$$\text{prop}[0, k[3]]^{-1} \text{prop}[0, -p+k[3]]^{-2} \text{prop}[0, -p+2 k[3]]^{-1} \text{prop}[0, -p-q+k[3]]^{-1}$$

Partial Fractioned Denominator:

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



final



embedding 8 [1, 1, 1, 0]

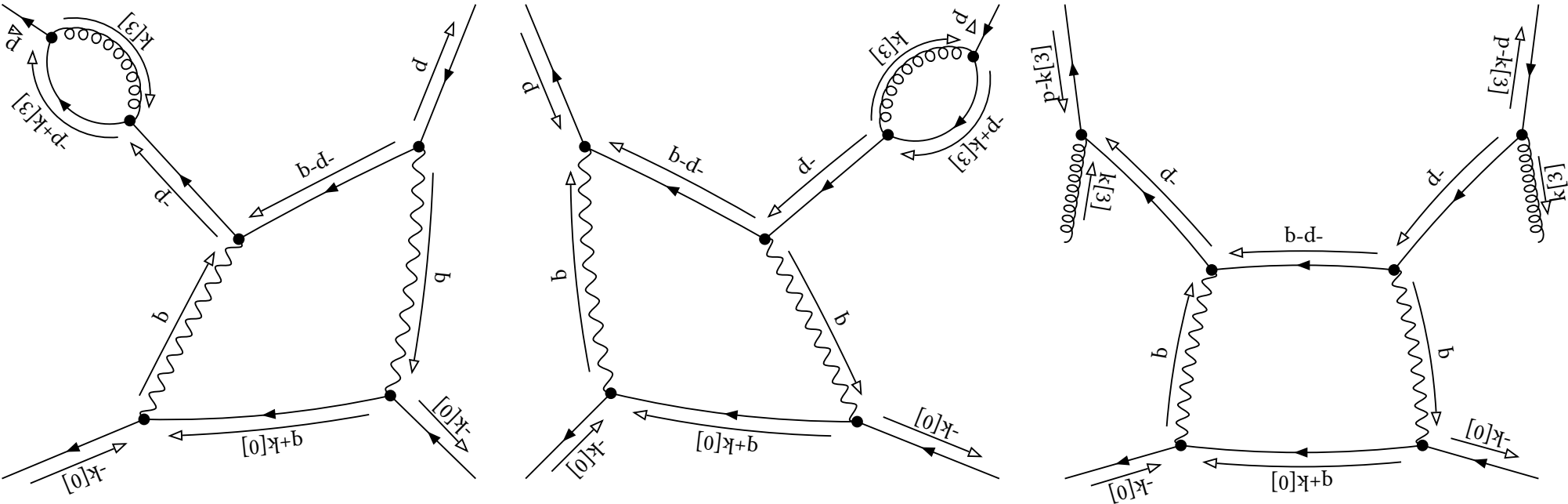
initial

Denominator:

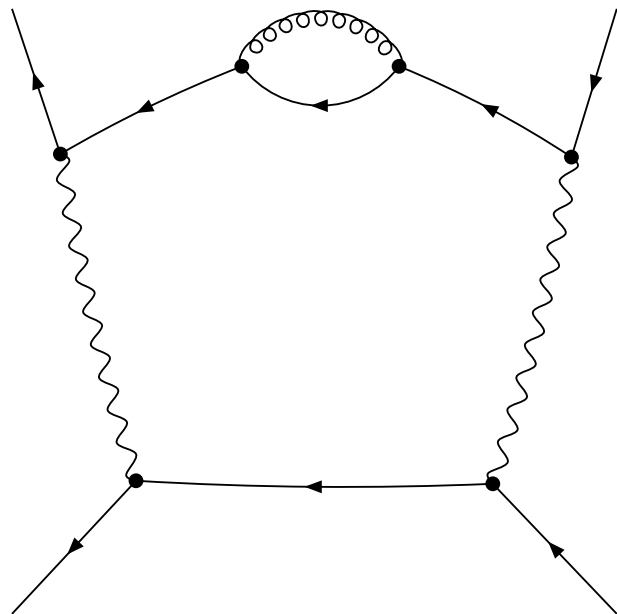
$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-2} \text{prop}[0,-p+k[3]]^{-1} \text{prop}[0,-p-q]^{-1}$

Partial Fractioned Denominator:

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



final



embedding 9 [1, 1, 1, 1]

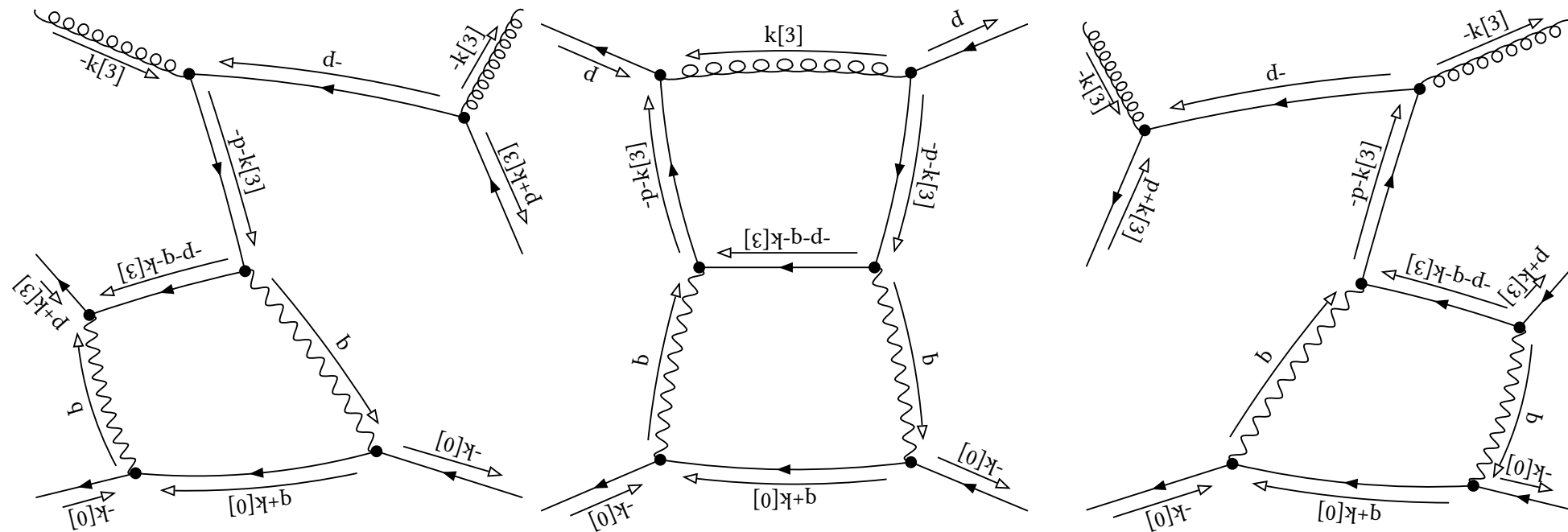
initial

Denominator:

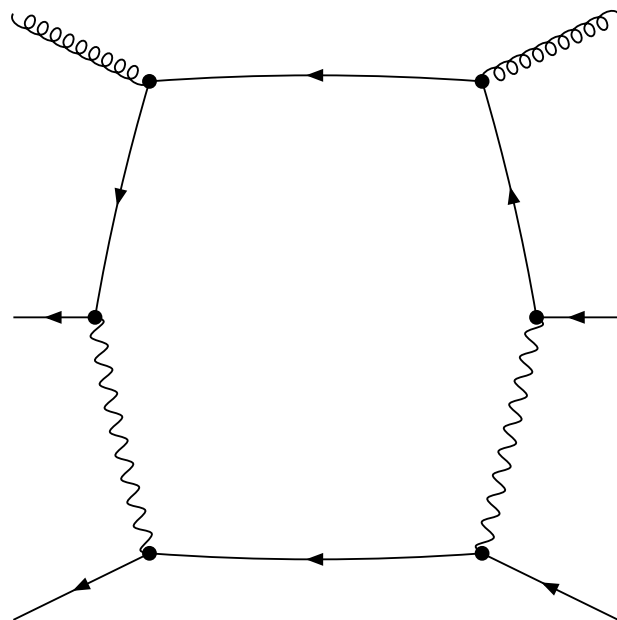
$$\text{prop}[0,k[3]]^{-1} \text{prop}[0,-p]^{-1} \text{prop}[0,-p-k[3]]^{-2} \text{prop}[0,-p-q-k[3]]^{-1}$$

Partial Fractioned Denominator:

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



final



embedding 10 [1, 2, 2, 1]

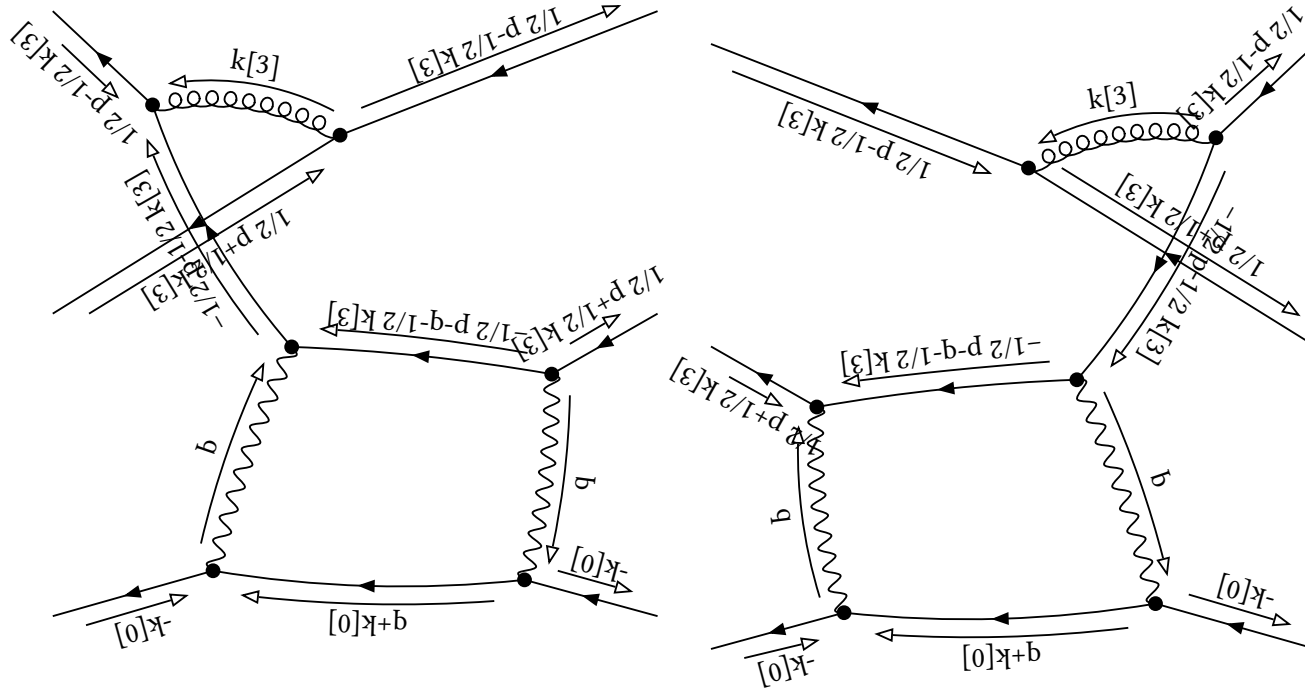
initial

Denominator:

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

Partial Fractioned Denominator:

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



final

