embedding 1 [1, −1, −2, −1]

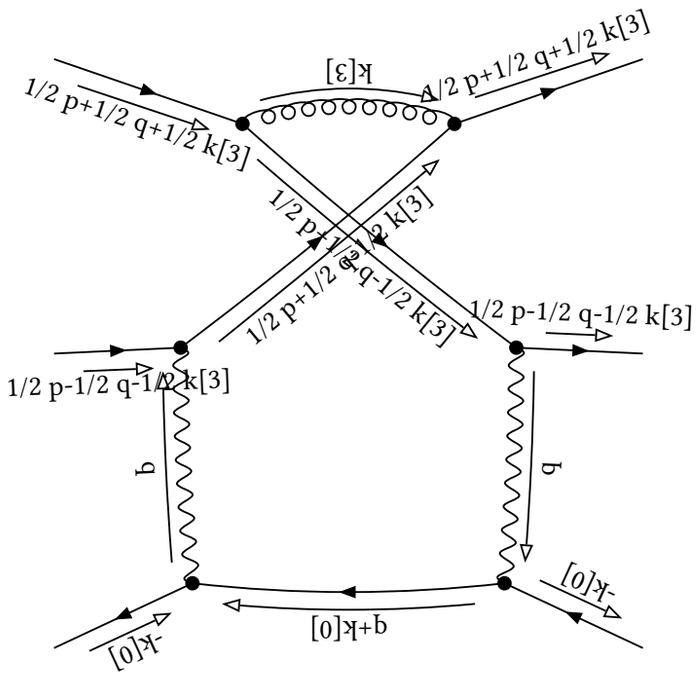
initial

Denominator:

```
prop[0,k[3]]^-1 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-2 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
```

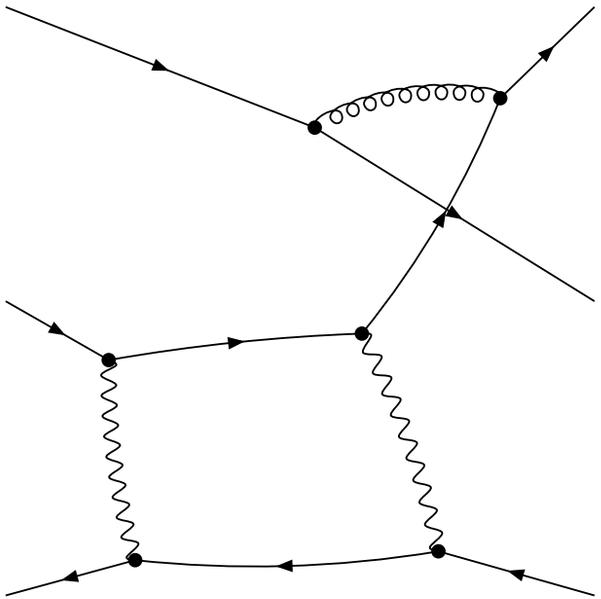
Partial Fractioned Denominator:

```
(1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-2 prop[0,k[3]]^-1 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
  +(1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-2 prop[0,k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-1 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
  -1/2 (1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-2 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-1 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
  +(1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-2 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
  -1/2 (1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-1 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-2 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
```

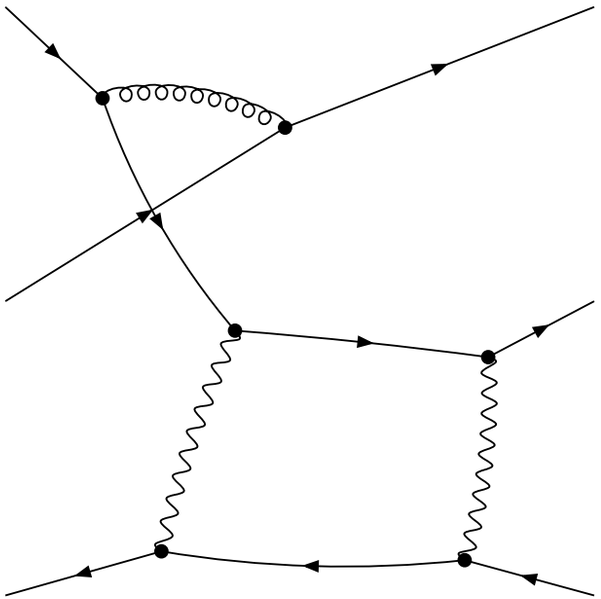


−3+9+17

final



−1+13+17



−1+11+17

embedding 2 [1, 0, −1, −1]

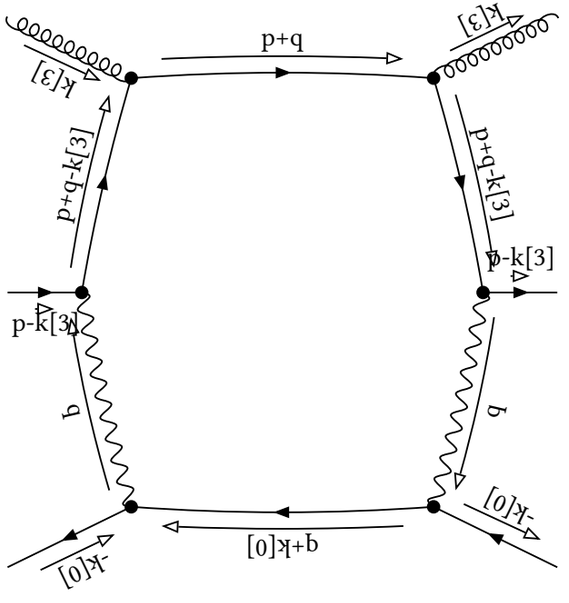
initial

Denominator:

```
prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,p-k[3]]^-1 prop[0,p+q-k[3]]^-2
```

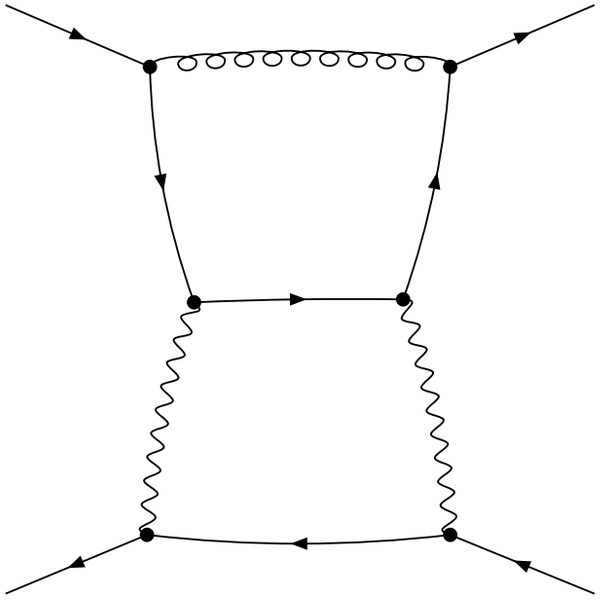
Partial Fractioned Denominator:

```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p+q-k[3]]^-2
```

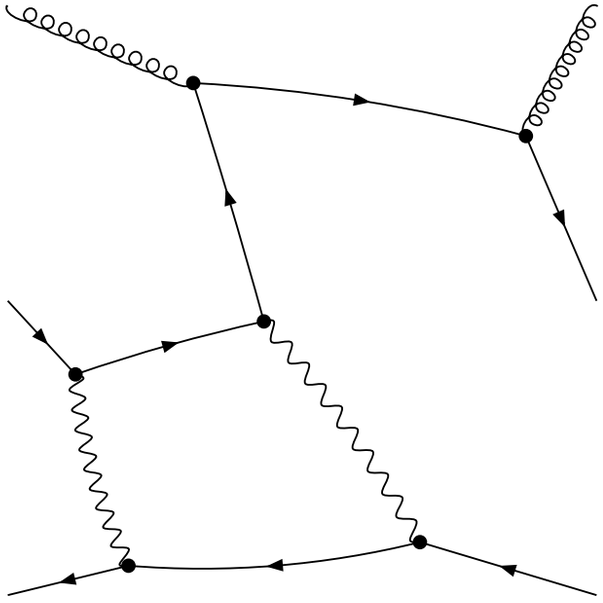


−3+9+14

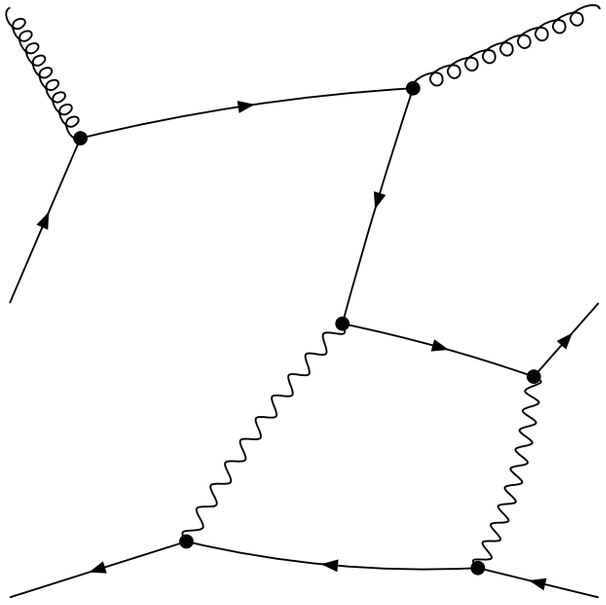
final



−1+17



−1+13+14



−1+11+14

embedding 3 [1, 0, −1, 0]

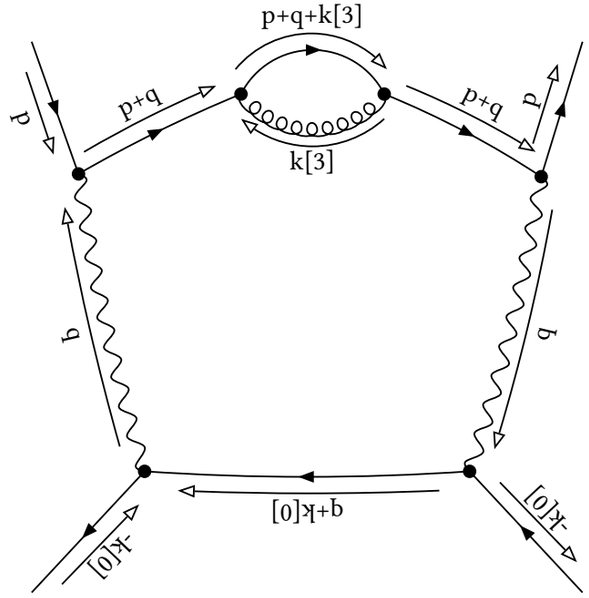
initial

Denominator:

```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+q]^-2 prop[0,p+q+k[3]]^-1
```

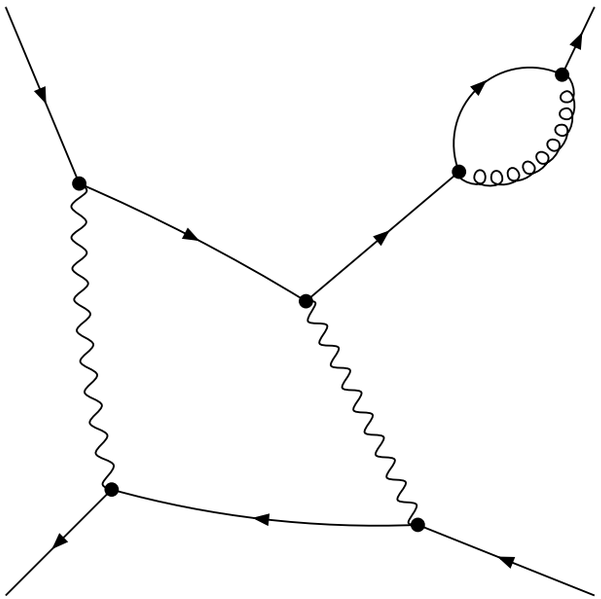
Partial Fractioned Denominator:

```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-2 prop[0,k[3]]^-1 prop[0,p+q+k[3]]^-1 dot[p,p]^-1
```

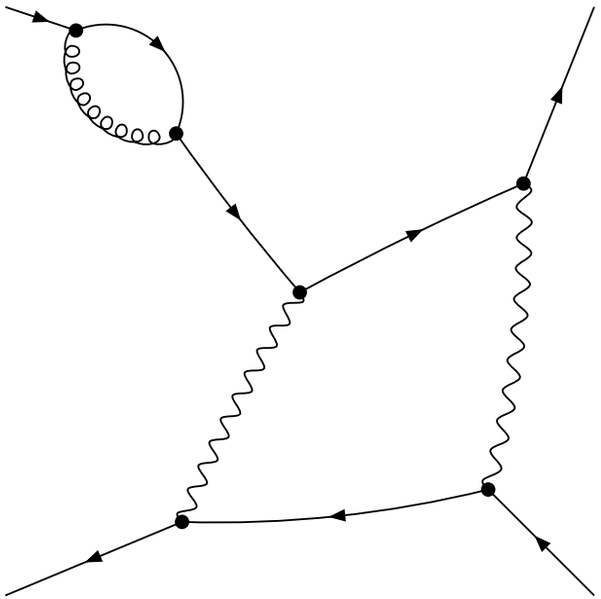


−3+9

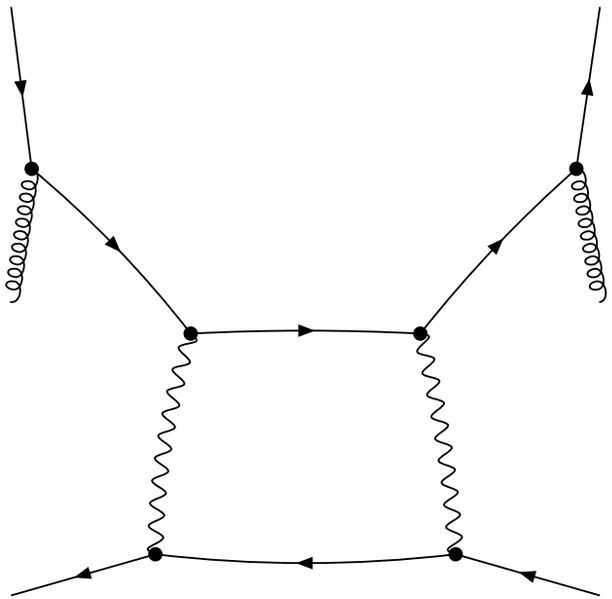
final



−1+13



−1+11



−1-14+17

embedding 4 [1, 0, −1, 1]

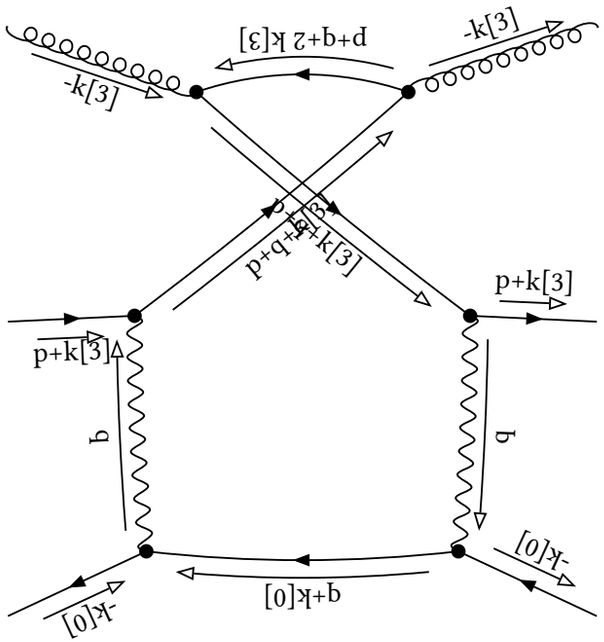
initial

Denominator:

```
prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-2 prop[0,p+q+2 k[3]]^-1
```

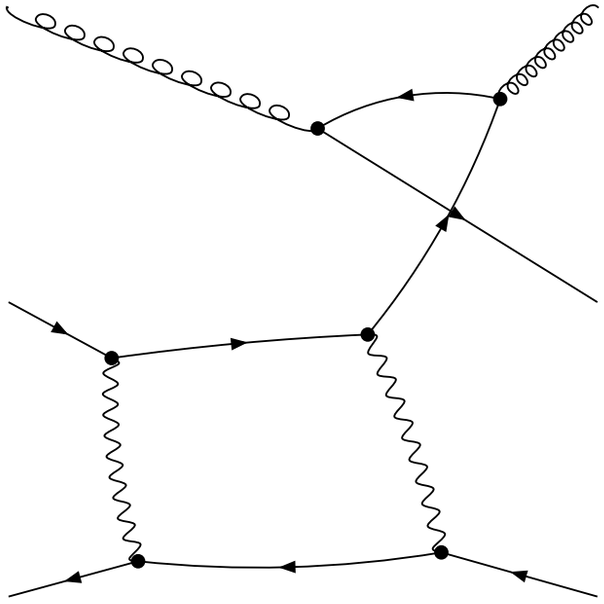
Partial Fractioned Denominator:

```
-2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-2 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-1
  +4 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-2 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
  +4 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-2 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-2
  -2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-2 prop[0,p+q+2 k[3]]^-1
```

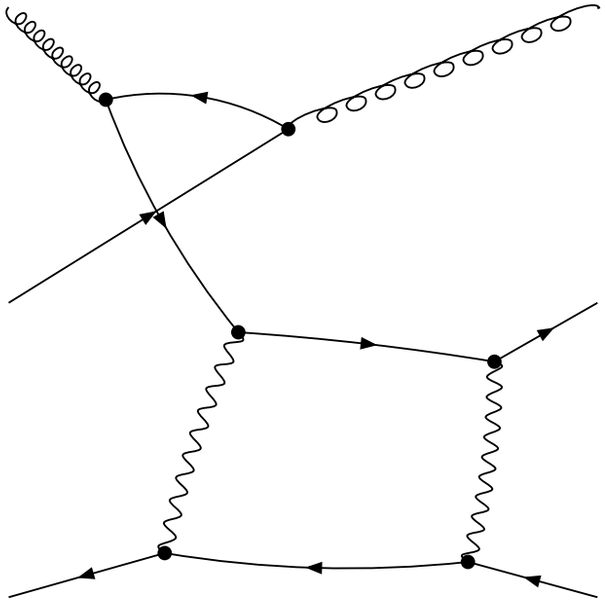


−3+9-14

final



−1+13-14



−1+11-14

embedding 5 [1, 0, 0, −1]

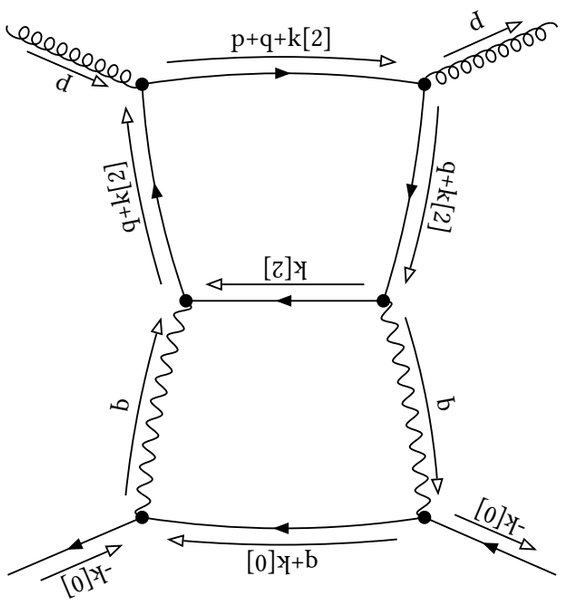
initial

Denominator:

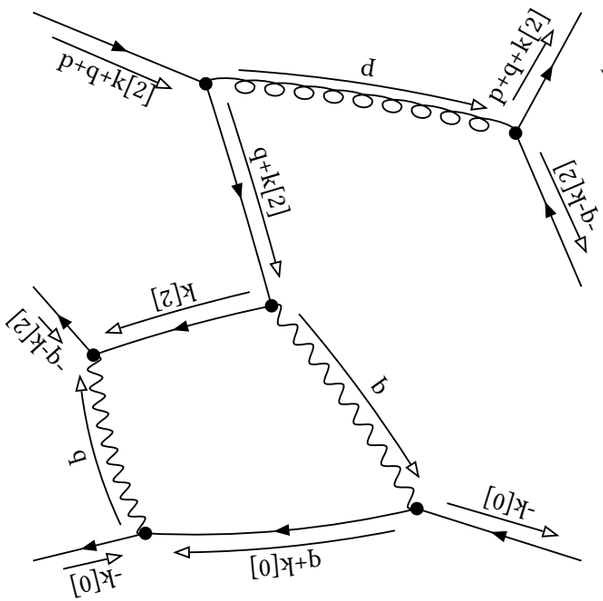
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-2 prop[0,p+q+k[2]]^-1
```

Partial Fractioned Denominator:

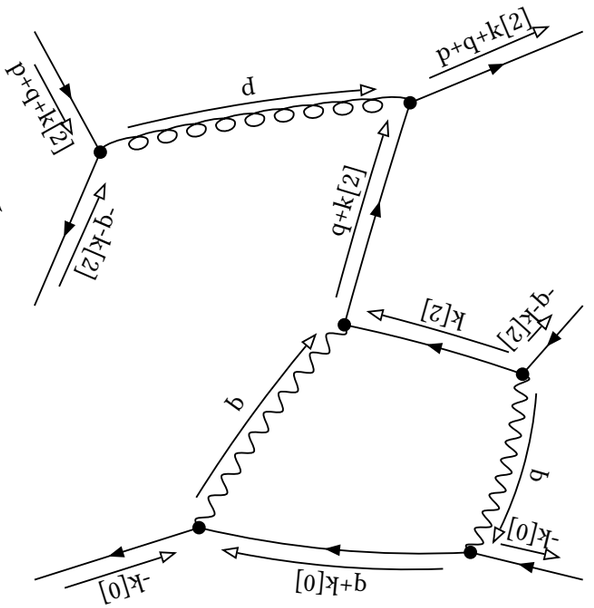
```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-2 prop[0,p+q+k[2]]^-1 dot[p,p]^-1
```



−3+14

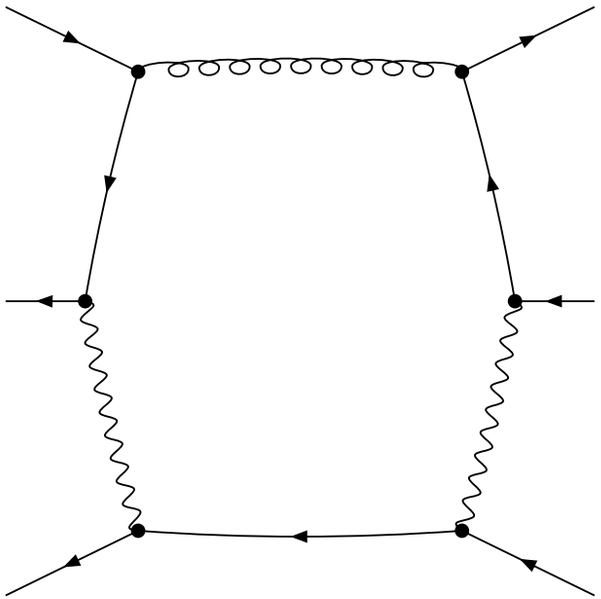


−3-11+17



−3-13+17

final



−1-9+17

embedding 6 [1, 1, 0, 1]

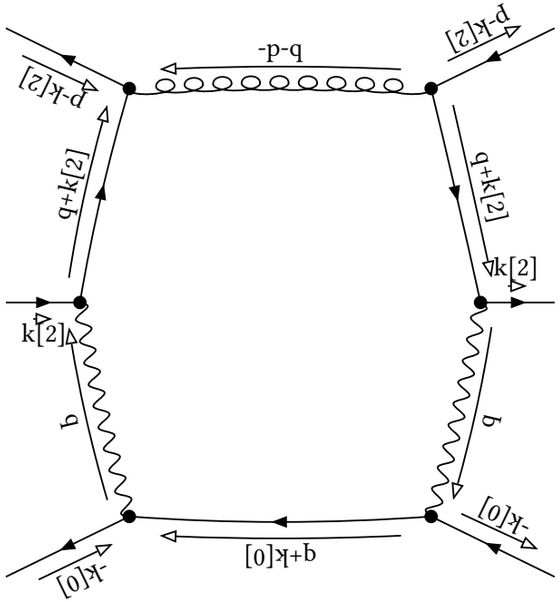
initial

Denominator:

```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-2 prop[0,-p+k[2]]^-1 prop[0,-p-q]^-1
```

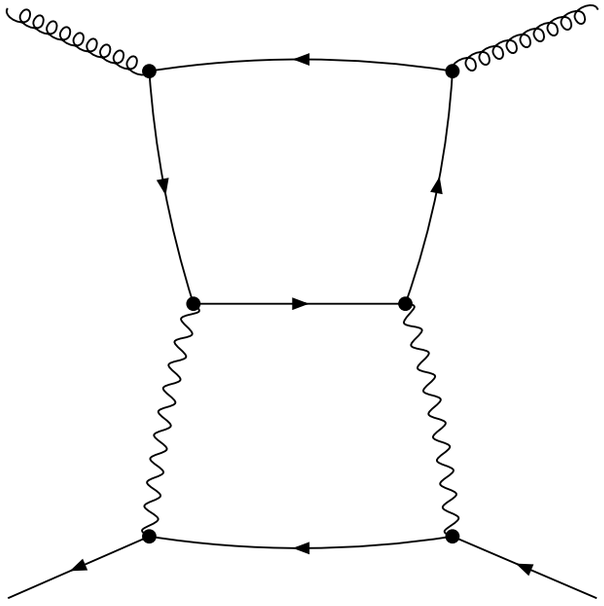
Partial Fractioned Denominator:

```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-2 prop[0,-p+k[2]]^-1
```

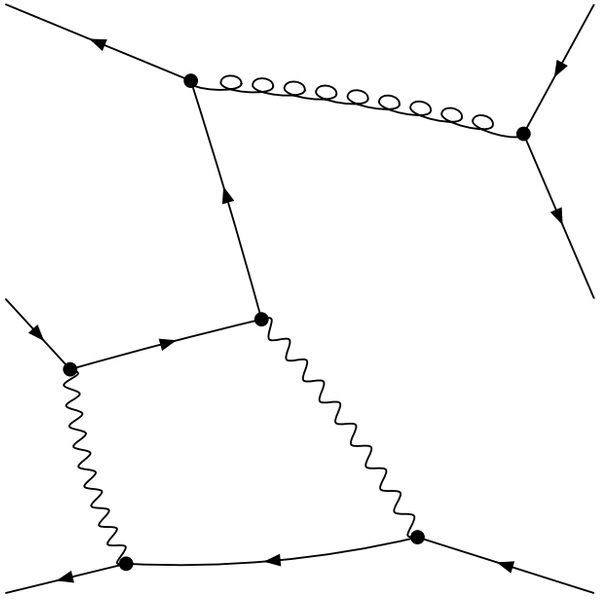


−3+9-17

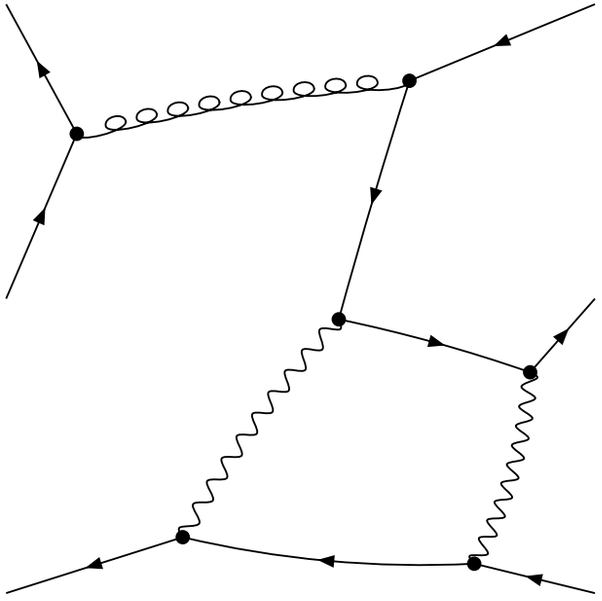
final



−1-14



−1+13-17



−1+11-17

embedding 7 [1, 1, 1, −1]

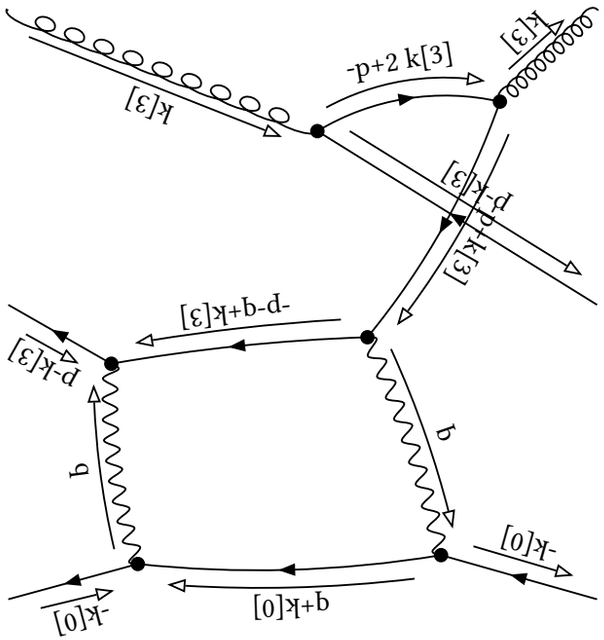
initial

Denominator:

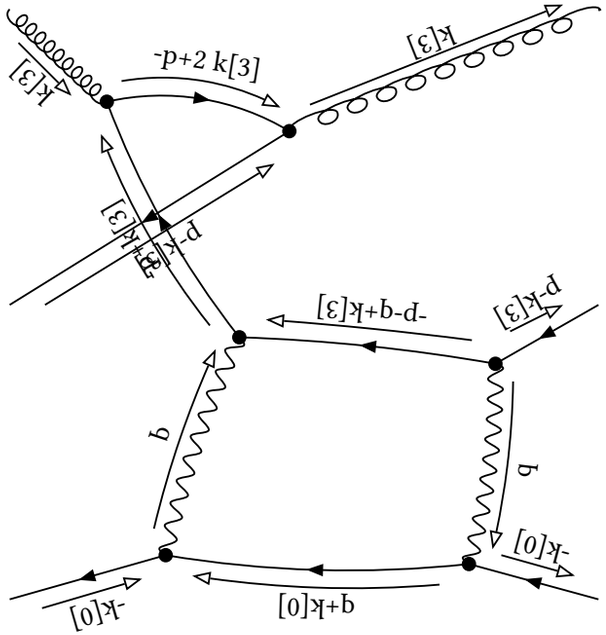
```
prop[0,k[3]]^-1 prop[0,-p+k[3]]^-2 prop[0,-p+2 k[3]]^-1 prop[0,-p-q+k[3]]^-1
```

Partial Fractioned Denominator:

```
-prop[0,k[3]]^-1 prop[0,-p+k[3]]^-2 prop[0,-p-q+k[3]]^-1 dot[p,p]^-1
  -2 prop[0,k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p-q+k[3]]^-1 dot[p,p]^-2
  +4 prop[0,k[3]]^-1 prop[0,-p+2 k[3]]^-1 prop[0,-p-q+k[3]]^-1 dot[p,p]^-2
  +2 prop[0,-p+k[3]]^-2 prop[0,-p+2 k[3]]^-1 prop[0,-p-q+k[3]]^-1 dot[p,p]^-1
  +4 prop[0,-p+k[3]]^-1 prop[0,-p+2 k[3]]^-1 prop[0,-p-q+k[3]]^-1 dot[p,p]^-2
```

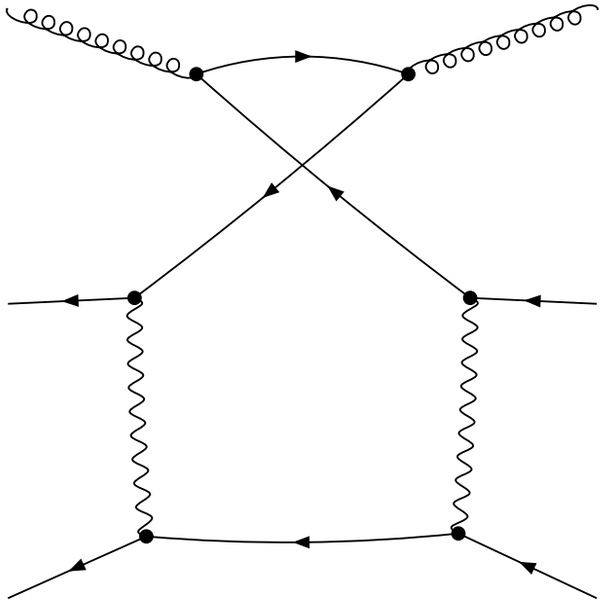


−3-11+14



−3-13+14

final



−1-9+14

embedding 8 [1, 1, 1, 0]

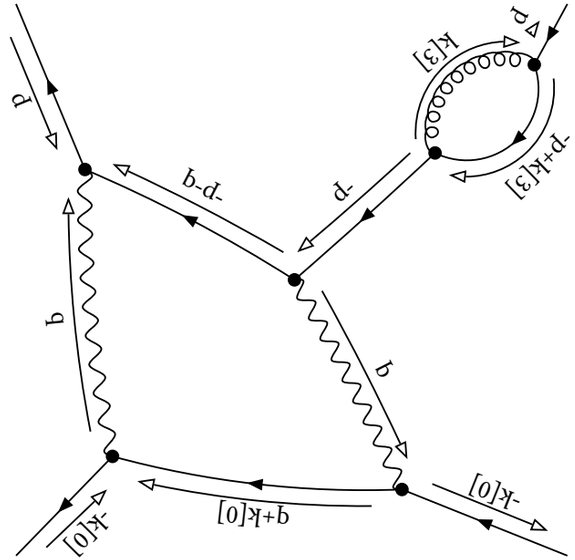
initial

Denominator:

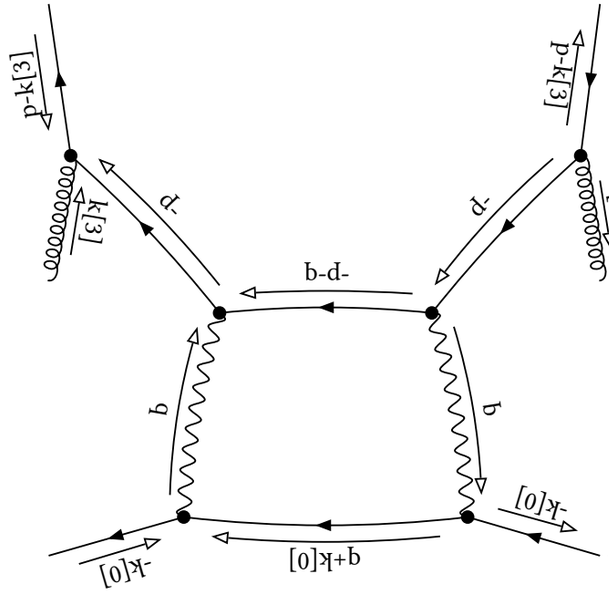
```
prop[0,k[3]]^-1 prop[0,-p]^-2 prop[0,-p+k[3]]^-1 prop[0,-p-q]^-1
```

Partial Fractioned Denominator:

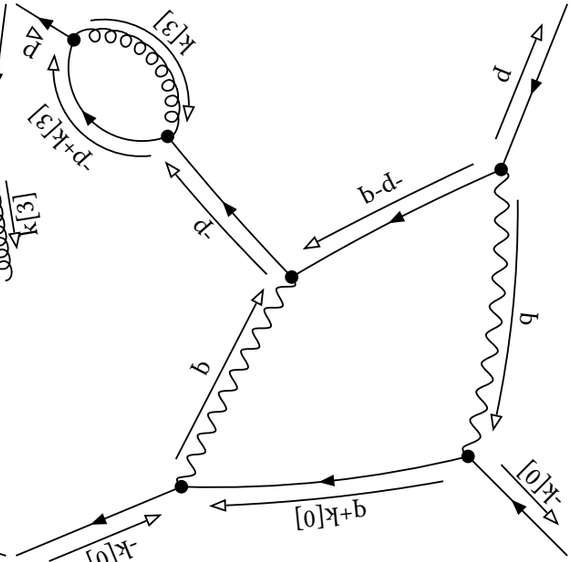
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,-p+k[3]]^-1 dot[p,p]^-2
```



−3-11

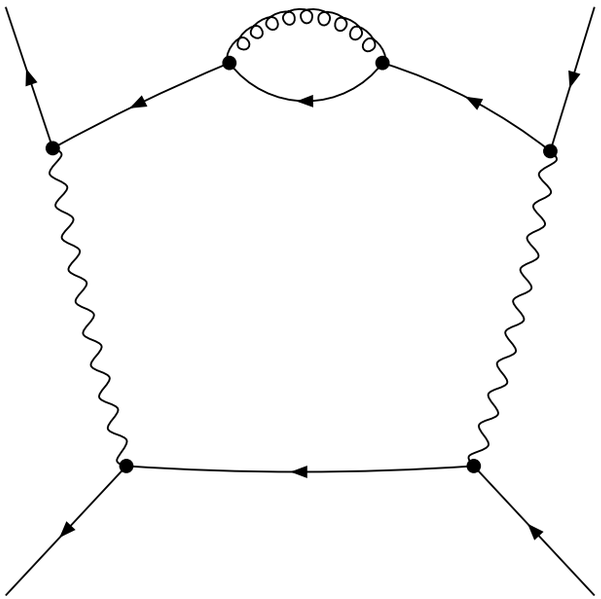


−3+14-17



−3-13

final



embedding 9 [1, 1, 1, 1]

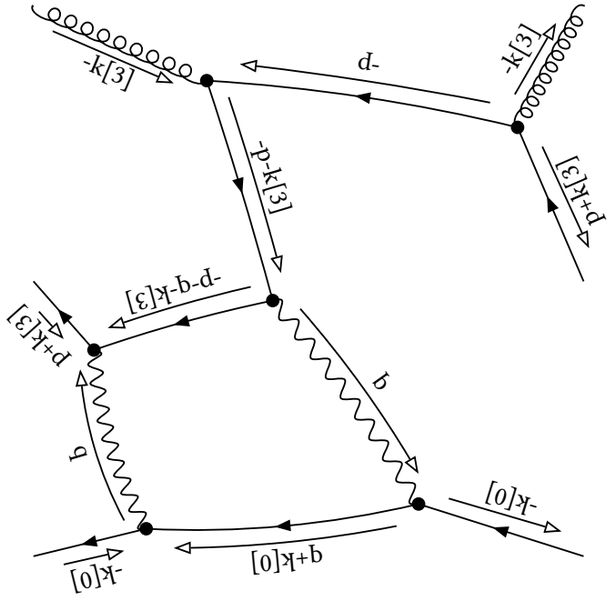
initial

Denominator:

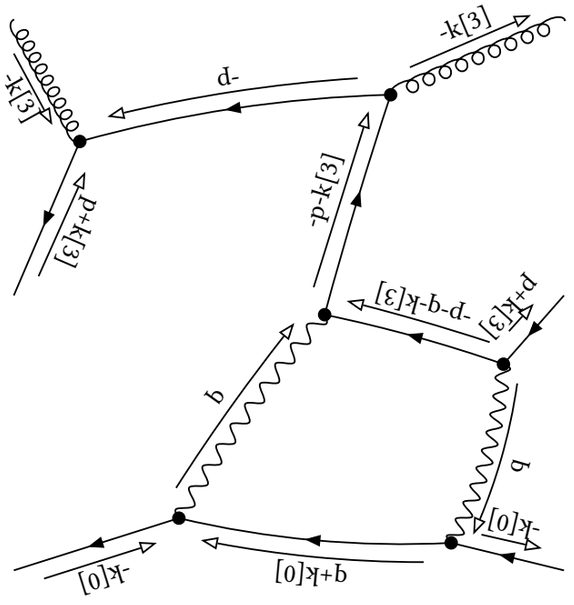
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,-p-k[3]]^-2 prop[0,-p-q-k[3]]^-1
```

Partial Fractioned Denominator:

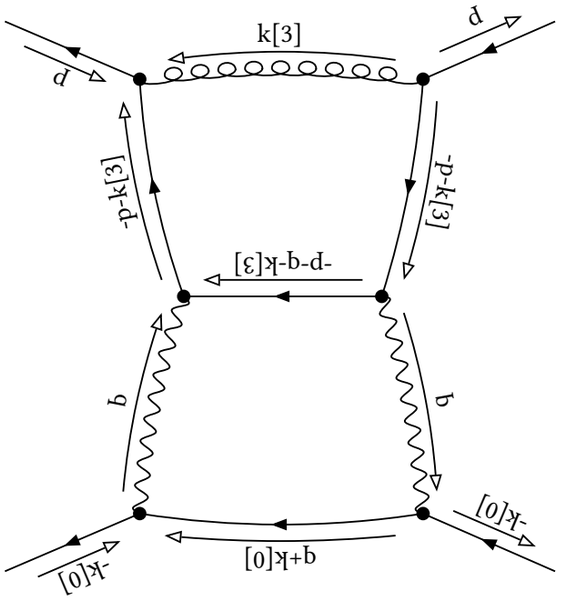
```
prop[0,k[3]]^-1 prop[0,-p-k[3]]^-2 prop[0,-p-q-k[3]]^-1 dot[p,p]^-1
```



–3-11-14

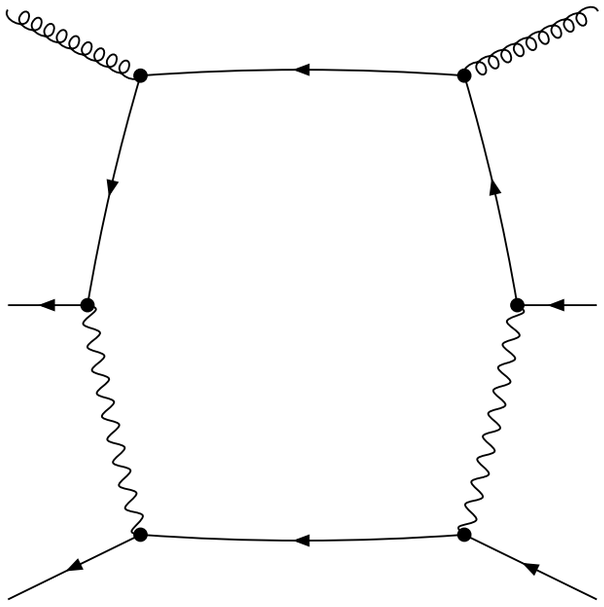


–3-13-14



–3-17

final



–1-9-14

embedding 10 [1, 2, 2, 1]

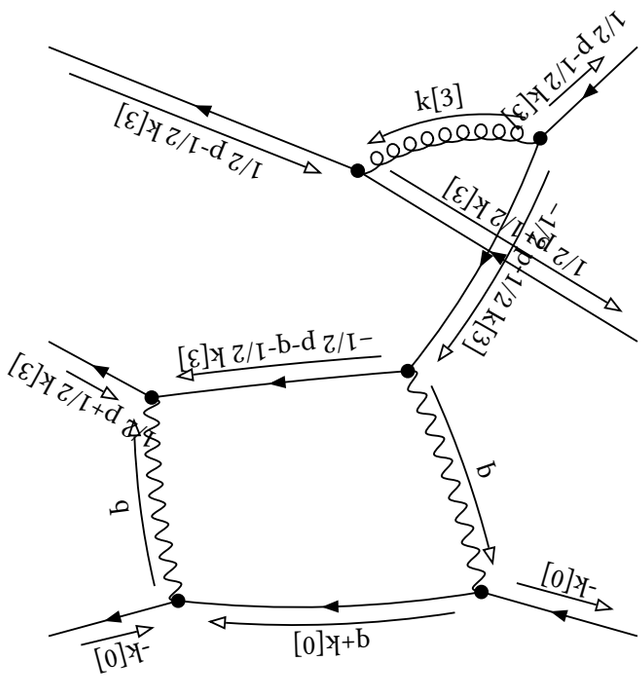
initial

Denominator:

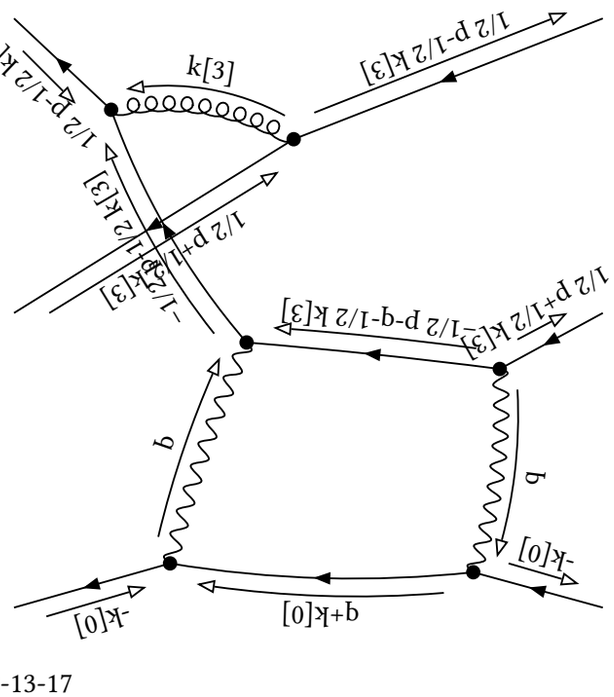
```
prop[0,k[3]]^-1 prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-2 prop[0,-1/2 p-q-1/2 k[3]]^-1
```

Partial Fractioned Denominator:

```
4 prop[0,k[3]]^-1 prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-q-1/2 k[3]]^-1 dot[p,p]^-2
  +2 prop[0,k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-2 prop[0,-1/2 p-q-1/2 k[3]]^-1 dot[p,p]^-1
  +4 prop[0,k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-1 prop[0,-1/2 p-q-1/2 k[3]]^-1 dot[p,p]^-2
  -prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-2 prop[0,-1/2 p-q-1/2 k[3]]^-1 dot[p,p]^-1
  -2 prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-1 prop[0,-1/2 p-q-1/2 k[3]]^-1 dot[p,p]^-2
```



−3-11-17



−3-13-17

final