embedding 1 [1, −1, −2, −1]

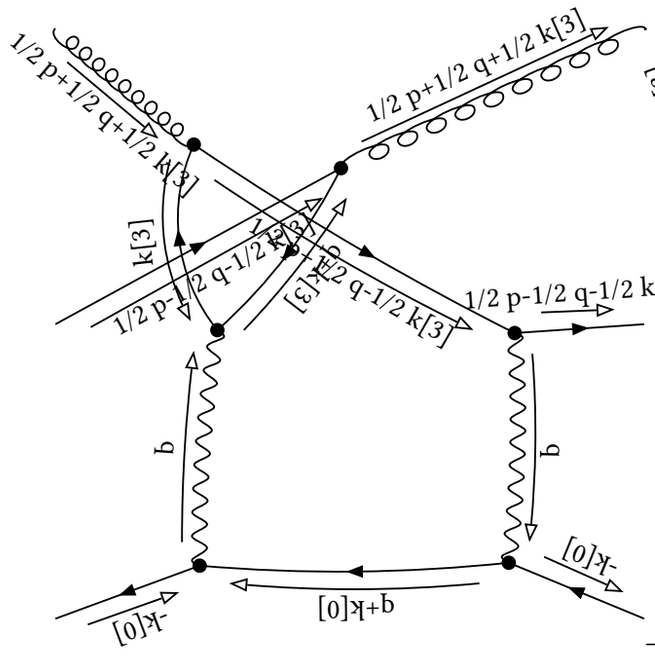
initial

Denominator:

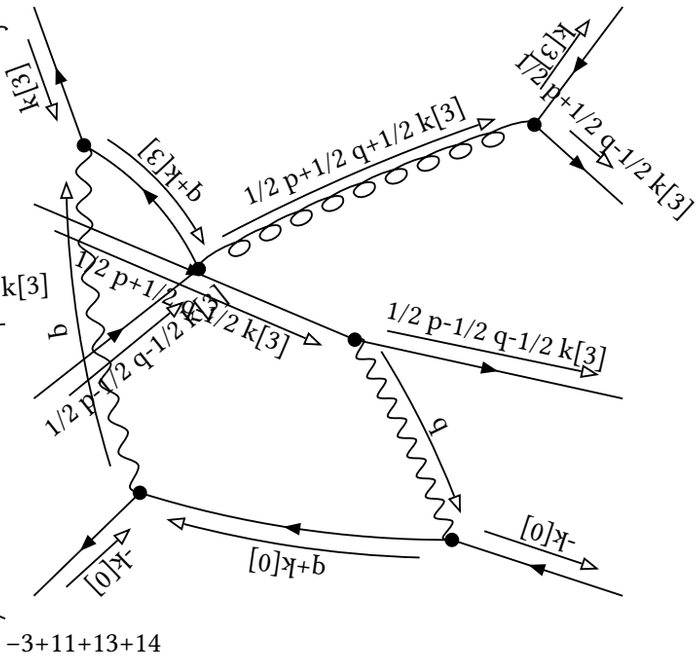
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-1 prop[0,1/2 p-1/2 q-1/2 k[3]]^-1
```

Partial Fractioned Denominator:

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



−3+11+17

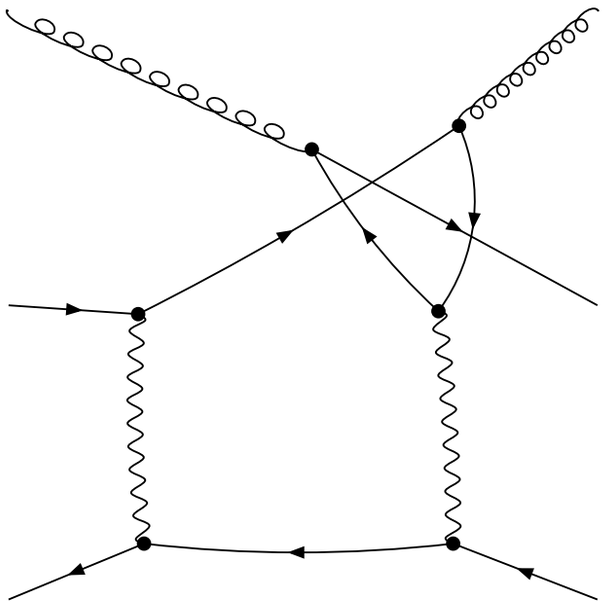


−3+11+13+14

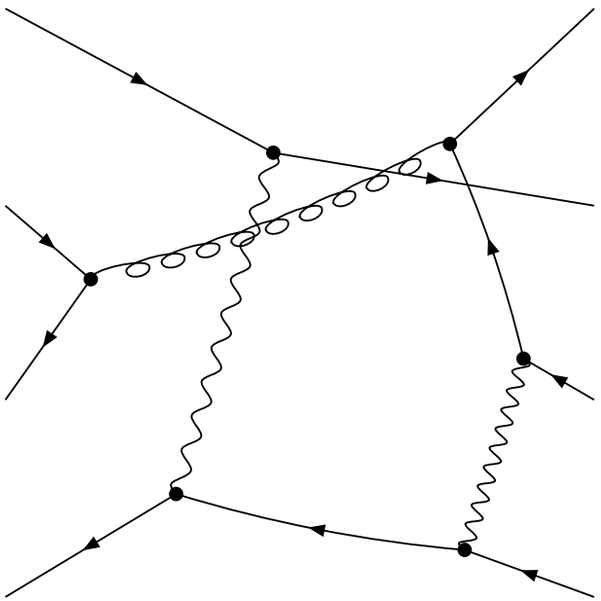
final

Denominator:

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



−1+13+17



−1+8+11+13

embedding 2 [1, −1, −1, −2]

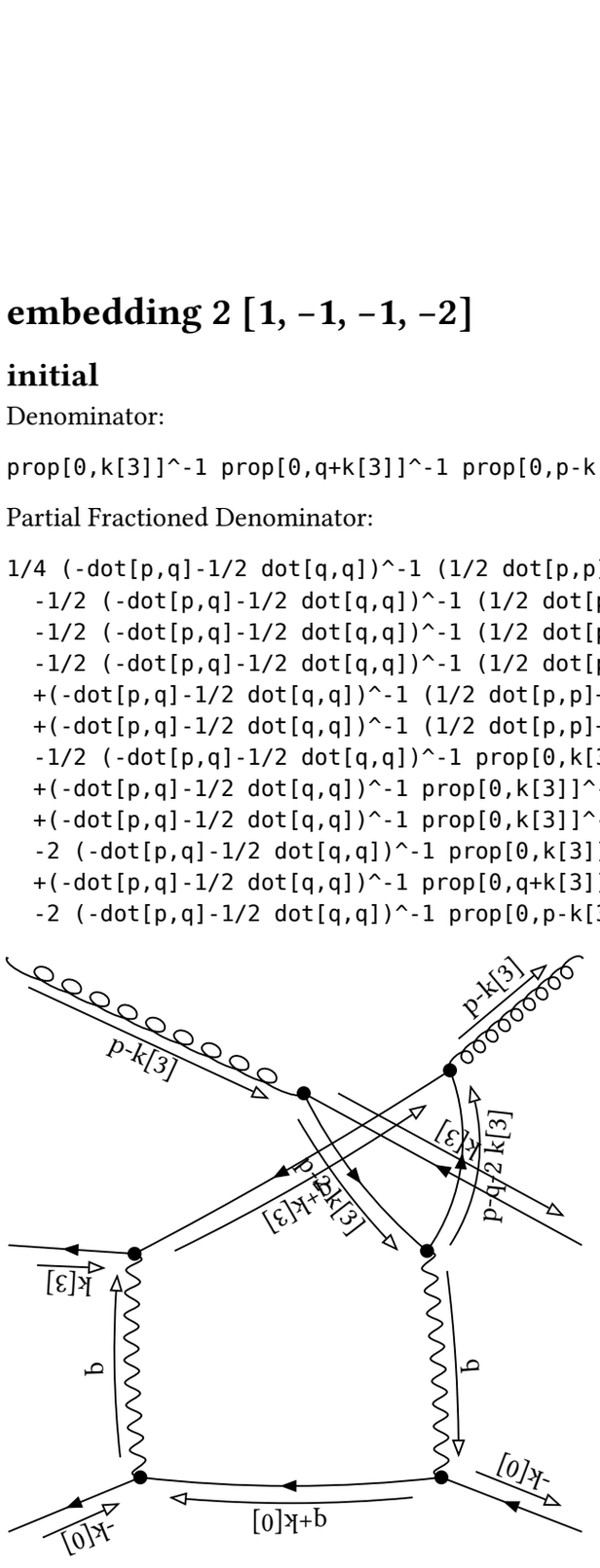
initial

Denominator:

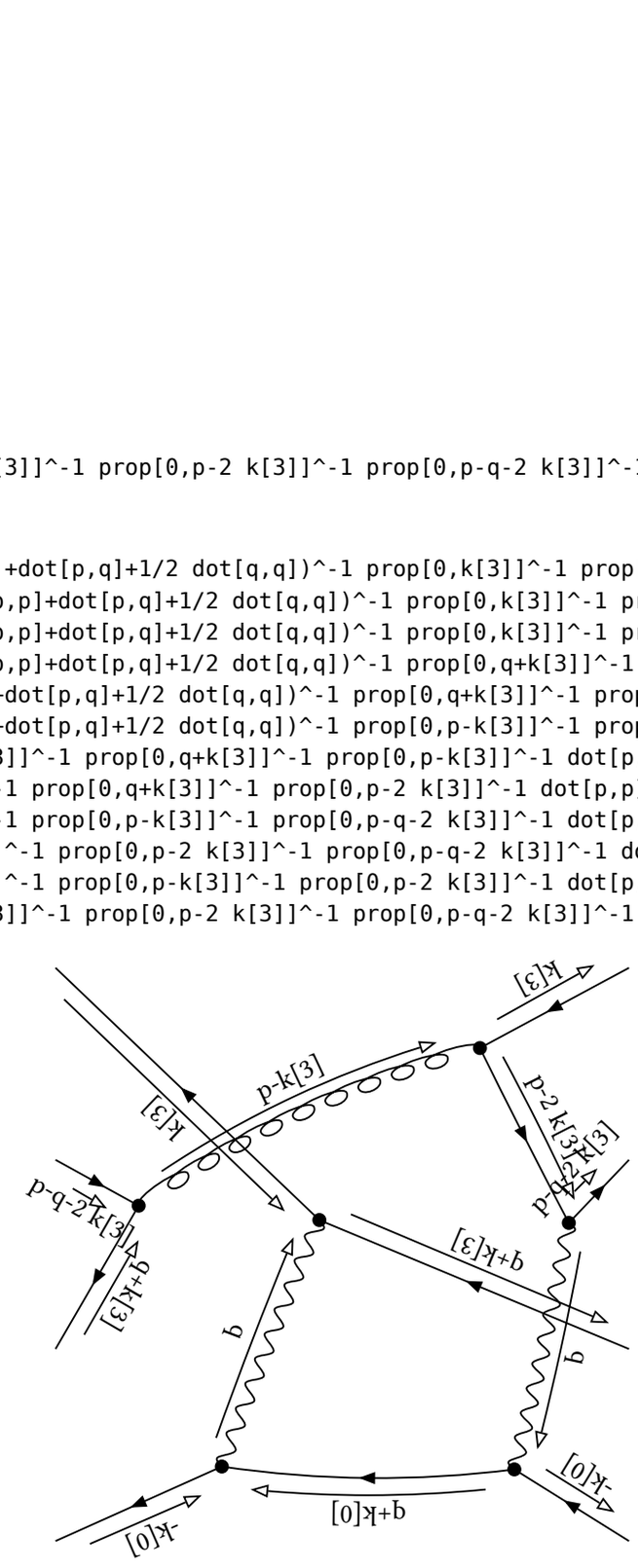
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-2 k[3]]^-1 prop[0,p-q-2 k[3]]^-1
```

Partial Fractioned Denominator:

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



−3+14+17

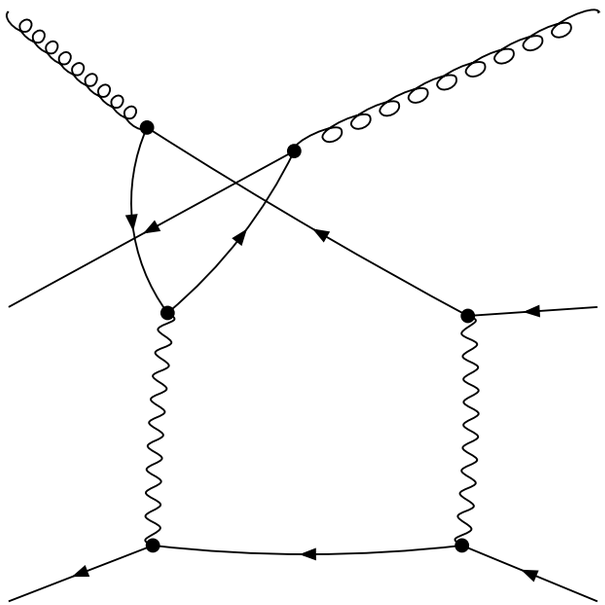


−3+8+11+14

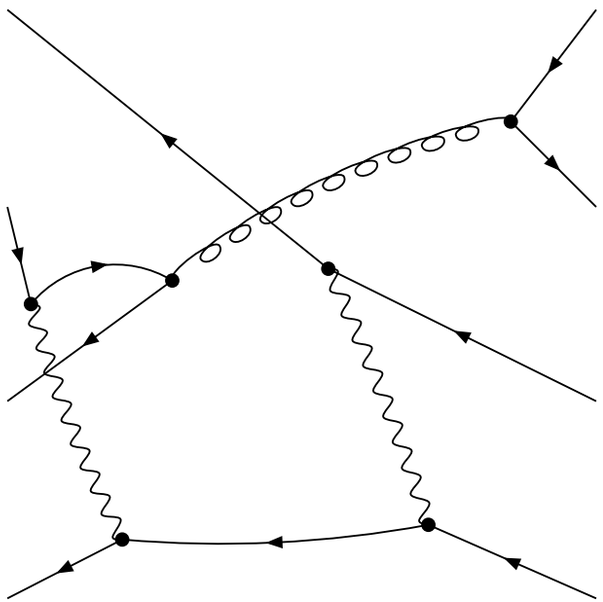
final

Denominator:

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



−1+8+17



−1+8+13+14

embedding 3 [1, −1, −1, −1]

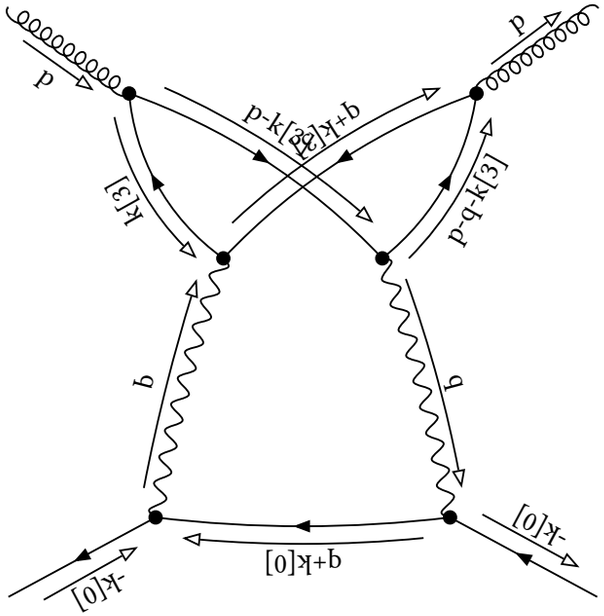
initial

Denominator:

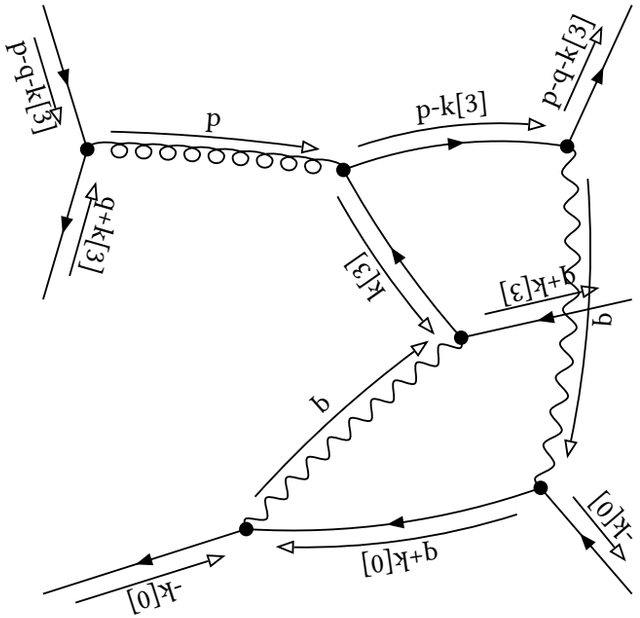
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1
```

Partial Fractioned Denominator:

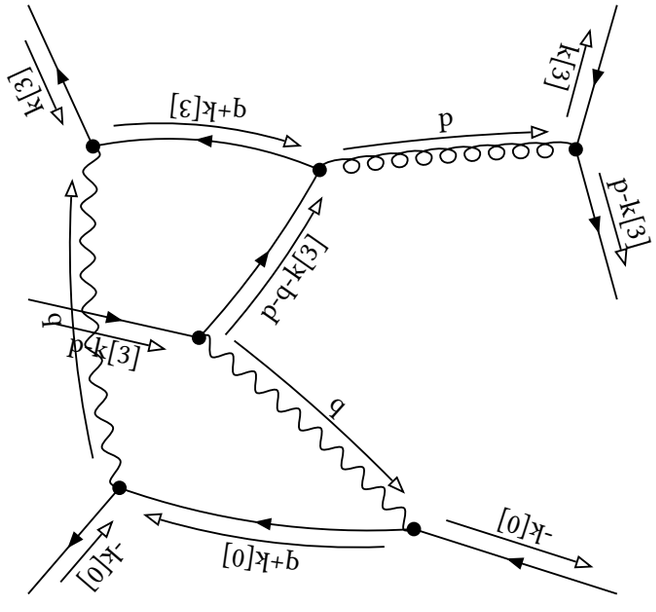
```
-1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1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



−3+17



−3+8+11

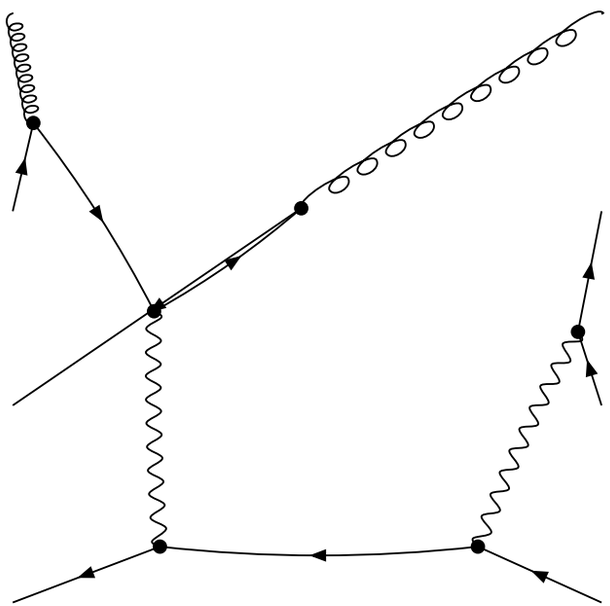


−3+13+14

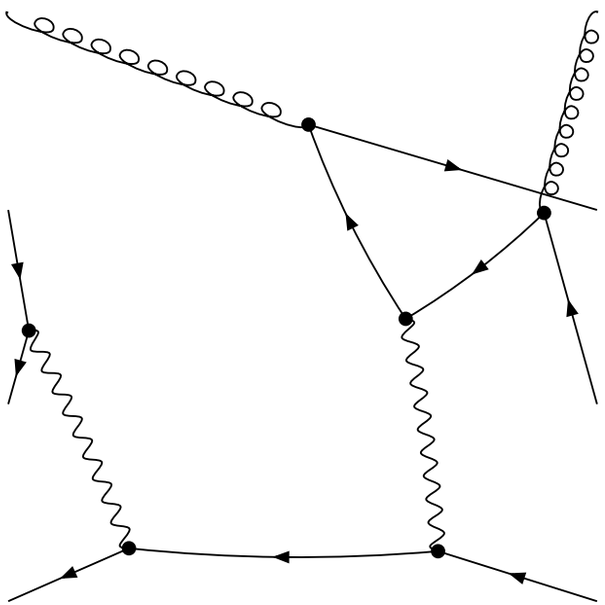
final

Denominator:

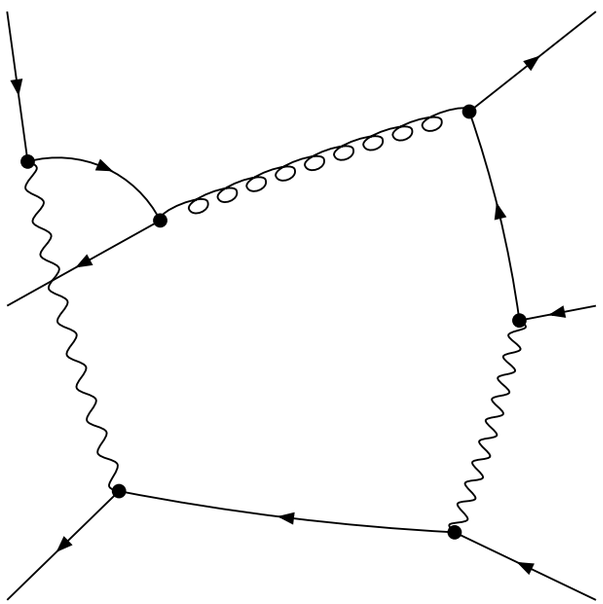
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1 prop[0,p-q-k[3]]^-1 prop[0,p-2 q-k[3]]^-1
```



−1+8-14+17



−1-11+13+17



−1+8+13

embedding 4 [1, −1, −1, 0]

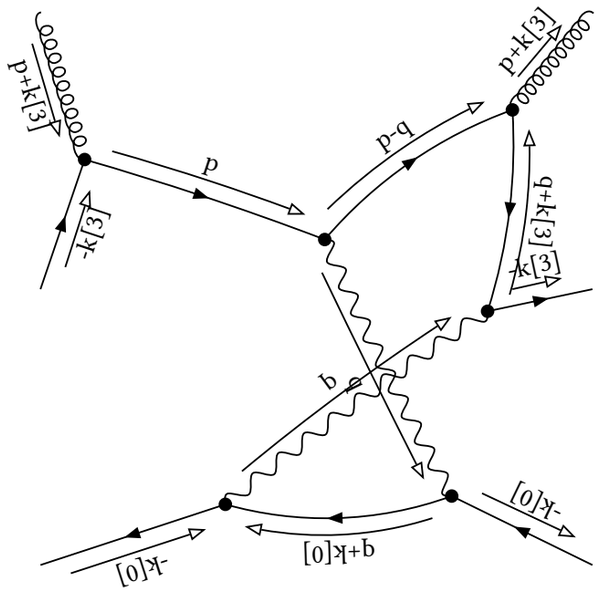
initial

Denominator:

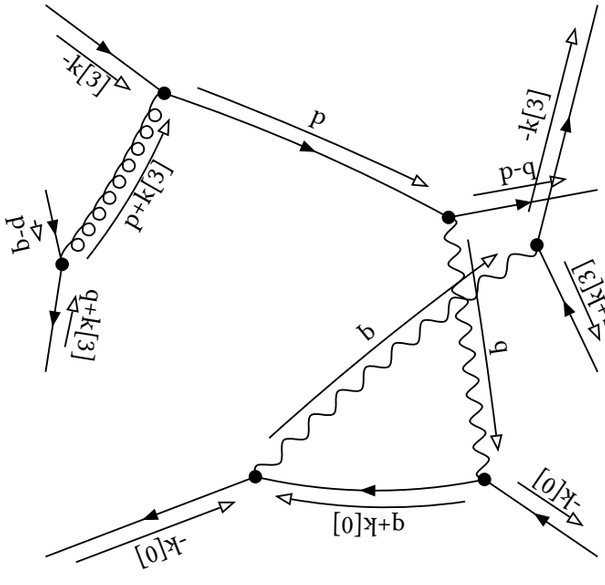
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1
```

Partial Fractioned Denominator:

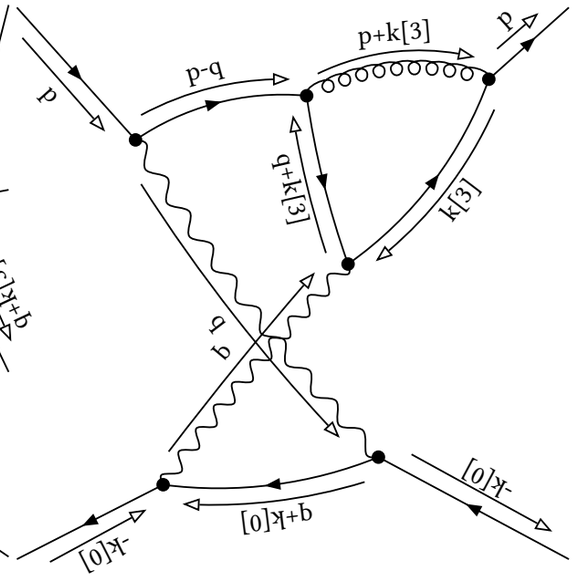
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 dot[p,p]^-1
```



−3-14+17



−3+8+11-14

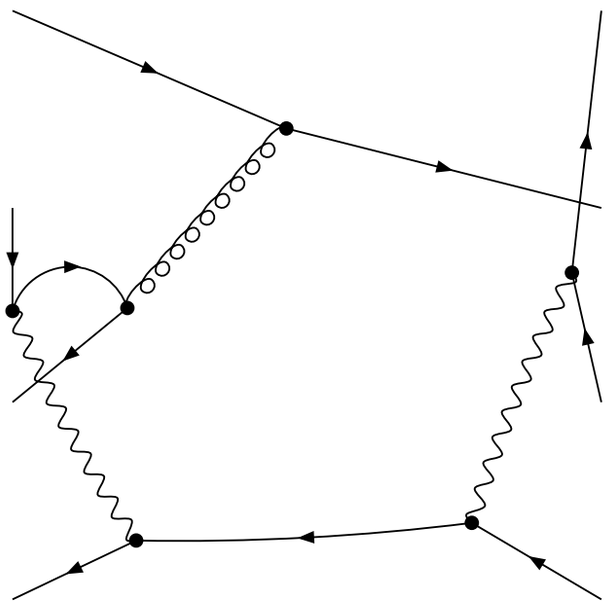


−3+13

final

Denominator:

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



−1+8+13-14

embedding 5 [1, −1, 0, −1]

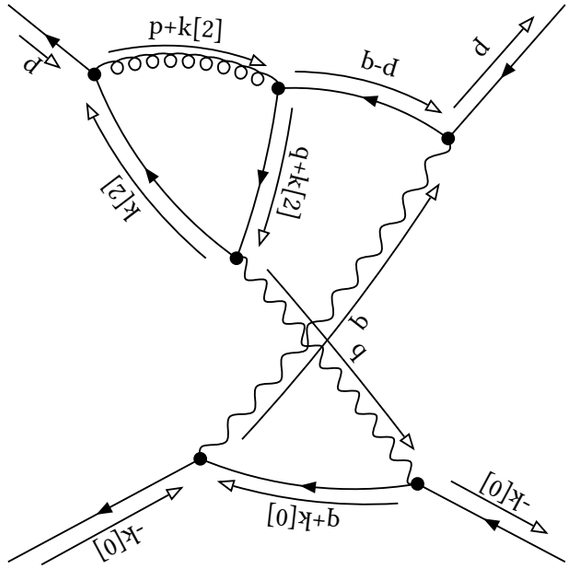
initial

Denominator:

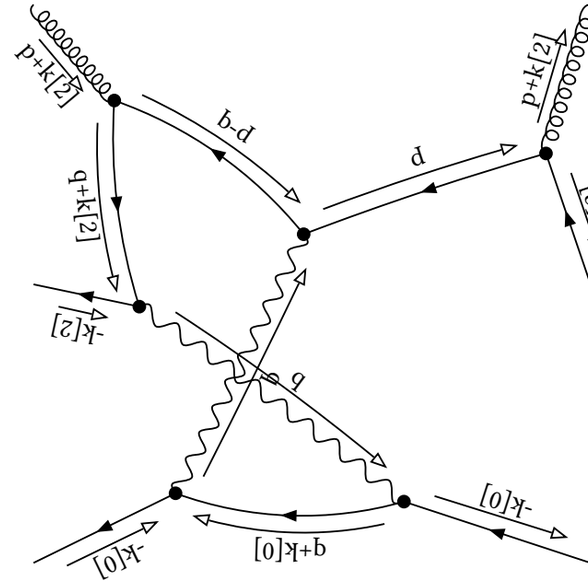
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,p-q]^-1
```

Partial Fractioned Denominator:

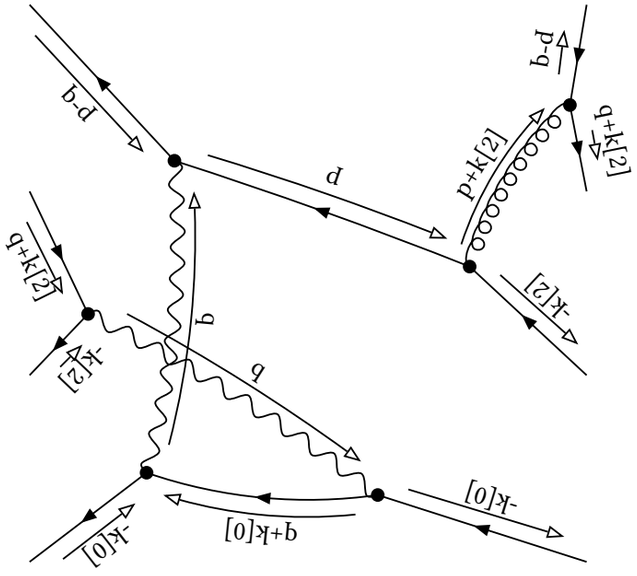
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 dot[p,p]^-1
```



−3+8



−3-11+17

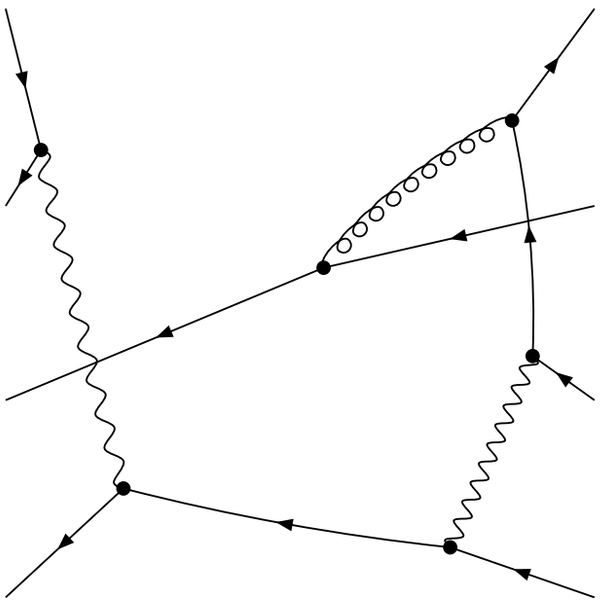


−3-11+13+14

final

Denominator:

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



−1+8-11+13

embedding 6 [1, 0, –2, 1]

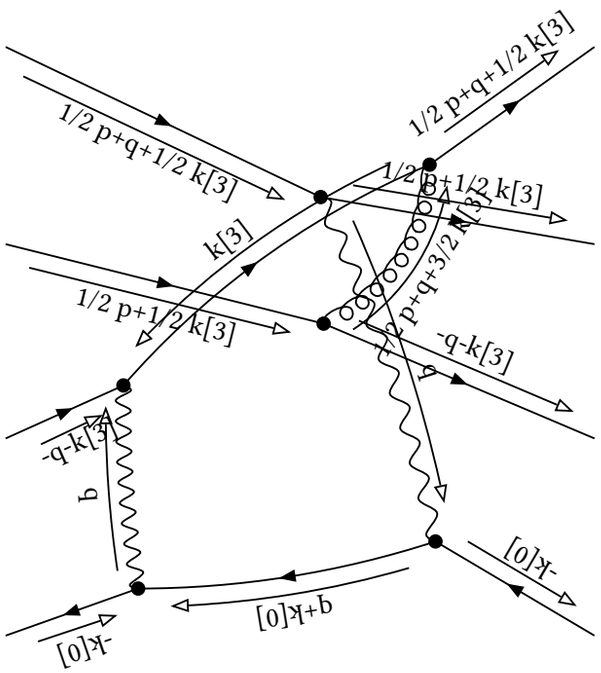
initial

Denominator:

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

Partial Fractioned Denominator:

```
-2 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1
  +6 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+q+3/2 k[3]]^-1
  -(2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 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
  +3 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,1/2 p+1/2 k[3]]^-1 prop[0,1/2 p+q+3/2 k[3]]^-1
  +3 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1 prop[0,1/2 p+q+3/2
k[3]]^-1
  +3/2 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,1/2 p+1/2 k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1 prop[0,1/2
p+q+3/2 k[3]]^-1
  +2 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 k[3]]^-1
  -6 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+q+3/2 k[3]]^-1
  -3 (2 dot[p,q]+dot[q,q])^-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 k[3]]^-1 prop[0,1/2 p+q+3/2 k[3]]^-1
  +(2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1
  -3 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1 prop[0,1/2 p+q+3/2
k[3]]^-1
  -3/2 (2 dot[p,q]+dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,1/2 p+1/2 k[3]]^-1 prop[0,1/2 p+q+1/2 k[3]]^-1 prop[0,1/2
p+q+3/2 k[3]]^-1
```

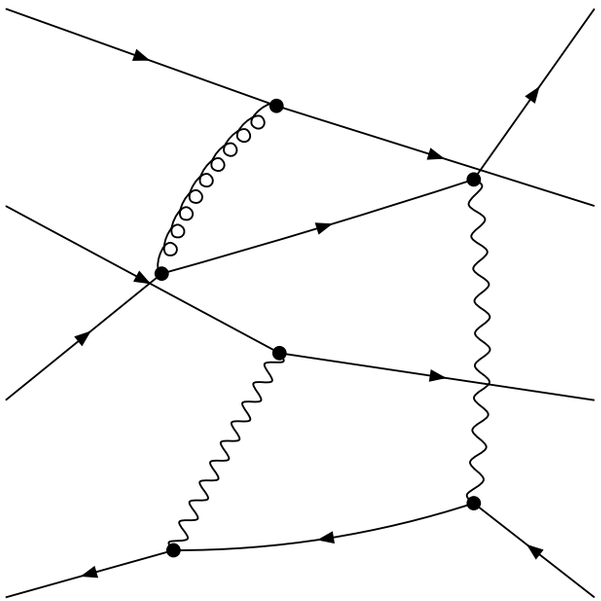


−3-8+11+13

final

Denominator:

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



−1+11+13-14

embedding 7 [1, 0, −1, −1]

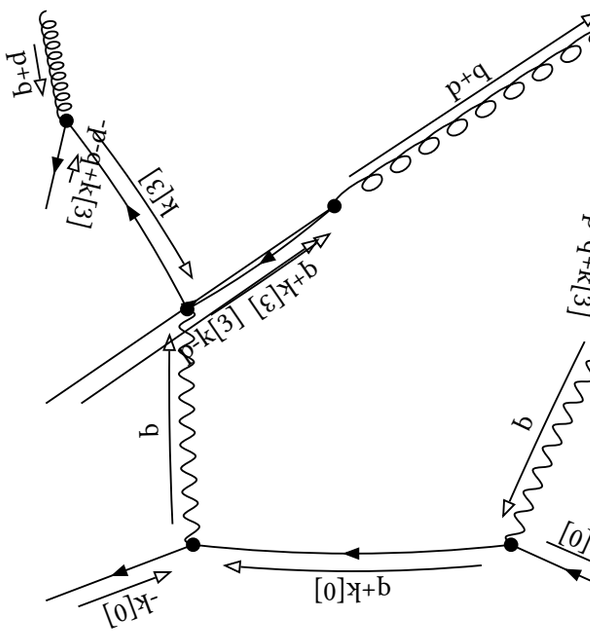
initial

Denominator:

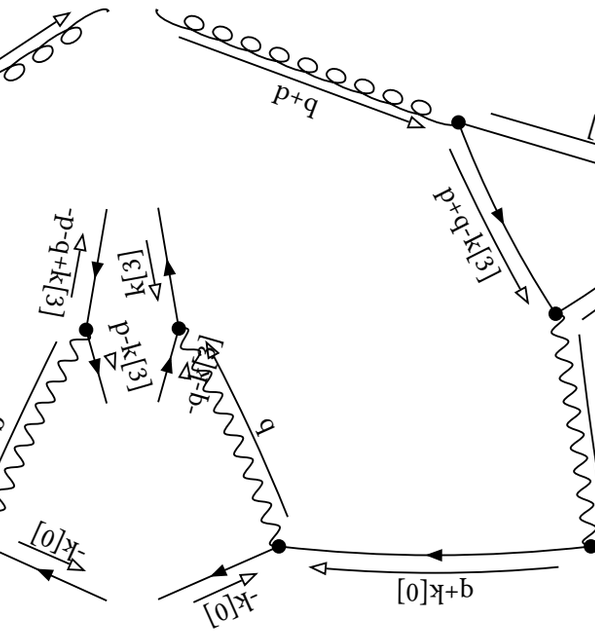
```
prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p+q-k[3]]^-1
```

Partial Fractioned Denominator:

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

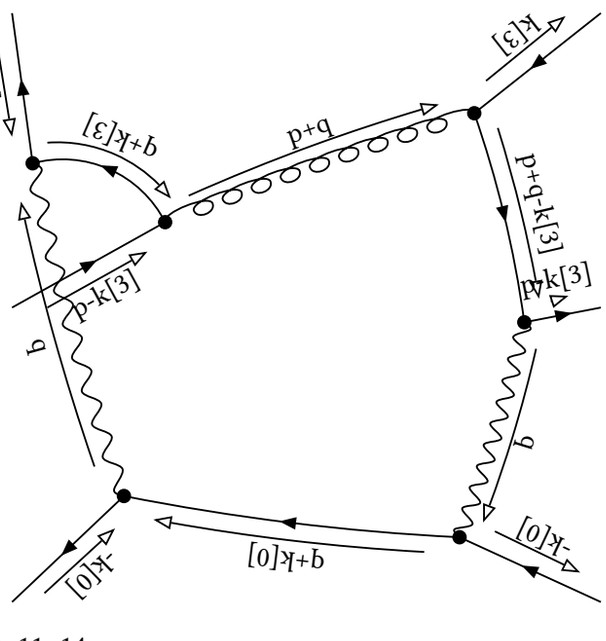


−3+11-13+17



−3-8+14+17

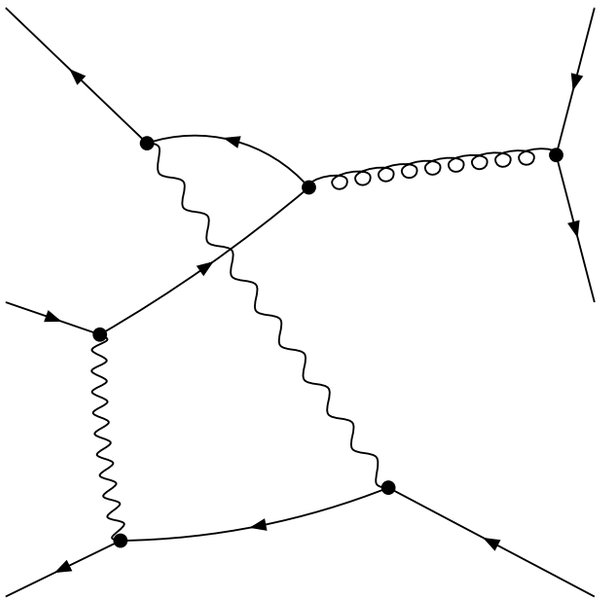
−3+11+14



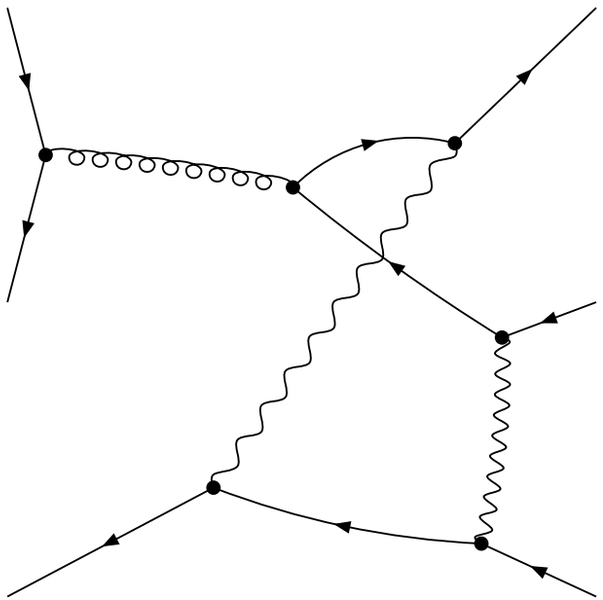
final

Denominator:

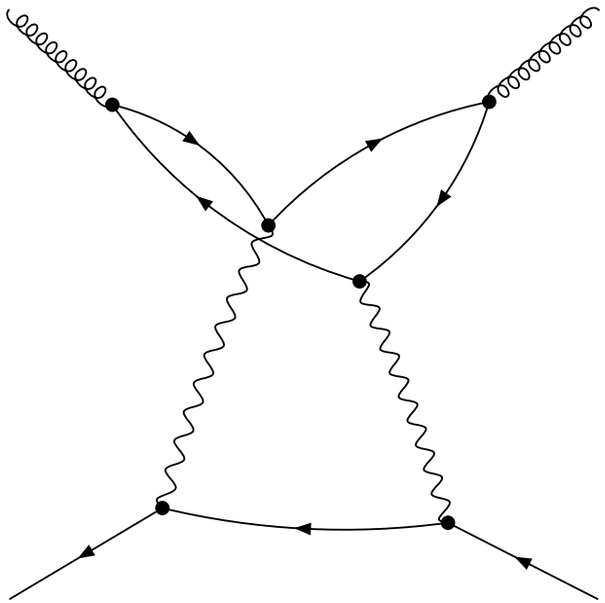
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1
```



−1+13+14



−1+8+11



−1+17

embedding 8 [1, 0, −1, 0]

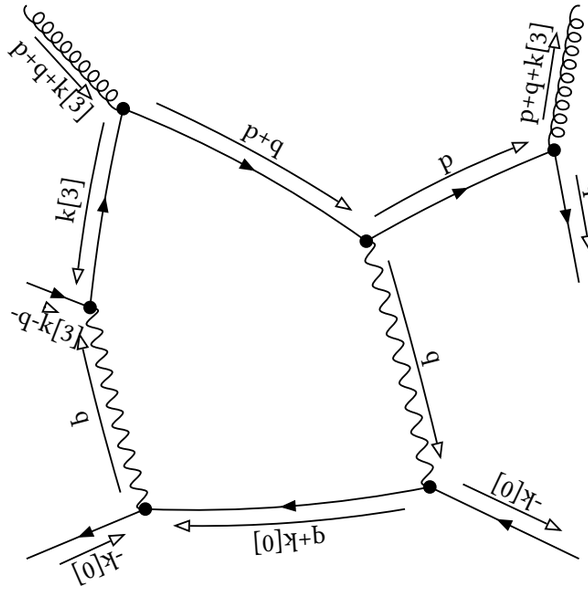
initial

Denominator:

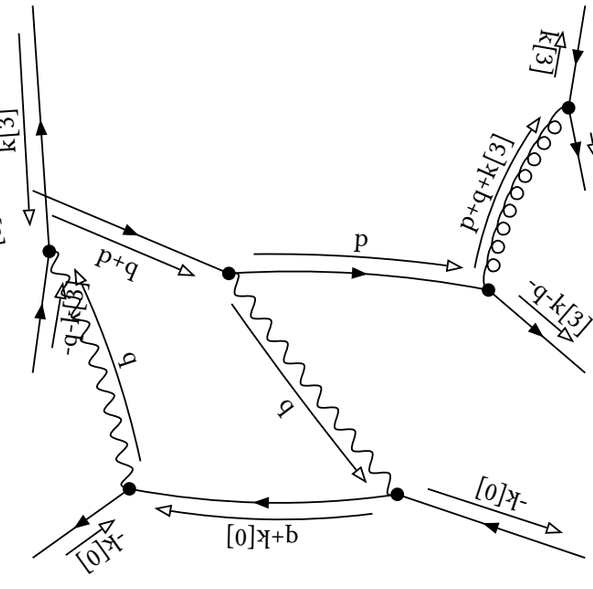
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1
```

Partial Fractioned Denominator:

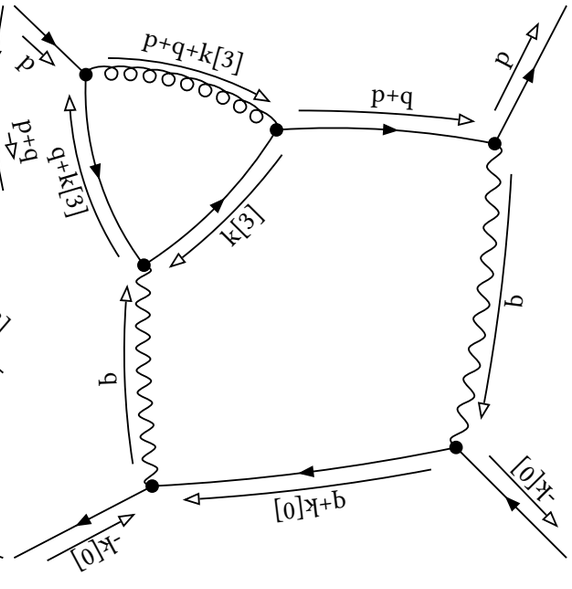
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 dot[p,p]^-1
```



−3-8+17



−3-8+13+14

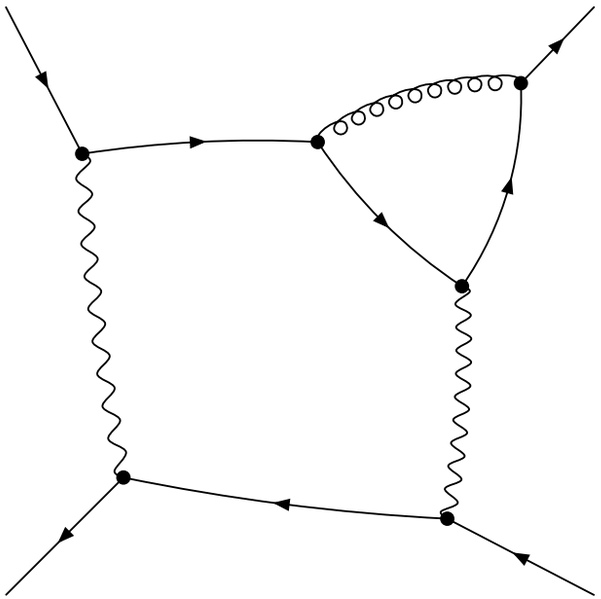


−3+11

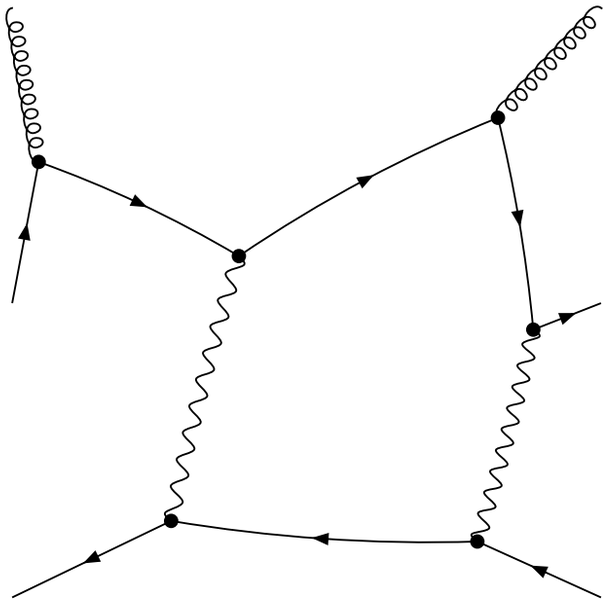
final

Denominator:

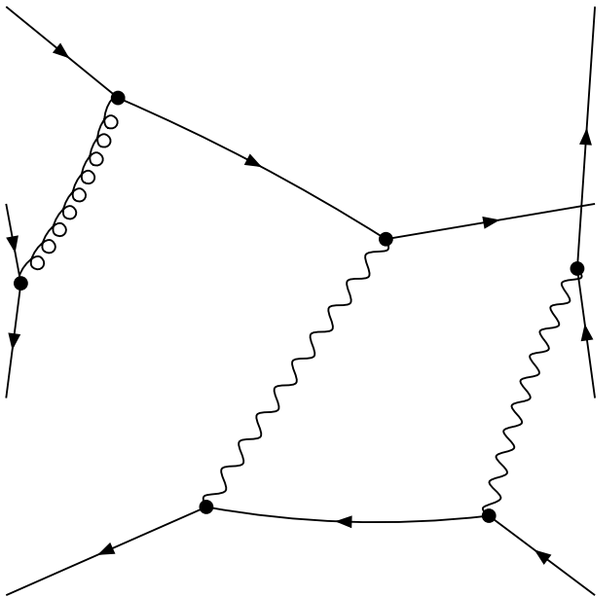
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1
```



−1+13



−1-14+17



−1+8+11-14

embedding 9 [1, 0, −1, 1]

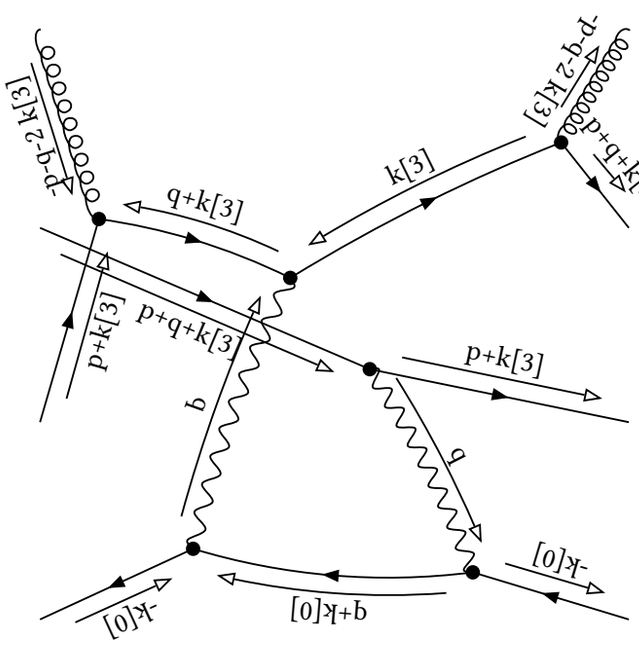
initial

Denominator:

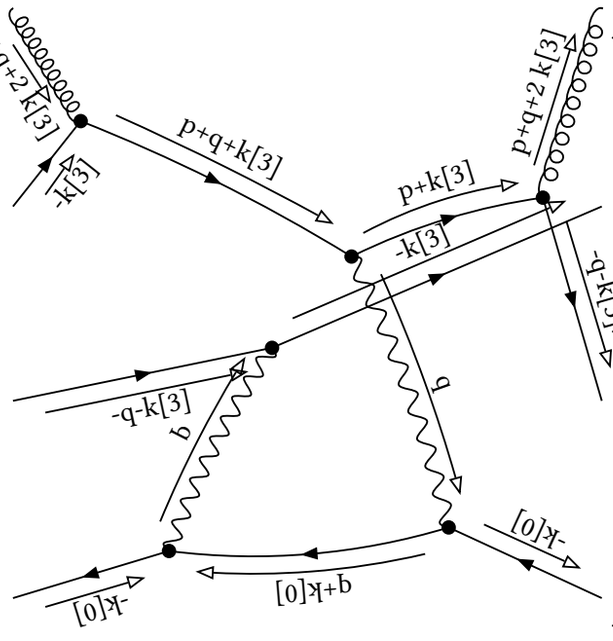
```
prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
```

Partial Fractioned Denominator:

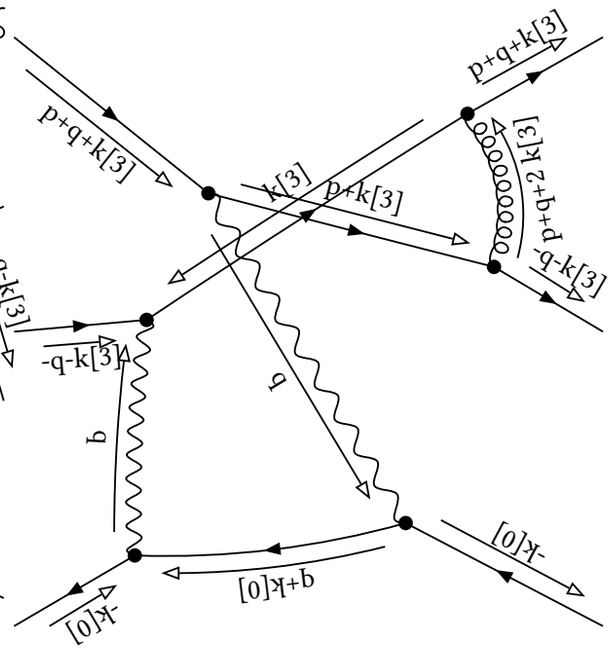
```
-1/2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+k[3]]^-1 dot[p,q]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,p+q+2 k[3]]^-1 dot[p,q]^-1
  -1/2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1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



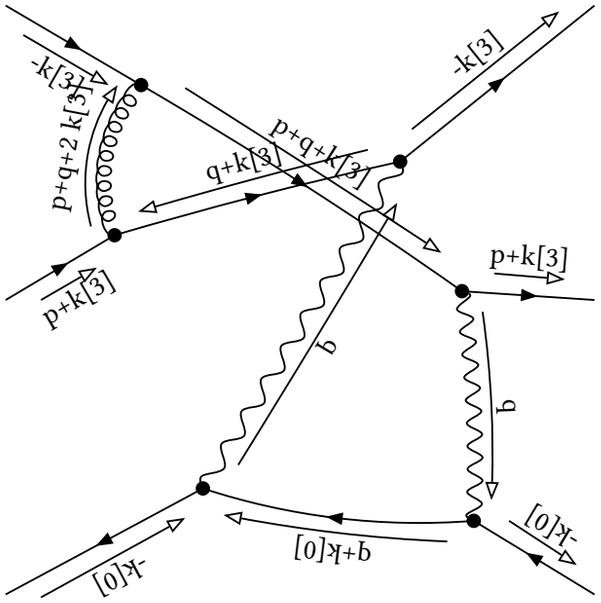
−3+11+13-17



−3-8-14+17



−3-8+13

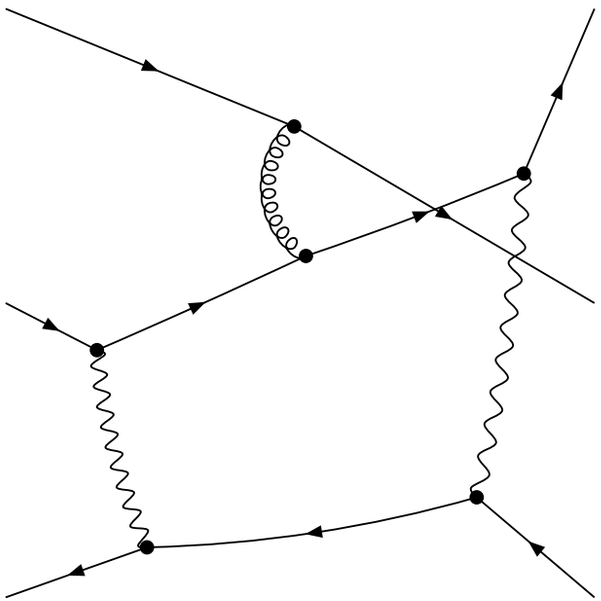


−3+11-14

final

Denominator:

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



−1+13-14

embedding 10 [1, 0, 0, −1]

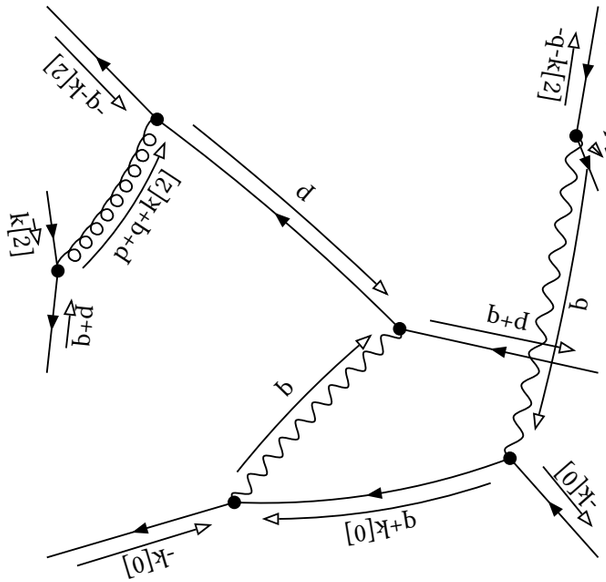
initial

Denominator:

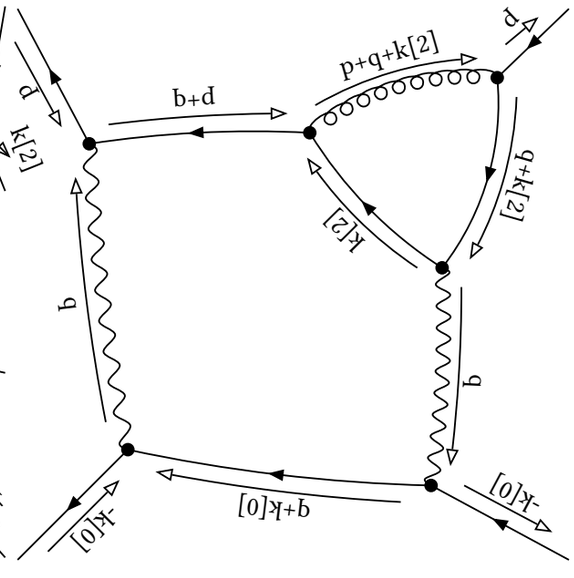
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+q]^-1 prop[0,q+k[2]]^-1 prop[0,p+q+k[2]]^-1
```

Partial Fractioned Denominator:

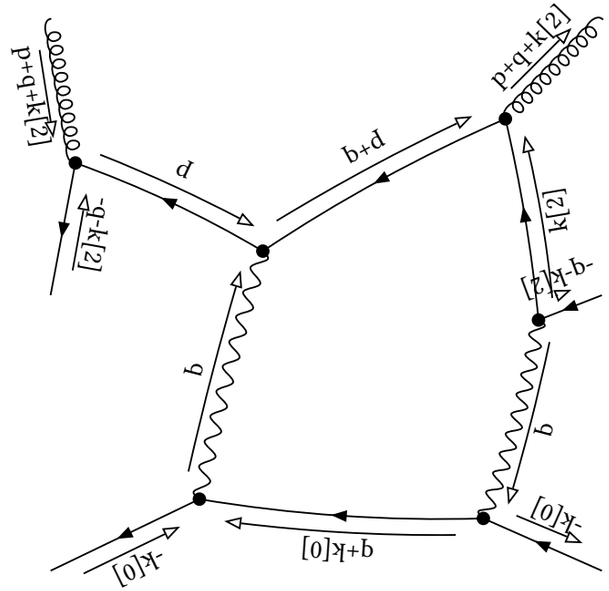
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,p+q+k[2]]^-1 dot[p,p]^-1
```



−3+8+11-13



−3+14

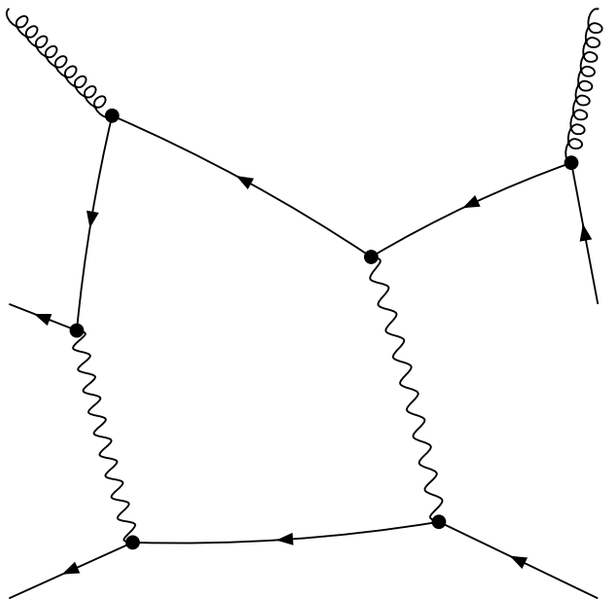


−3-13+17

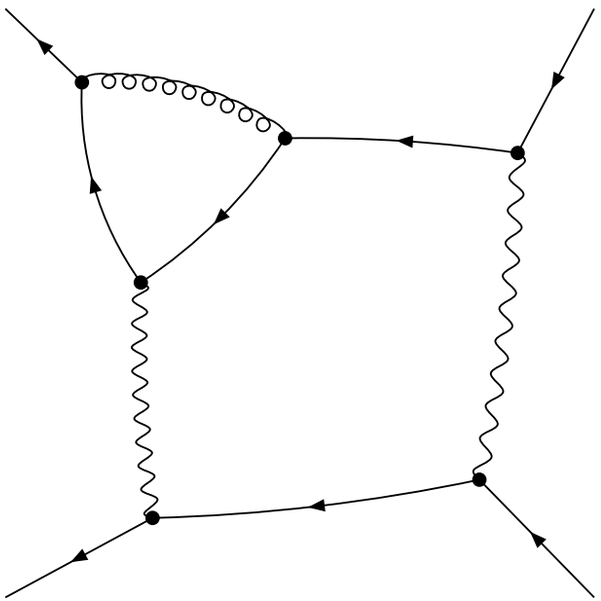
final

Denominator:

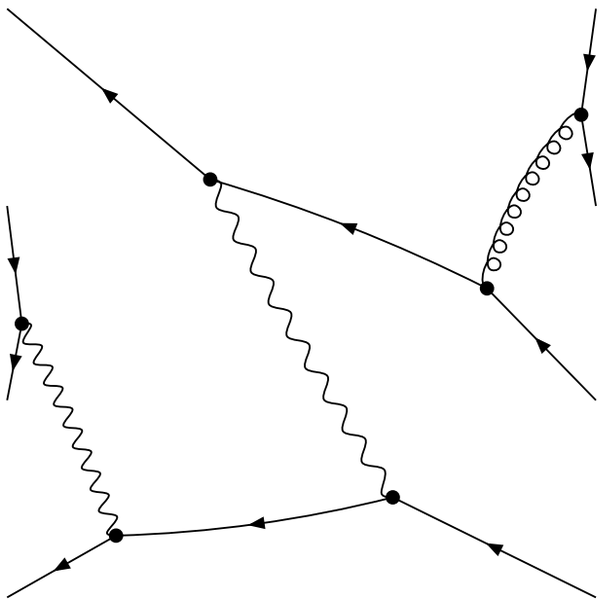
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,p-q]^-1
```



−1-11+17



−1+8



−1-11+13+14

embedding 11 [1, 0, 0, 0]

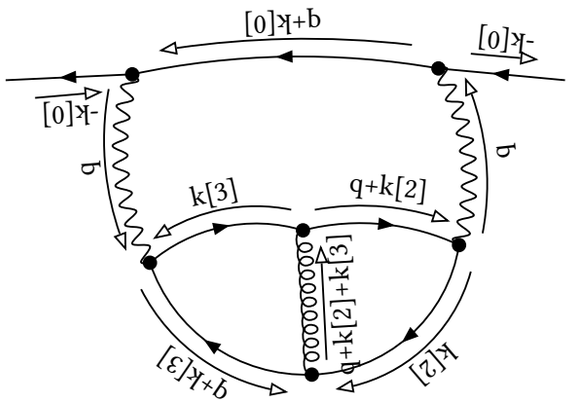
initial

Denominator:

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

Partial Fractioned Denominator:

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

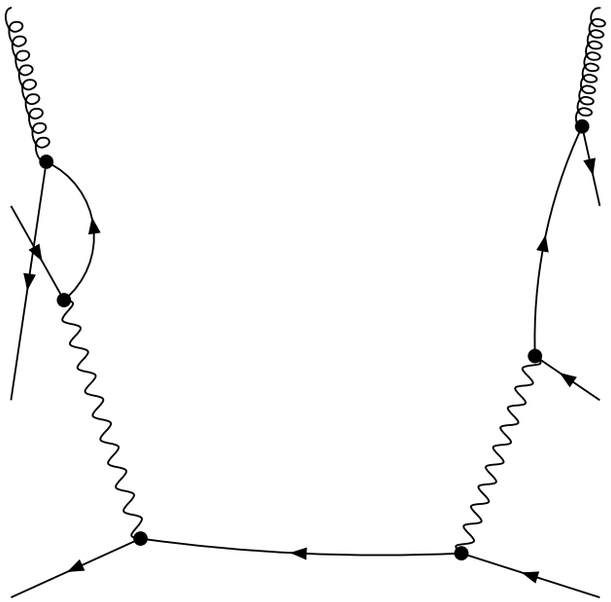


−3

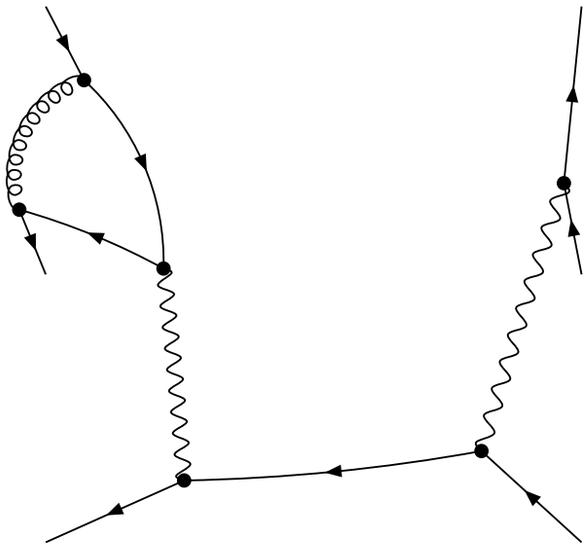
final

Denominator:

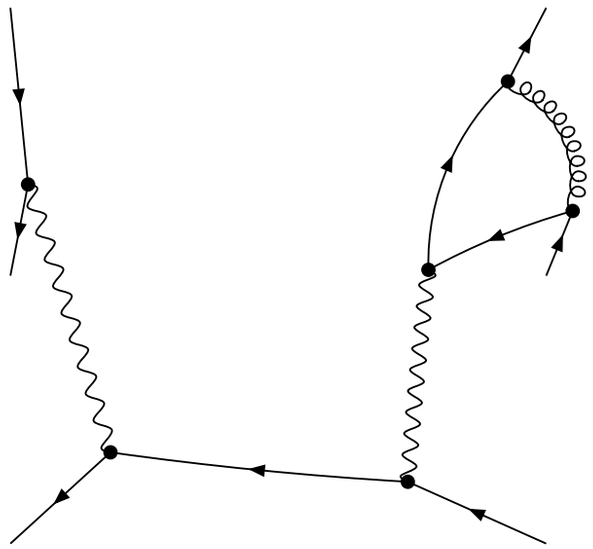
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



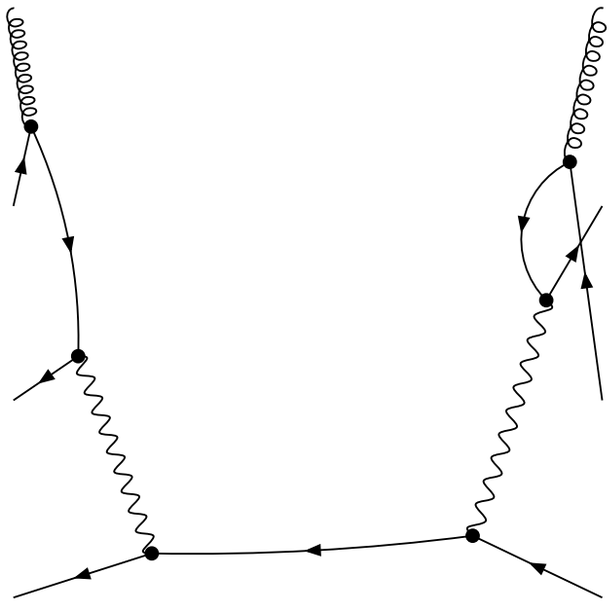
−1+8+13-17



−1+8-14



−1-11+13



−1-11-14+17

embedding 12 [1, 0, 0, 1]

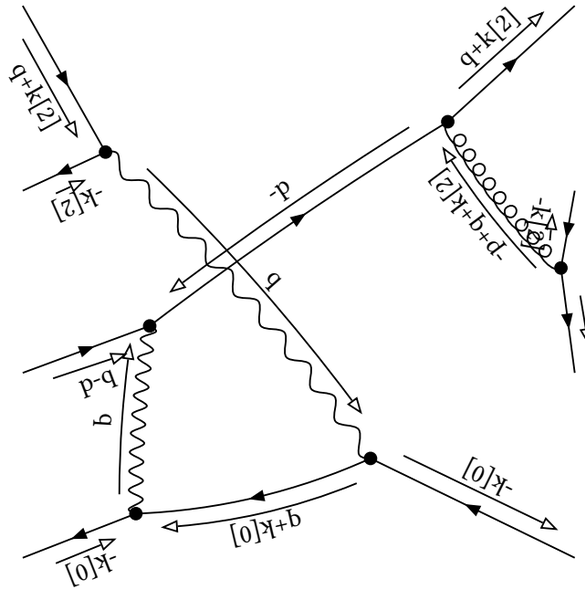
initial

Denominator:

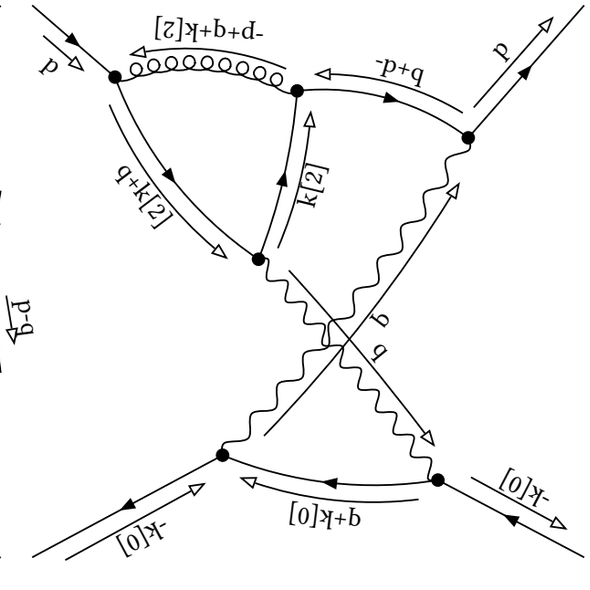
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[2]]^-1
```

Partial Fractioned Denominator:

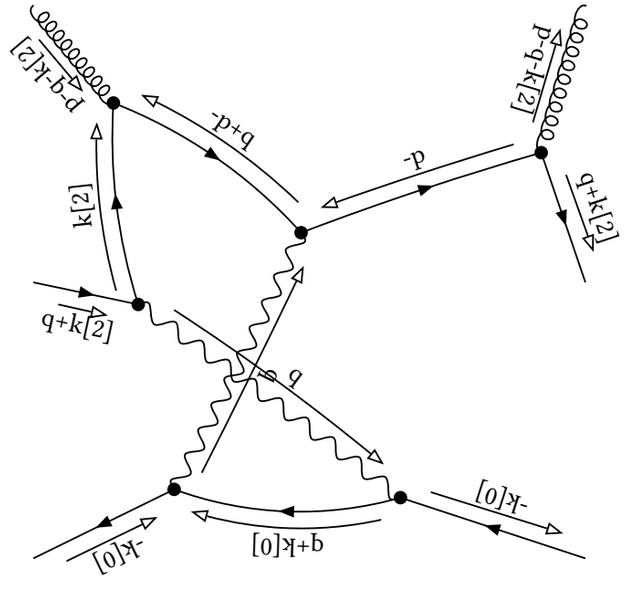
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q+k[2]]^-1 dot[p,p]^-1
```



−3-8-11+13



−3-14

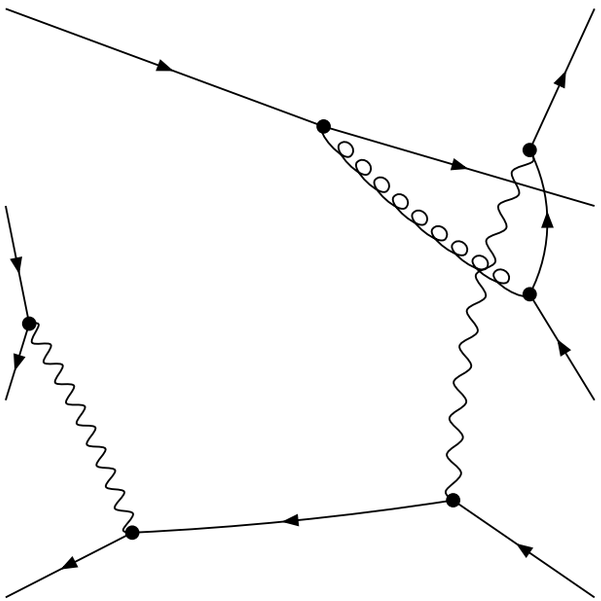


−3+13-17

final

Denominator:

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



−1-11+13-14

embedding 13 [1, 0, 1, −2]

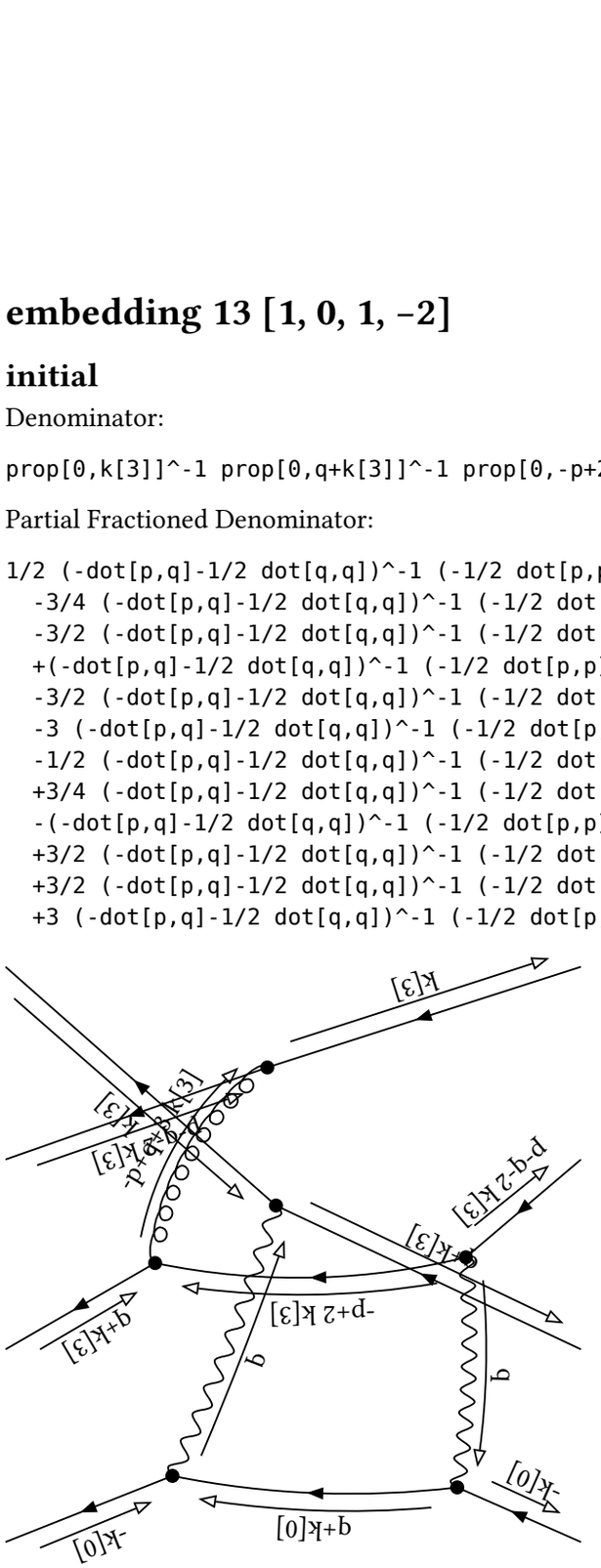
initial

Denominator:

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

Partial Fractioned Denominator:

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

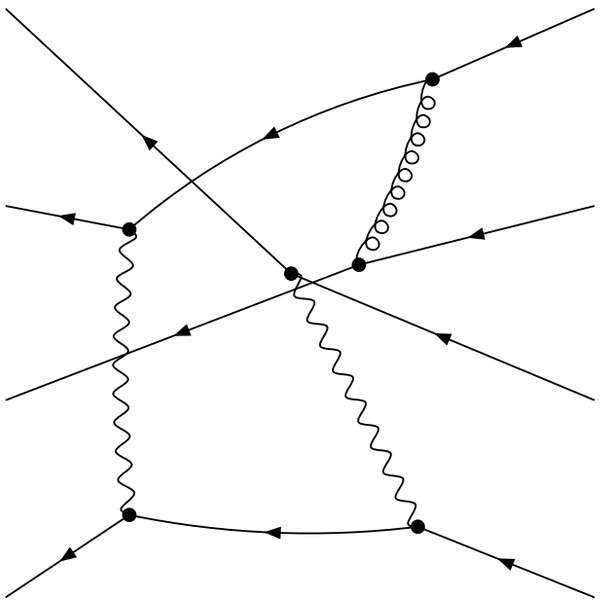


−3+8-13+14

final

Denominator:

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



−1+8-11+14

embedding 14 [1, 0, 1, −1]

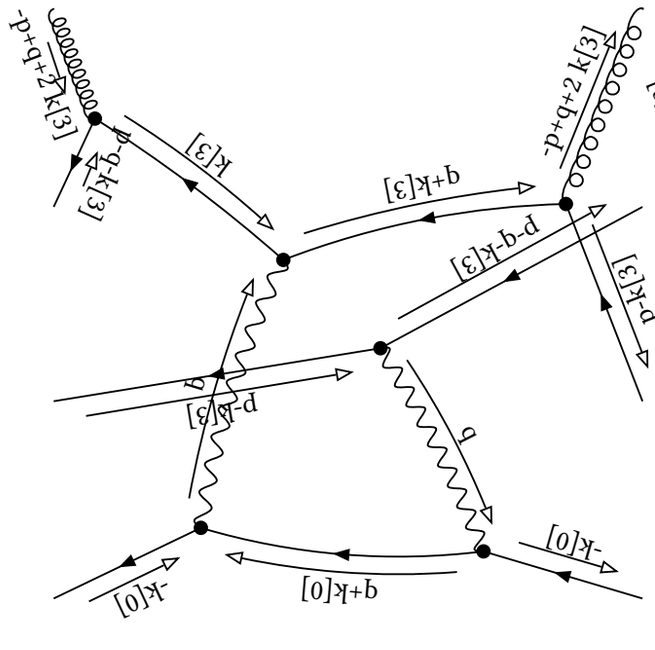
initial

Denominator:

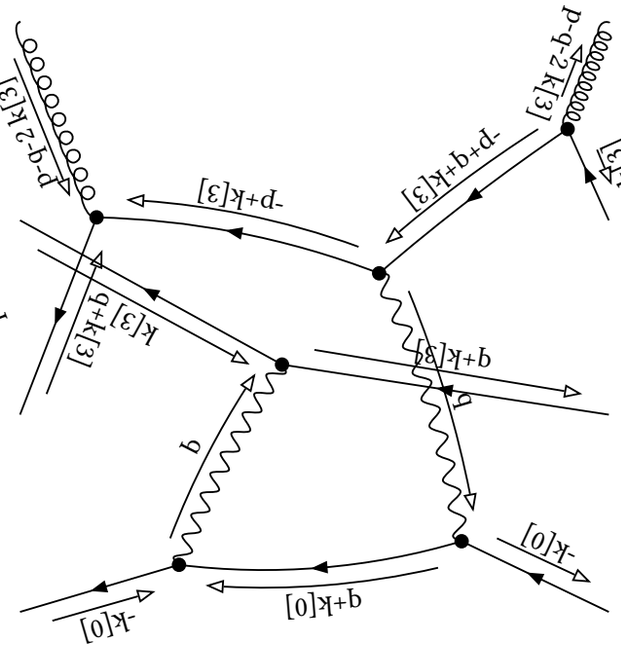
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1
```

Partial Fractioned Denominator:

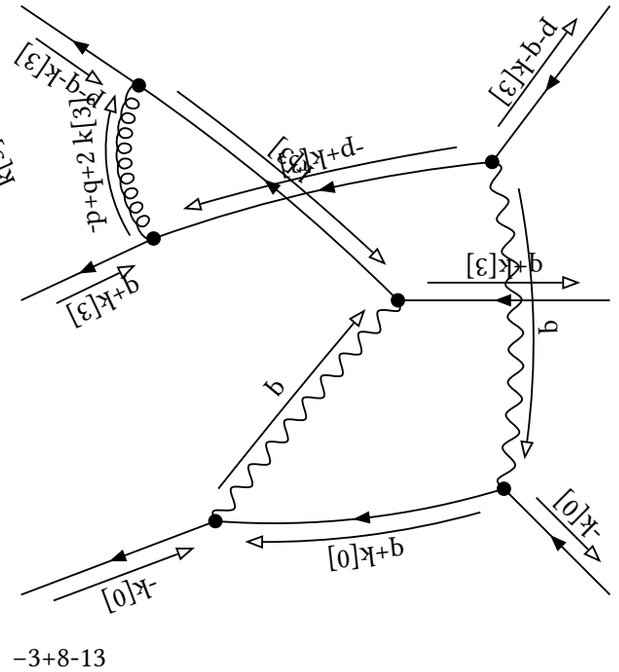
```
-1/2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 dot[p,q]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1 dot[p,q]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+2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



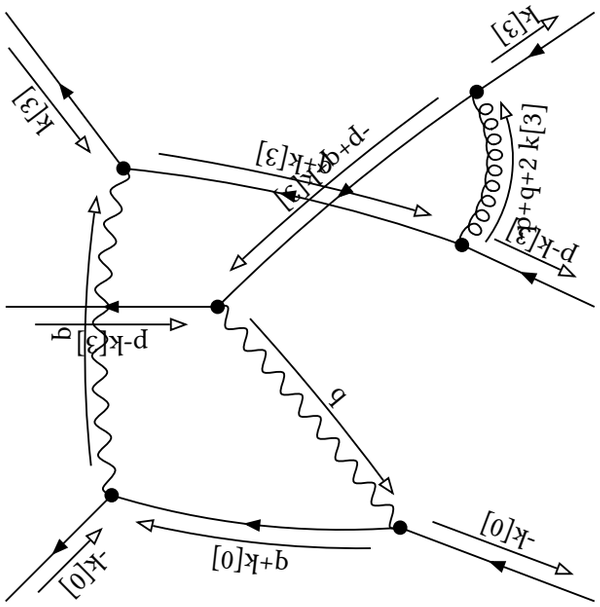
−3-11-13+17



−3+8+14-17



−3+8-13

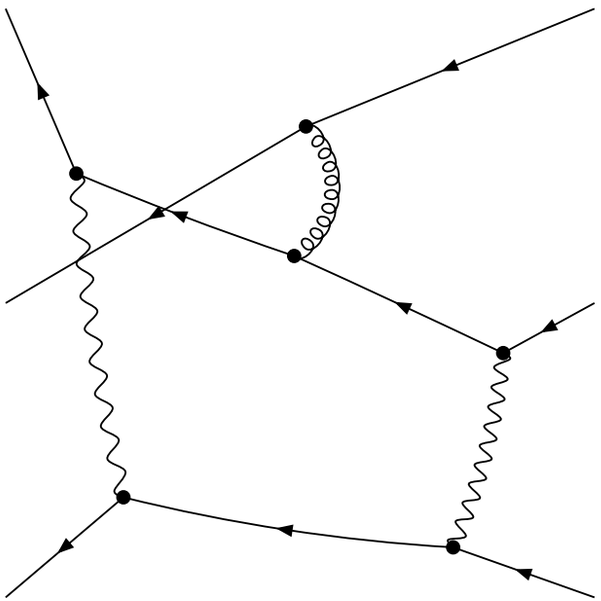


−3-11+14

final

Denominator:

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



−1+8-11

embedding 15 [1, 0, 1, 0]

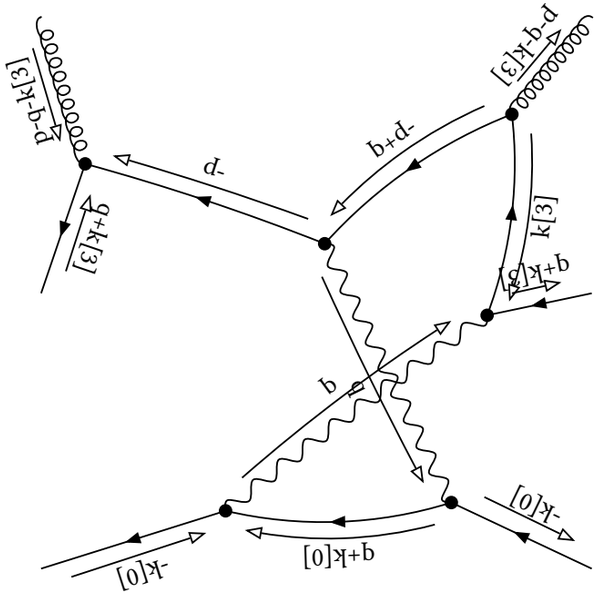
initial

Denominator:

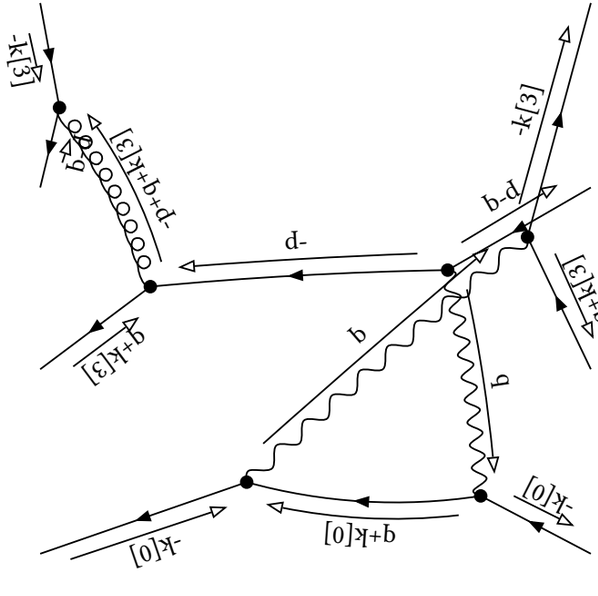
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[3]]^-1
```

Partial Fractioned Denominator:

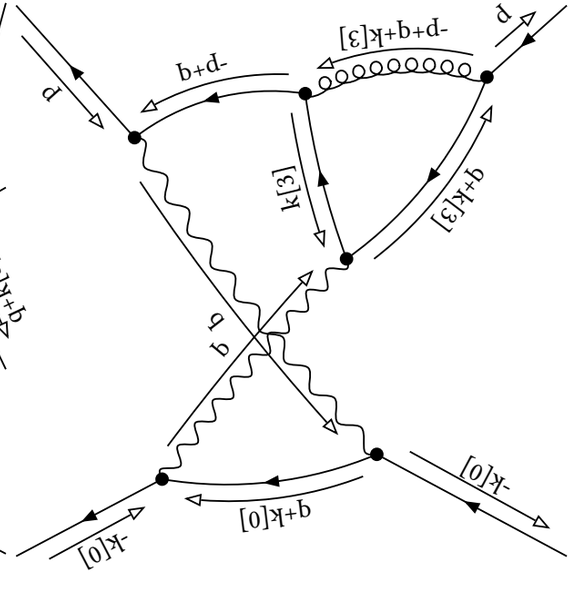
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q+k[3]]^-1 dot[p,p]^-1
```



−3+8-17



−3+8-13-14

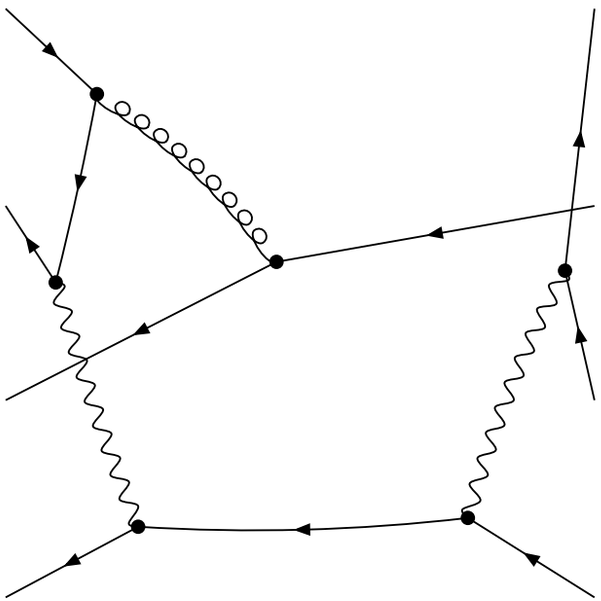


−3-11

final

Denominator:

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



−1+8-11-14

embedding 16 [1, 1, −1, 0]

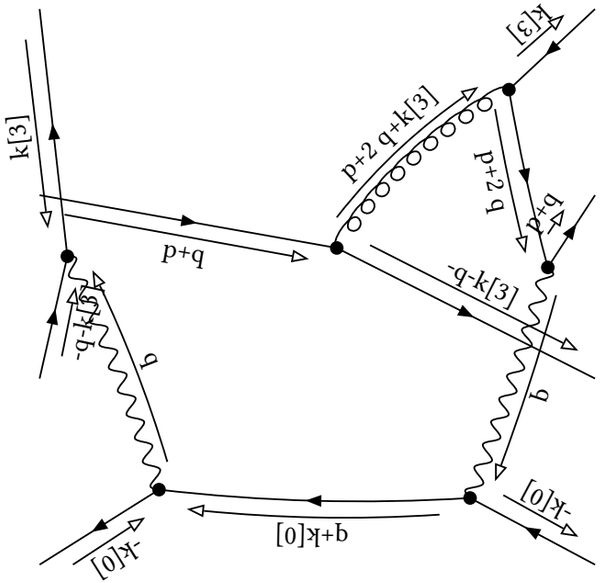
initial

Denominator:

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

Partial Fractioned Denominator:

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

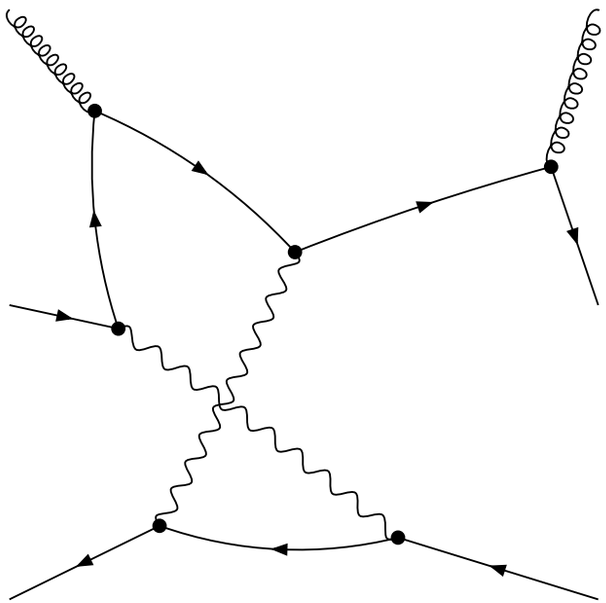


−3-8+11+14

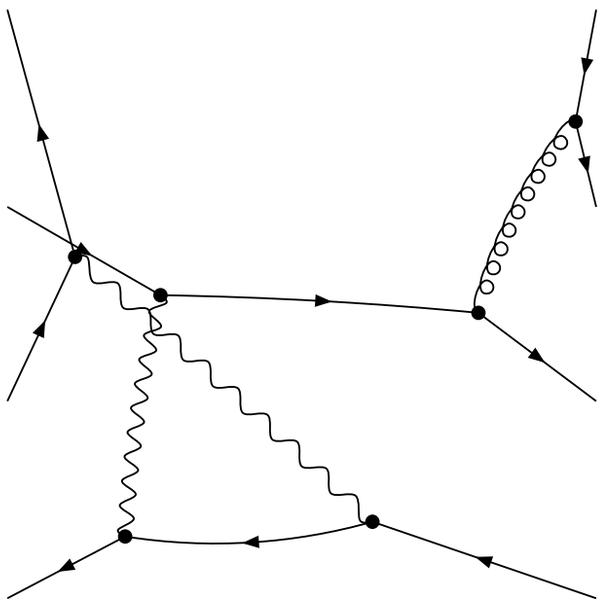
final

Denominator:

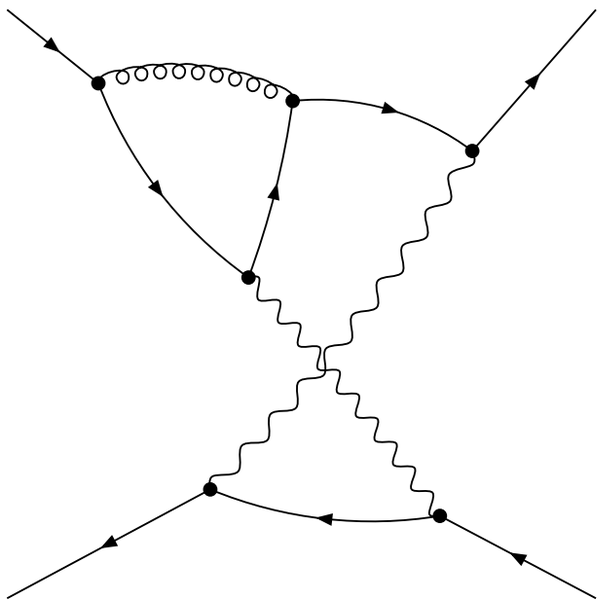
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1
```



−1-8+17



−1-8+13+14



−1+11

embedding 17 [1, 1, −1, 1]

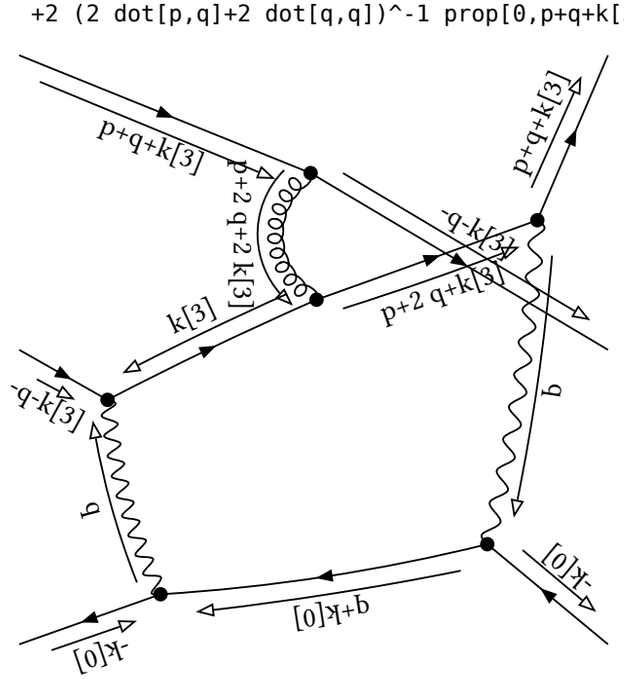
initial

Denominator:

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

Partial Fractioned Denominator:

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

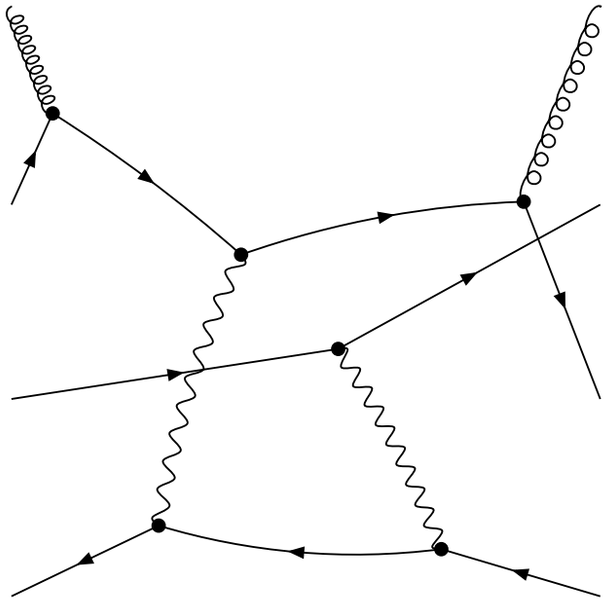


−3-8+11

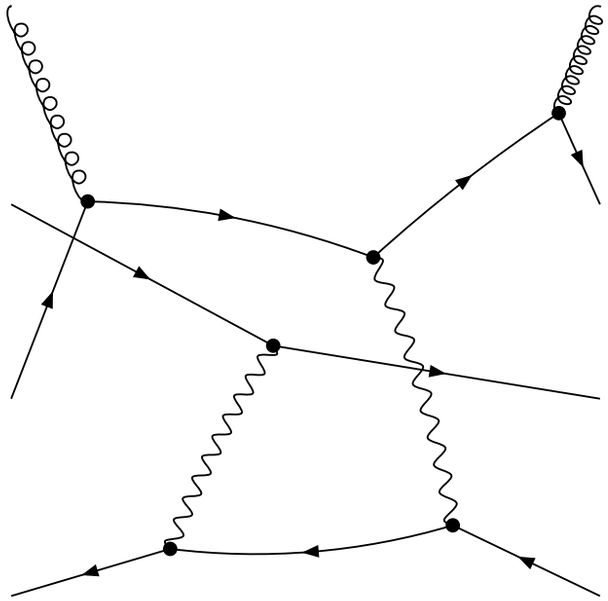
final

Denominator:

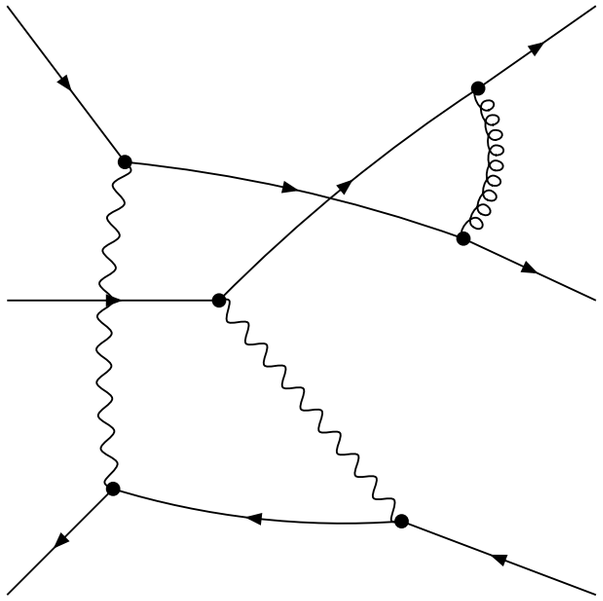
```
prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
```



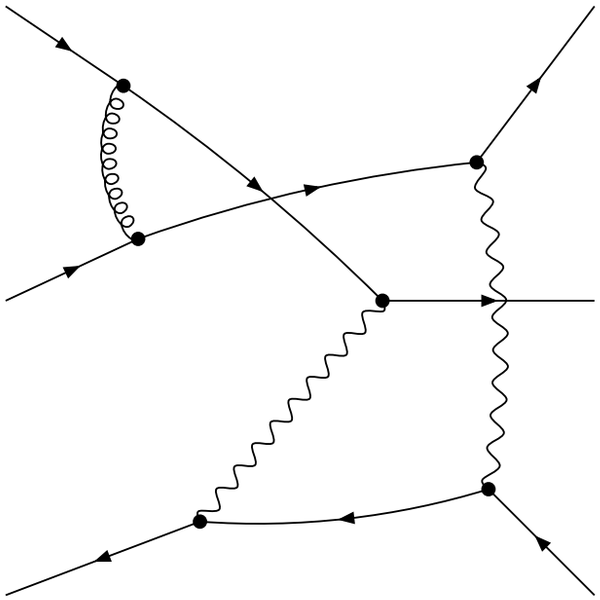
−1-8-14+17



−1+11+13-17



−1-8+13



−1+11-14

embedding 18 [1, 1, −1, 2]

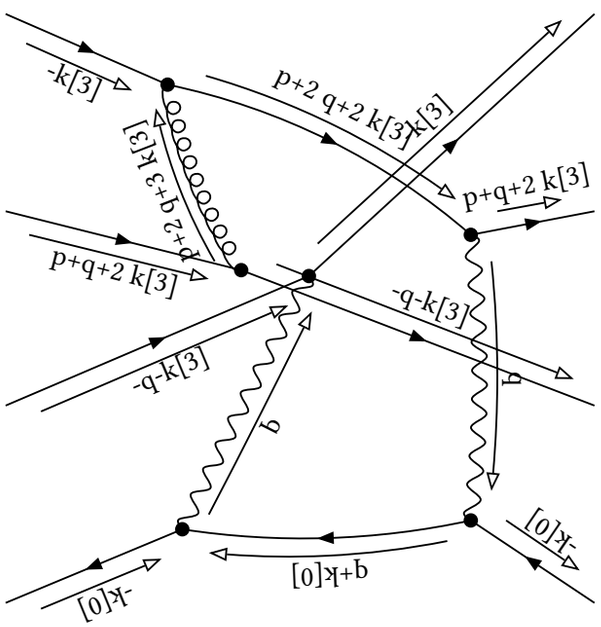
initial

Denominator:

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

Partial Fractioned Denominator:

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

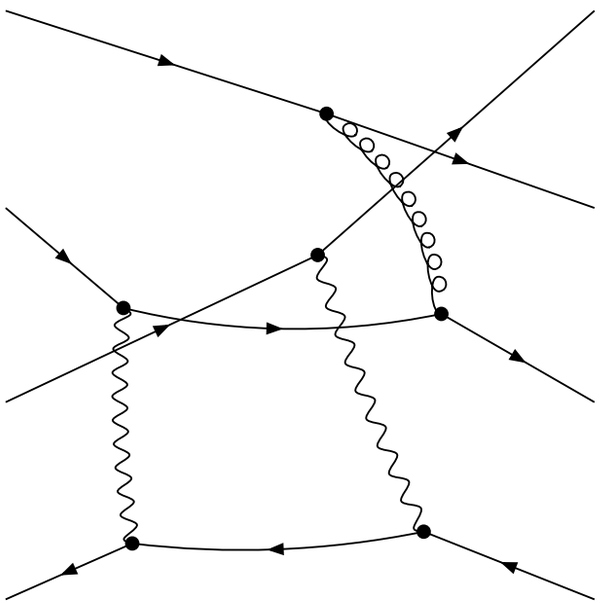


−3-8+11-14

final

Denominator:

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



−1-8+13-14

embedding 19 [1, 1, 0, −1]

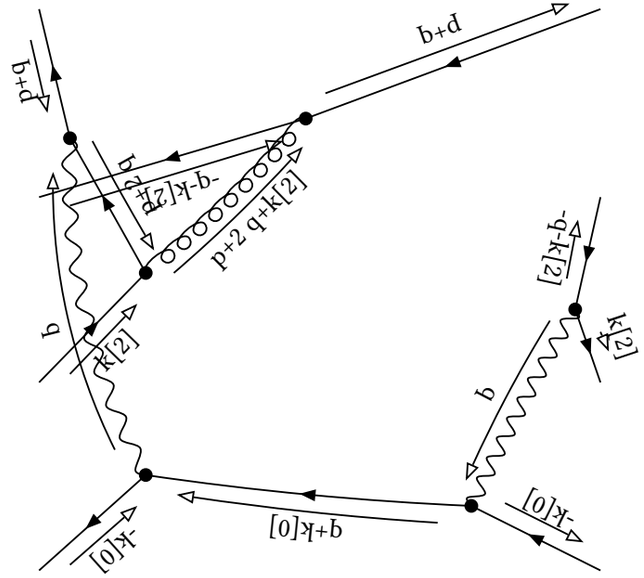
initial

Denominator:

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

Partial Fractioned Denominator:

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

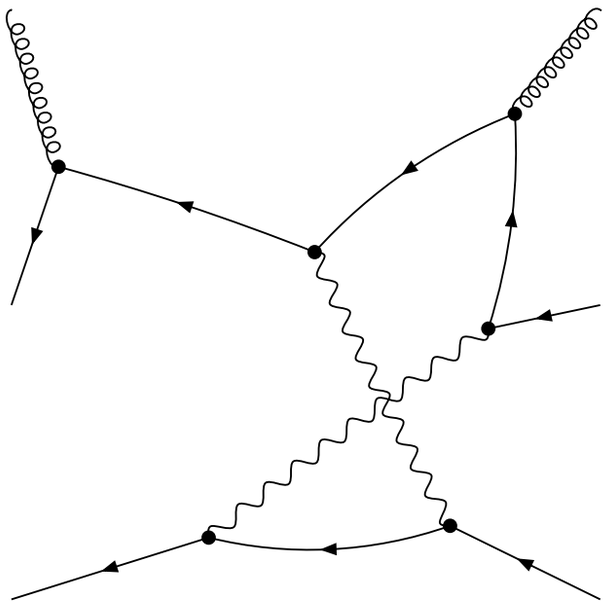


−3+11-13+14

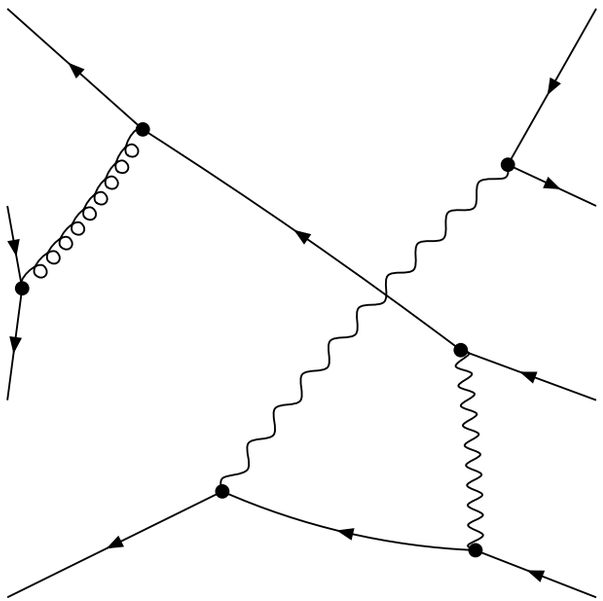
final

Denominator:

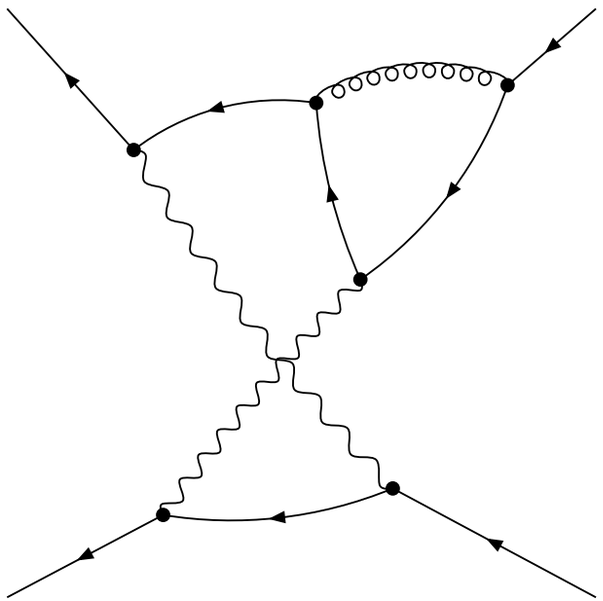
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+q]^-1 prop[0,q+k[2]]^-1 prop[0,p+q+k[2]]^-1
```



−1-13+17



−1+8+11-13



−1+14

embedding 20 [1, 1, 0, 0]

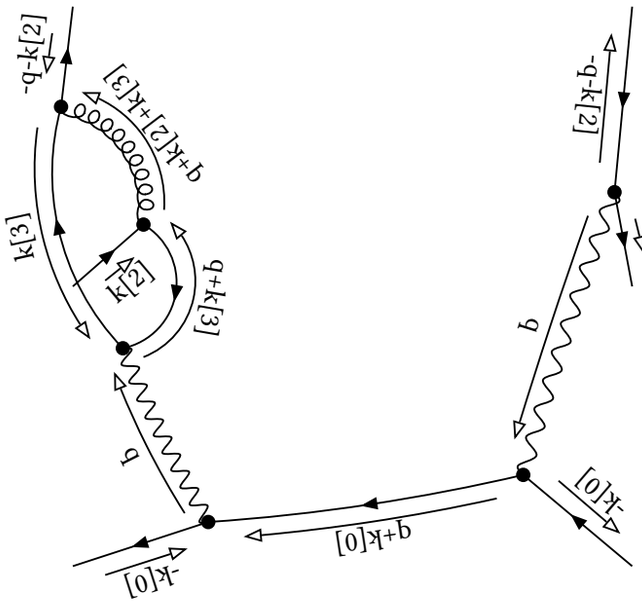
initial

Denominator:

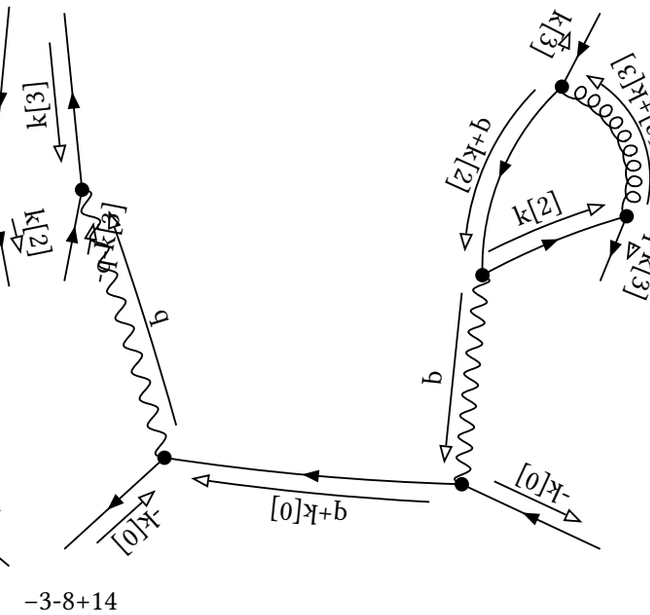
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```

Partial Fractioned Denominator:

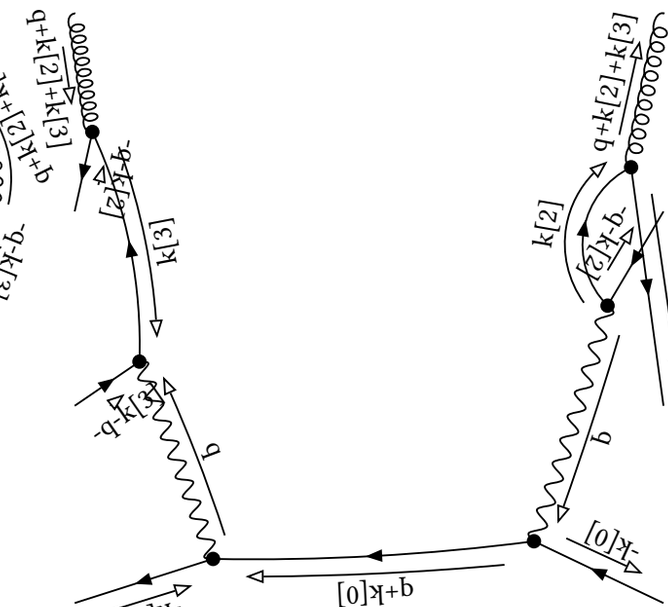
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



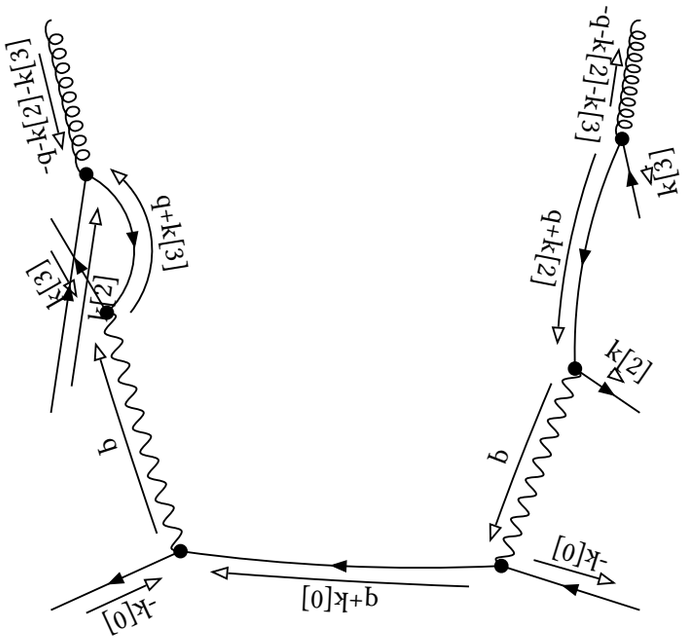
−3+11-13



−3-8+14



−3-8-13+17

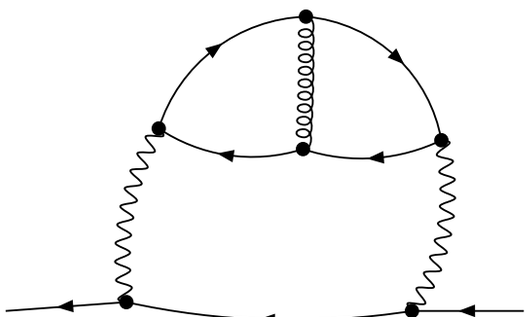


−3+11+14-17

final

Denominator:

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



−1

embedding 21 [1, 1, 0, 1]

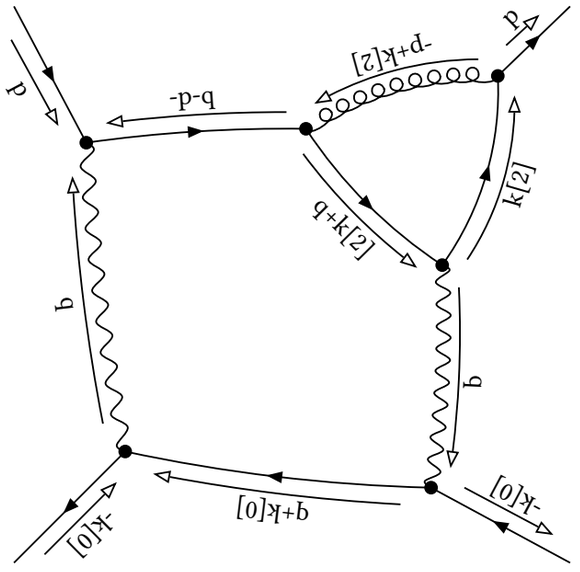
initial

Denominator:

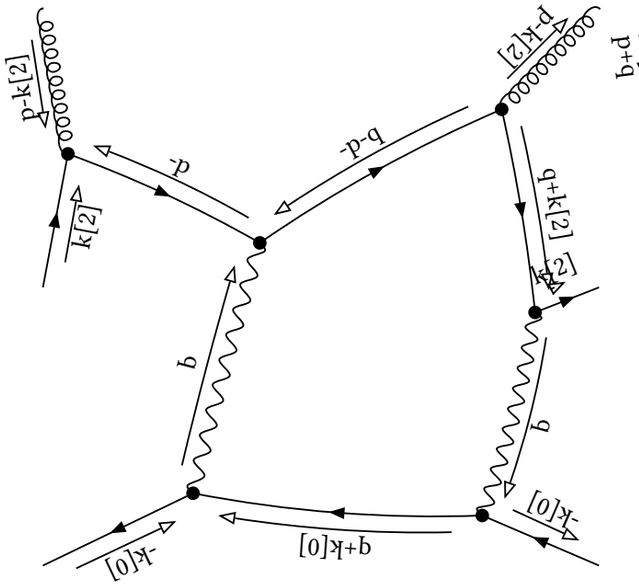
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 prop[0,-p-q]^-1
```

Partial Fractioned Denominator:

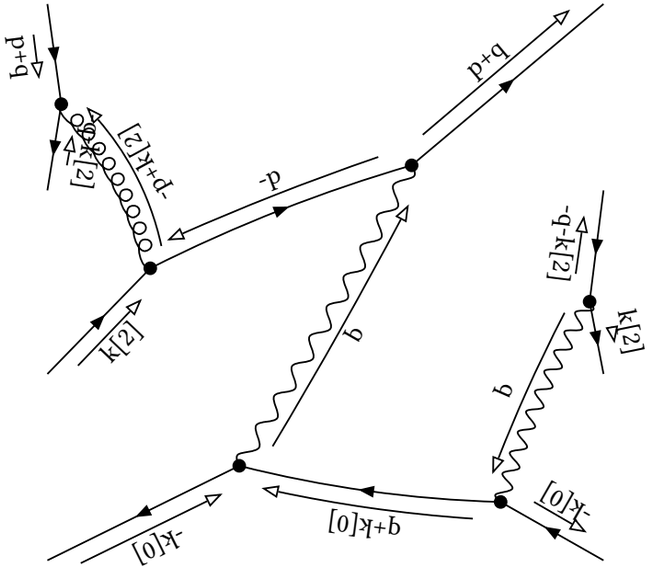
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 dot[p,p]^-1
```



−3-8



−3+11-17

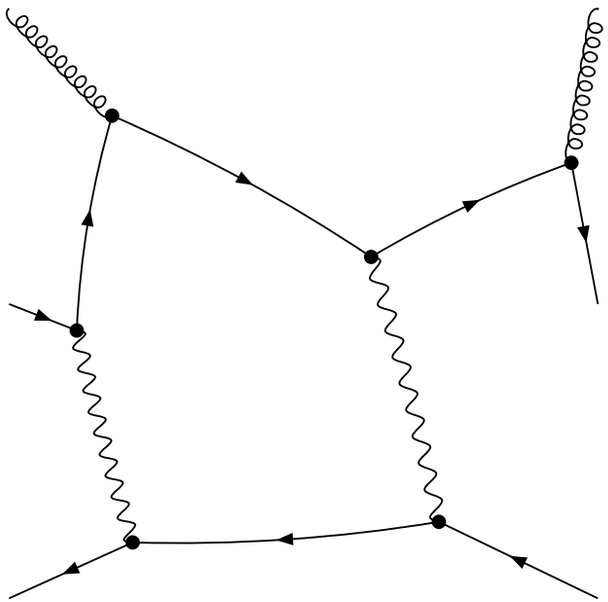


−3+11-13-14

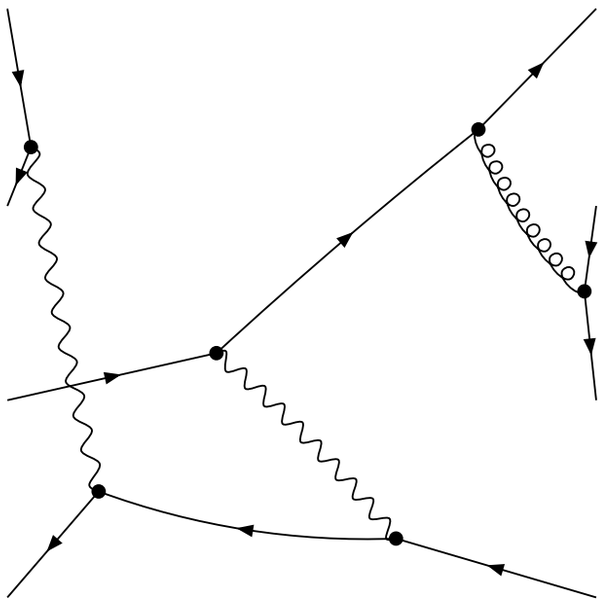
final

Denominator:

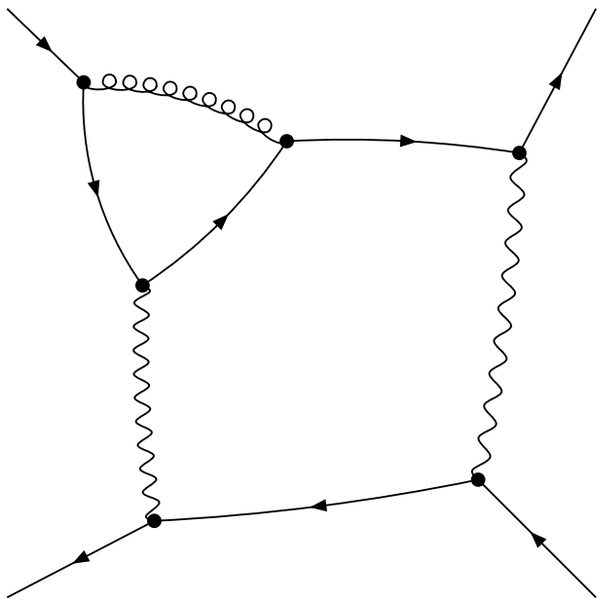
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[2]]^-1
```



−1+13-17



−1-8-11+13



−1-14

embedding 22 [1, 1, 1, −1]

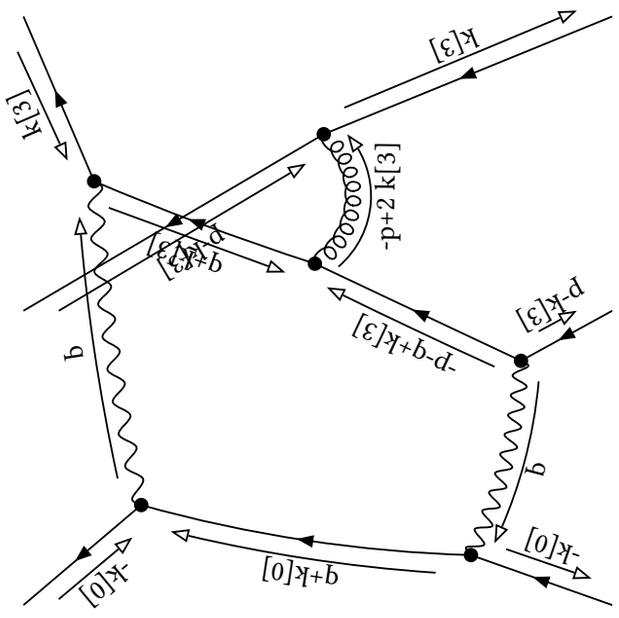
initial

Denominator:

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

Partial Fractioned Denominator:

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

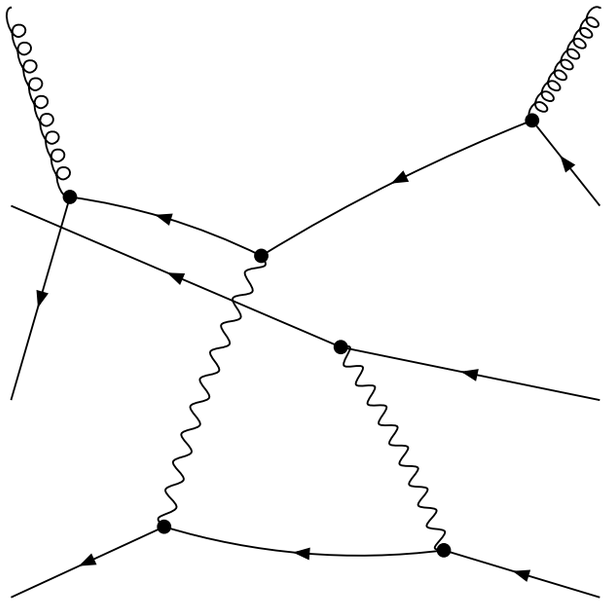


−3-13+14

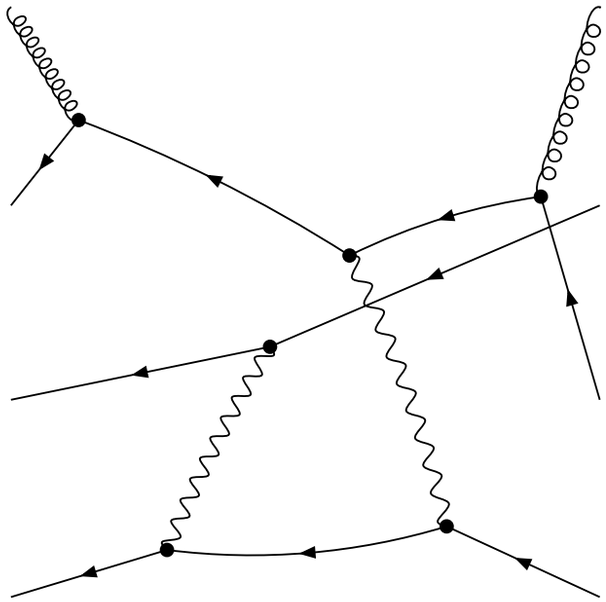
final

Denominator:

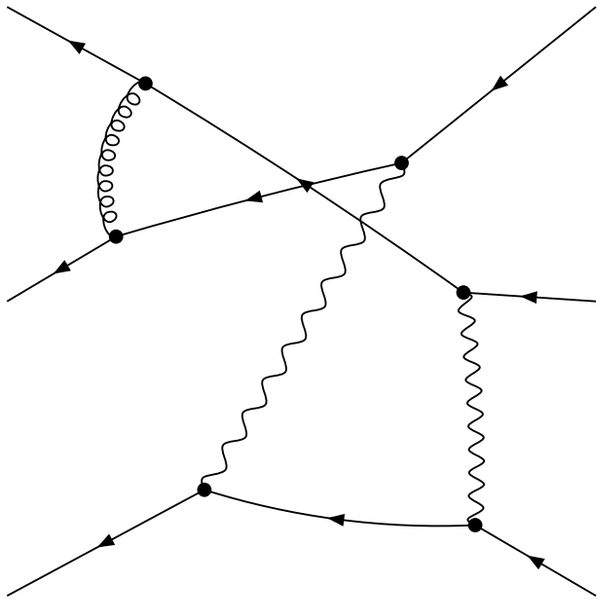
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1
```



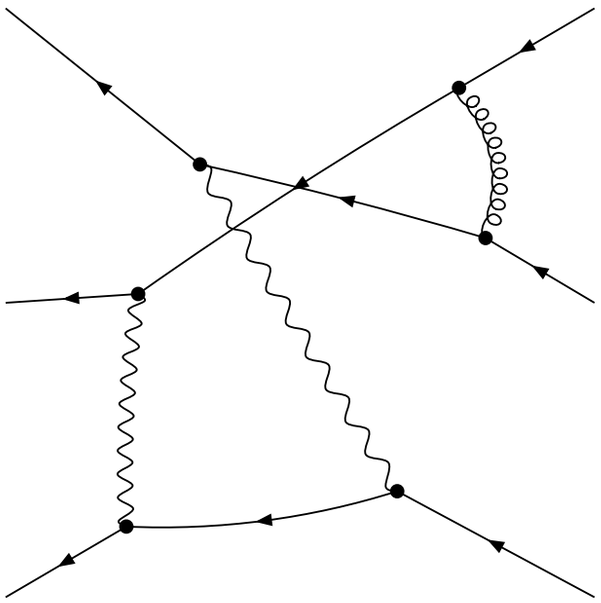
−1+8+14-17



−1-11-13+17



−1+8-13



−1-11+14

embedding 23 [1, 1, 1, 0]

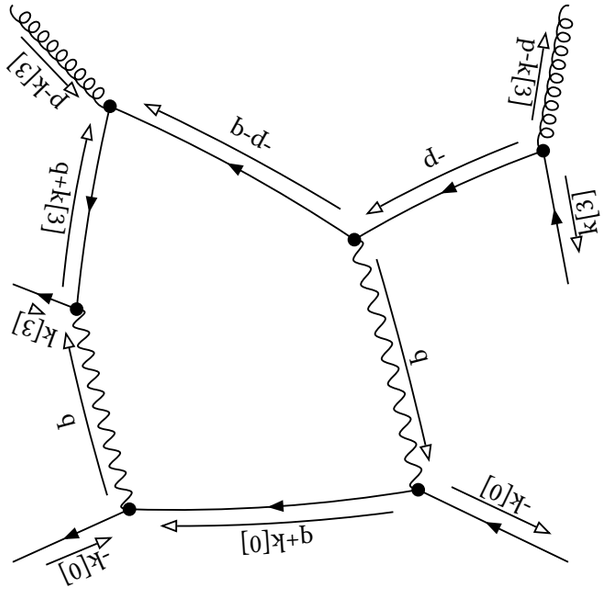
initial

Denominator:

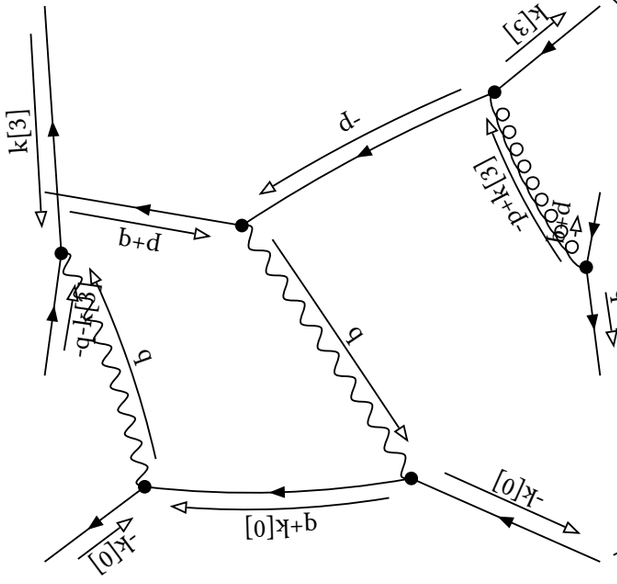
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p-q]^-1
```

Partial Fractioned Denominator:

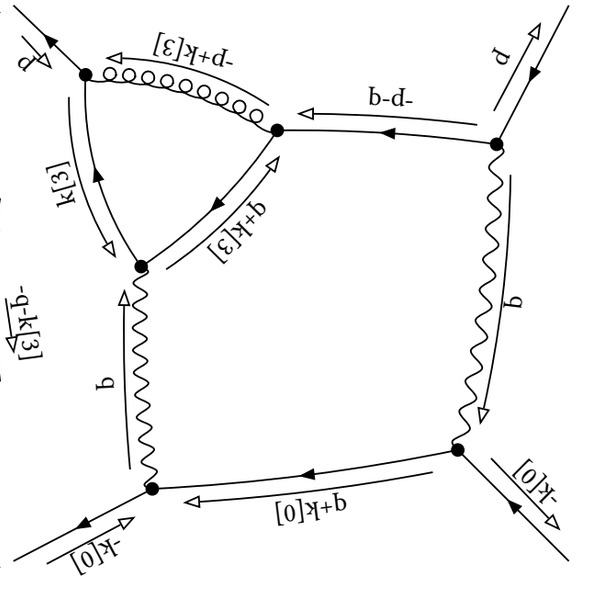
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 dot[p,p]^-1
```



−3+14-17



−3-8-11+14

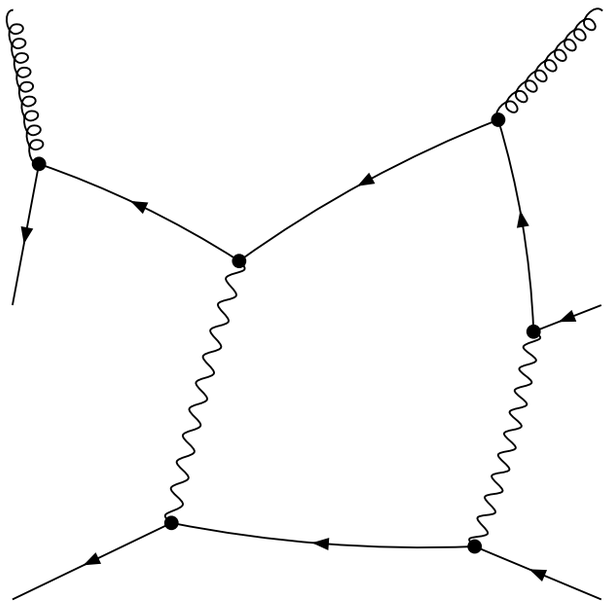


−3-13

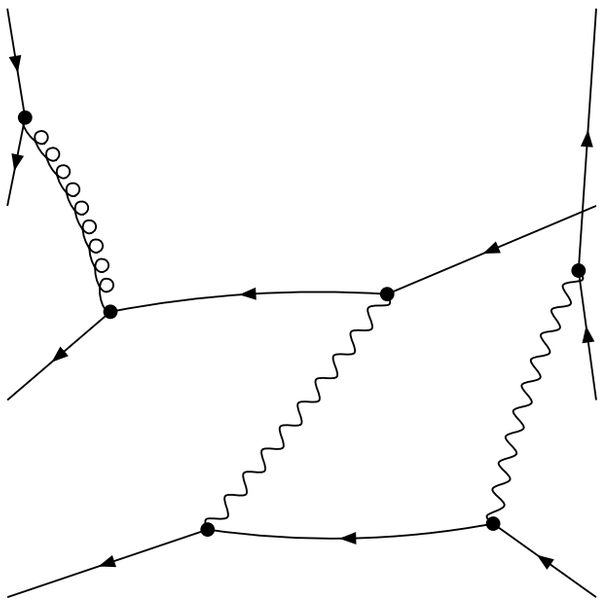
final

Denominator:

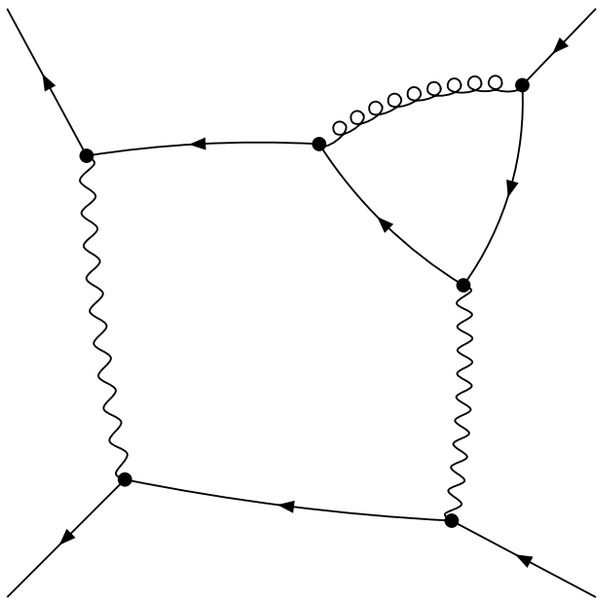
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[3]]^-1
```



−1+8-17



−1+8-13-14



−1-11

embedding 24 [1, 1, 1, 1]

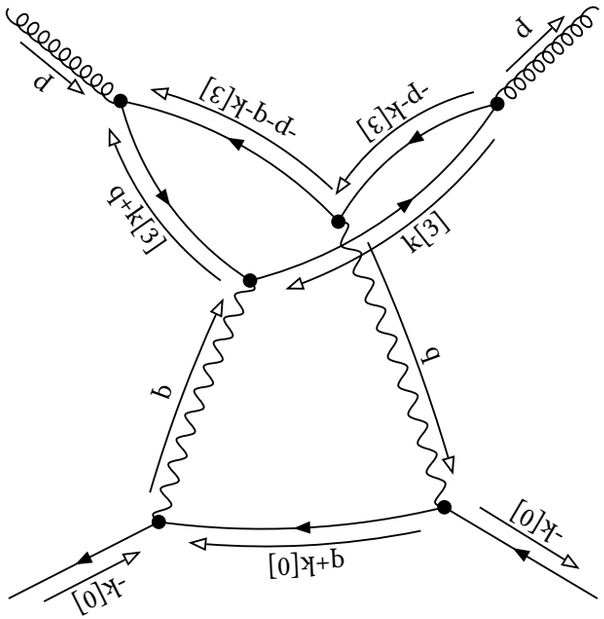
initial

Denominator:

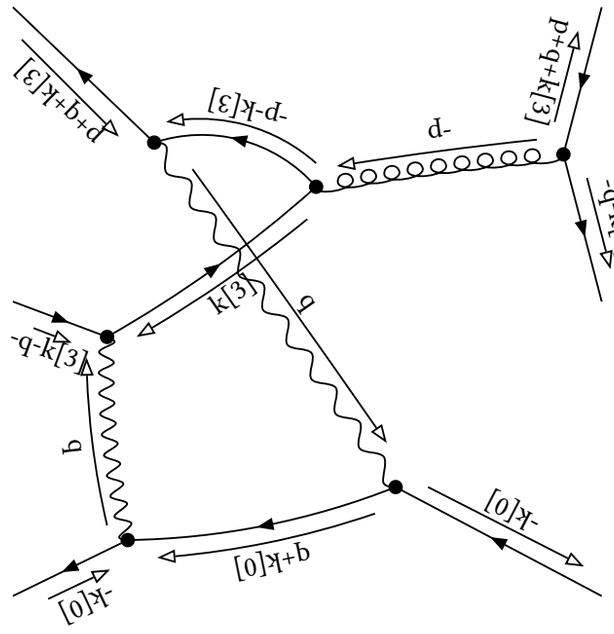
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1
```

Partial Fractioned Denominator:

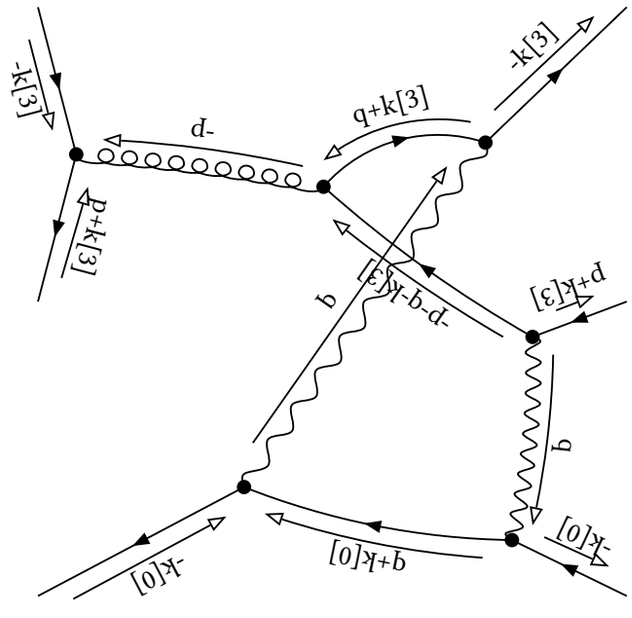
```
1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1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



−3-17



−3-8-11

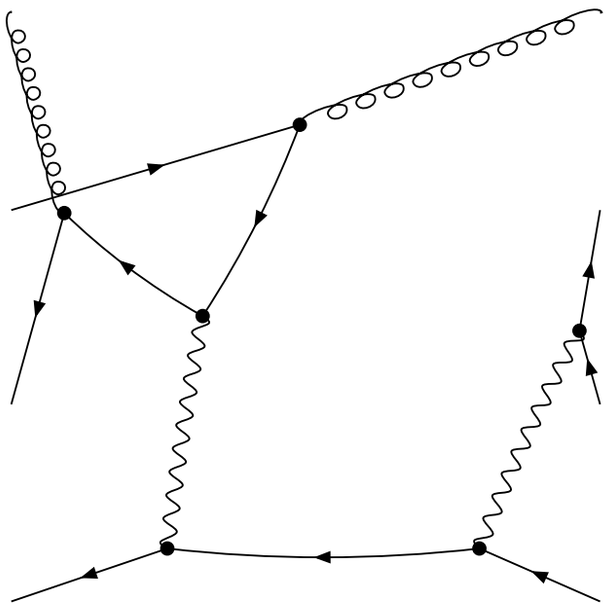


−3-13-14

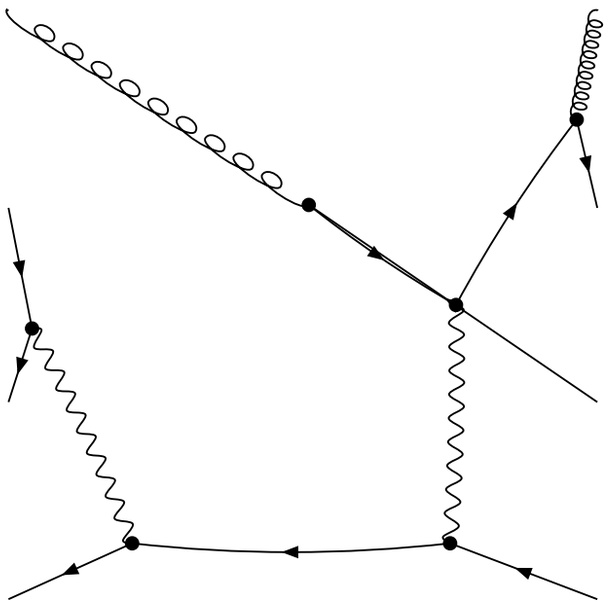
final

Denominator:

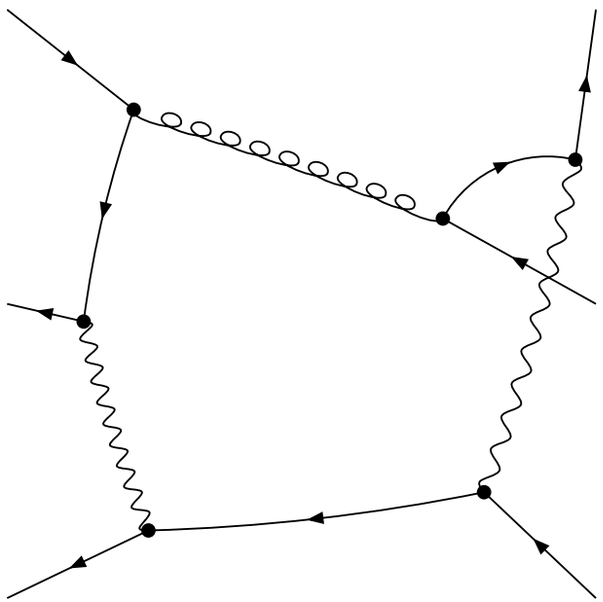
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p-k[3]]^-1 prop[0,-p+q-k[3]]^-1
```



−1+8-14-17



−1-11+13-17



−1-11-14

embedding 25 [1, 1, 2, −1]

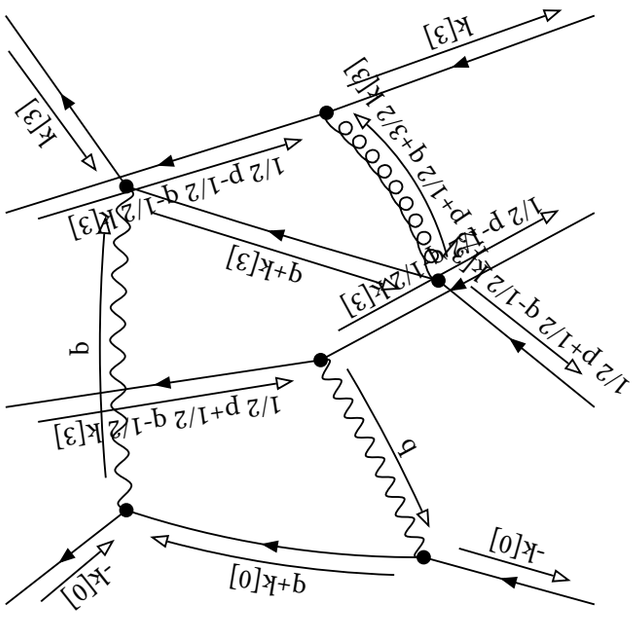
initial

Denominator:

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

Partial Fractioned Denominator:

```
-6 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+3/2 k[3]]^-1
  +2 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p-1/2 q+1/2 k[3]]^-1
  -3 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,-1/2 p+1/2 q+3/2 k[3]]^-1 prop[0,-1/2 p-1/2
q+1/2 k[3]]^-1
  -3 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,-1/2 p+1/2
q+3/2 k[3]]^-1
  +(-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-2 dot[q,q])^-1 prop[0,q+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
  -3/2 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]-2 dot[p,q]-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+3/2 k[3]]^-1
prop[0,-1/2 p-1/2 q+1/2 k[3]]^-1
  -2 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+1/2 k[3]]^-1
  +6 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+3/2 k[3]]^-1
  -(-2 dot[p,q]-dot[q,q])^-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]]^-1 prop[0,-1/2 p-1/2 q+1/2
k[3]]^-1
  +3 (-2 dot[p,q]-dot[q,q])^-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+3/2 k[3]]^-1 prop[0,-1/2 p-1/2
q+1/2 k[3]]^-1
  +3 (-2 dot[p,q]-dot[q,q])^-1 (-1/2 dot[p,p]+dot[p,q]-1/2 dot[q,q])^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,-1/2 p+1/2
q+3/2 k[3]]^-1
  +3/2 (-2 dot[p,q]-dot[q,q])^-1 (-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+3/2 k[3]]^-1
prop[0,-1/2 p-1/2 q+1/2 k[3]]^-1
```

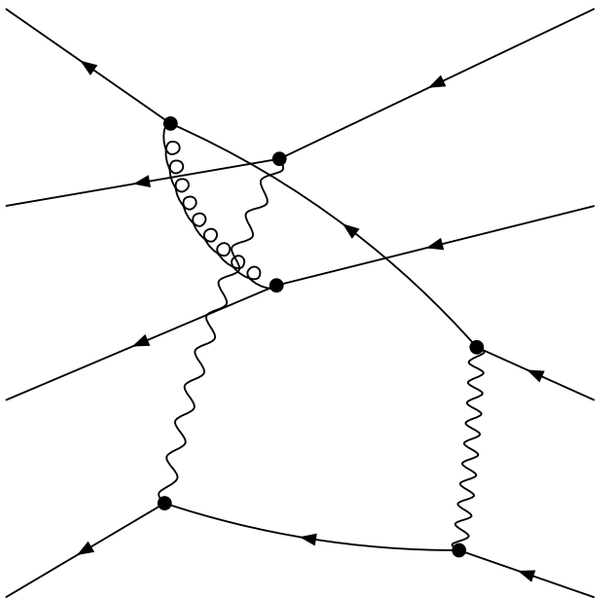


−3-11-13+14

final

Denominator:

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



−1+8-11-13

embedding 26 [1, 2, 0, 1]

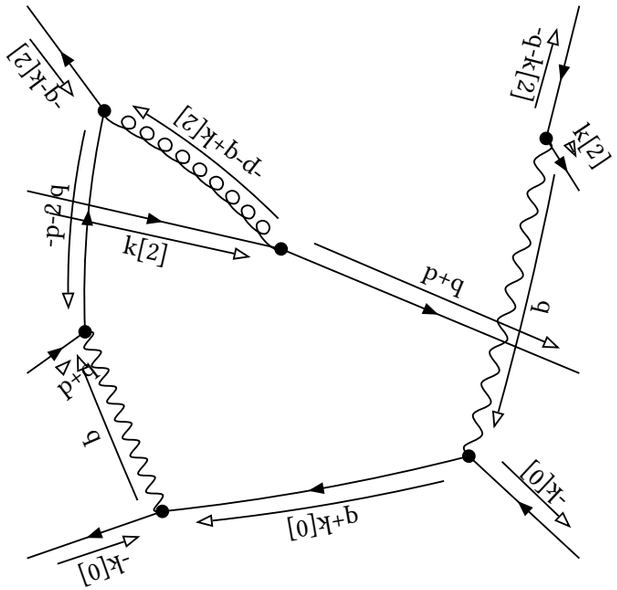
initial

Denominator:

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

Partial Fractioned Denominator:

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

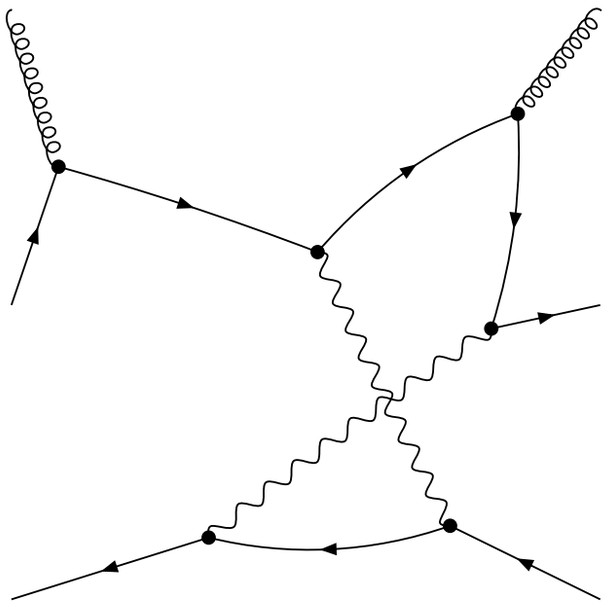


−3-8+11-13

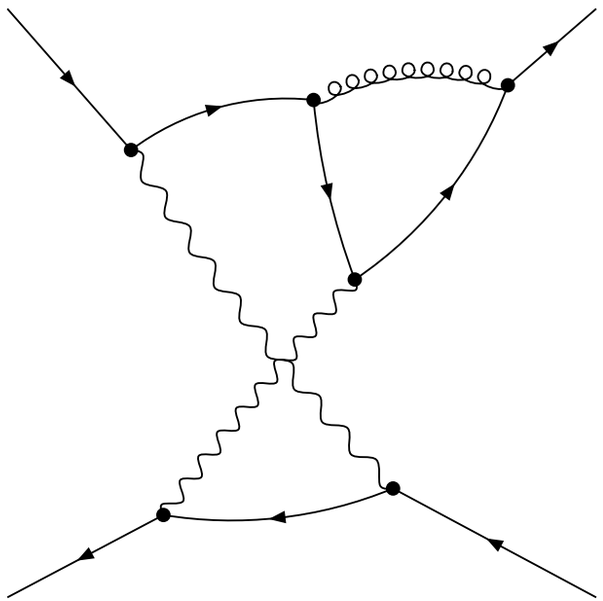
final

Denominator:

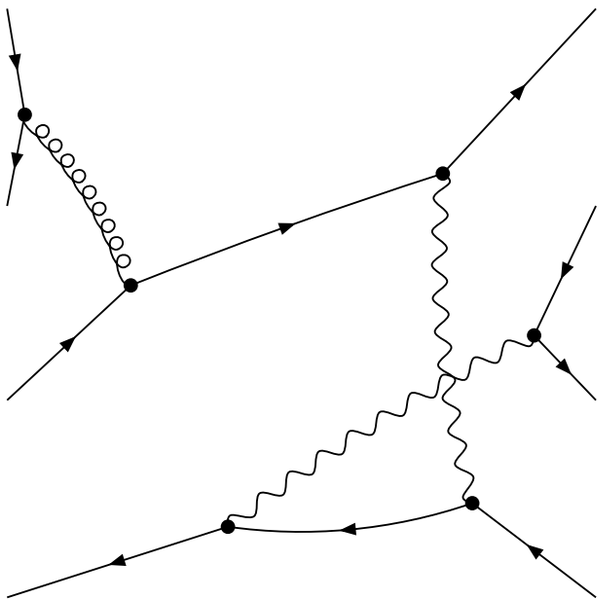
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 prop[0,-p-q]^-1
```



−1+11-17



−1-8



−1+11-13-14

embedding 27 [1, 2, 1, 0]

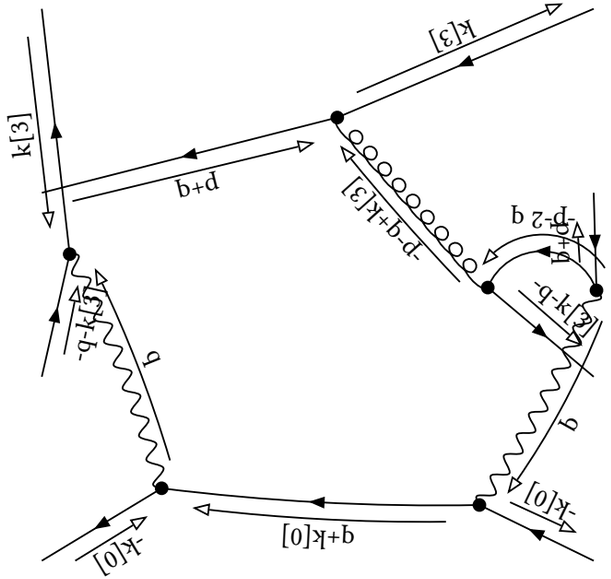
initial

Denominator:

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

Partial Fractioned Denominator:

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

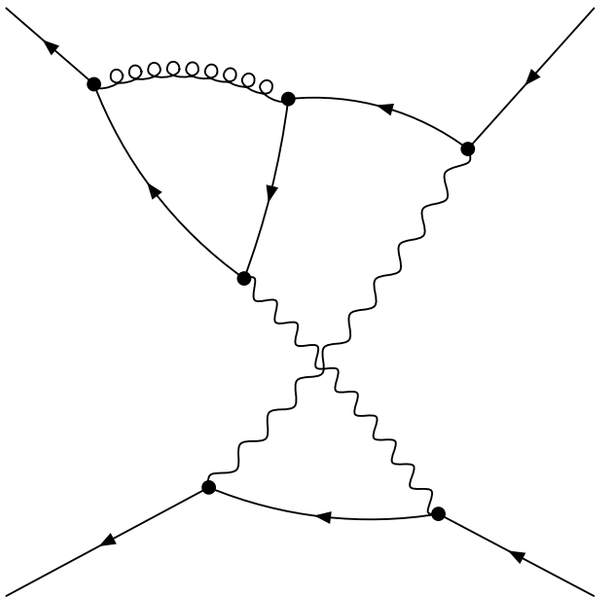


−3-8-13+14

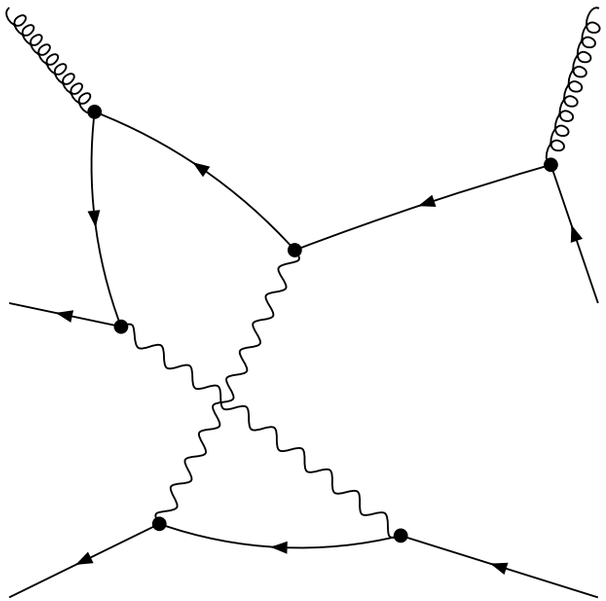
final

Denominator:

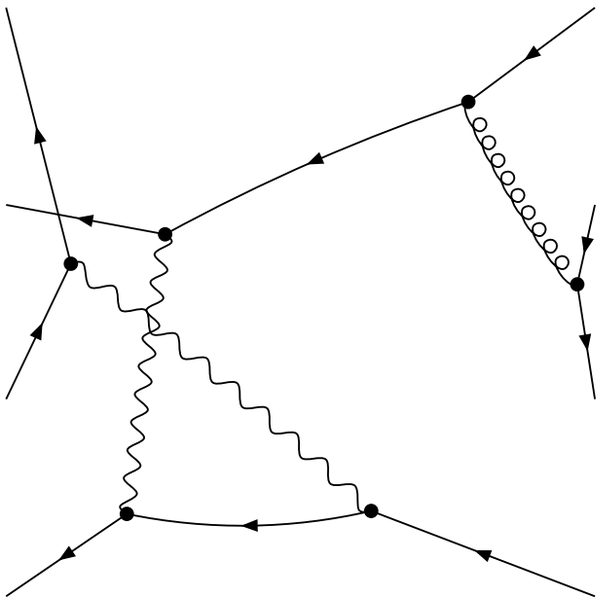
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p-q]^-1
```



−1-13



−1+14-17



−1-8-11+14

embedding 28 [1, 2, 1, 1]

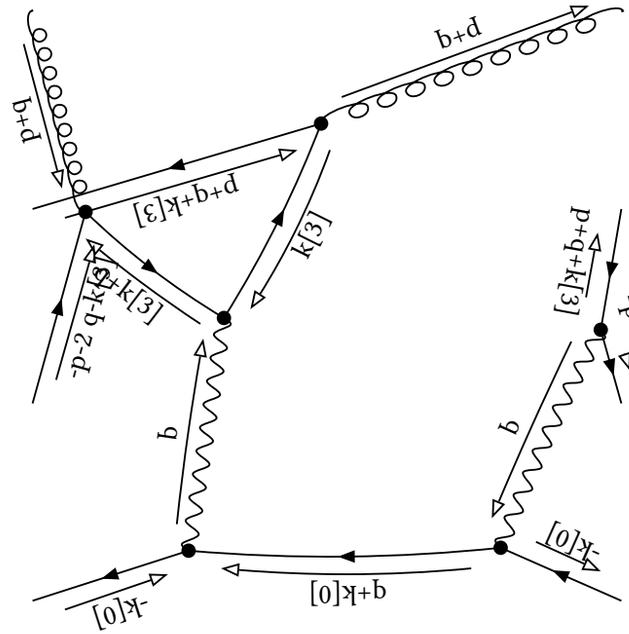
initial

Denominator:

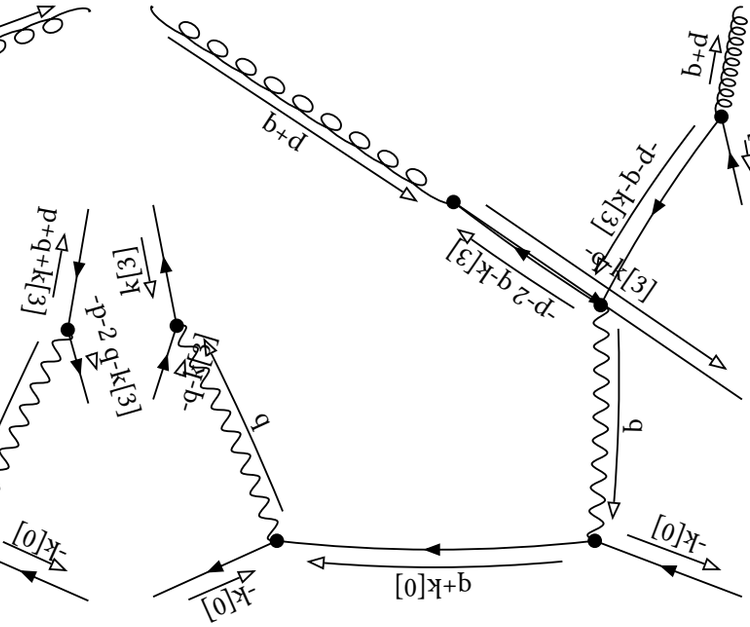
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q]^-1 prop[0,-p-q-k[3]]^-1 prop[0,-p-2 q-k[3]]^-1
```

Partial Fractioned Denominator:

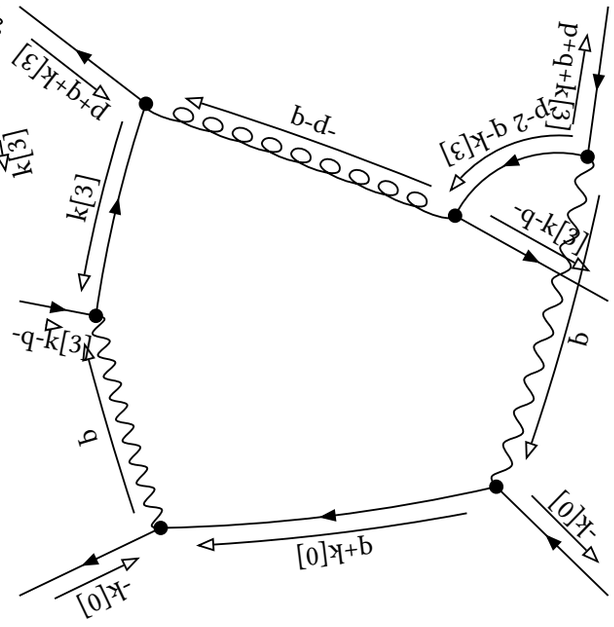
```
(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1
  -(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-2 q-k[3]]^-1
  -(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1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



−3+11-13-17



−3-8+14-17

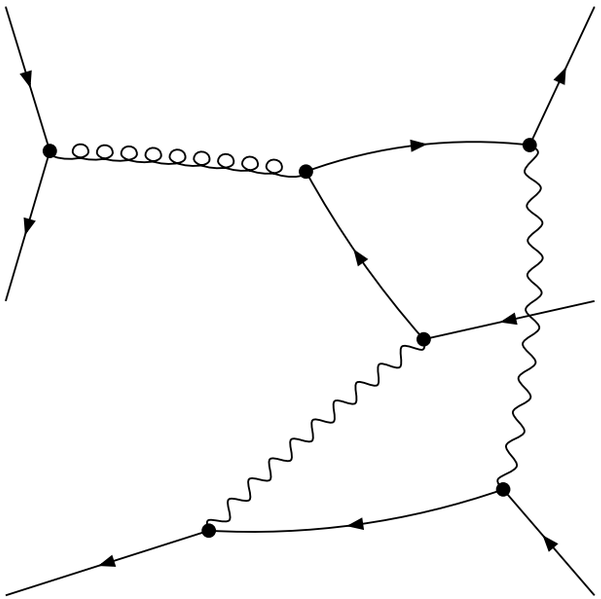


−3-8-13

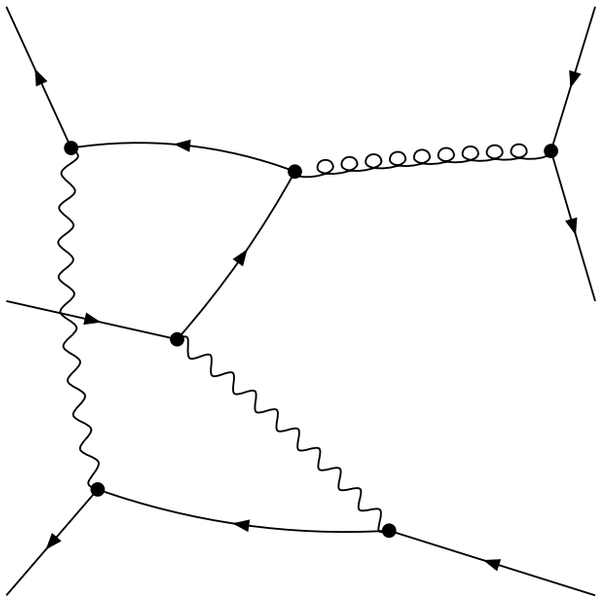
final

Denominator:

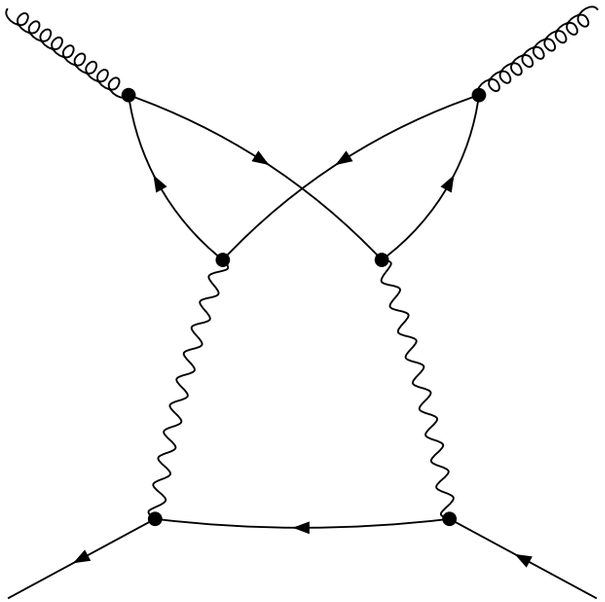
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1
```



−1-13-14



−1-8-11



−1-17

embedding 29 [1, 2, 1, 2]

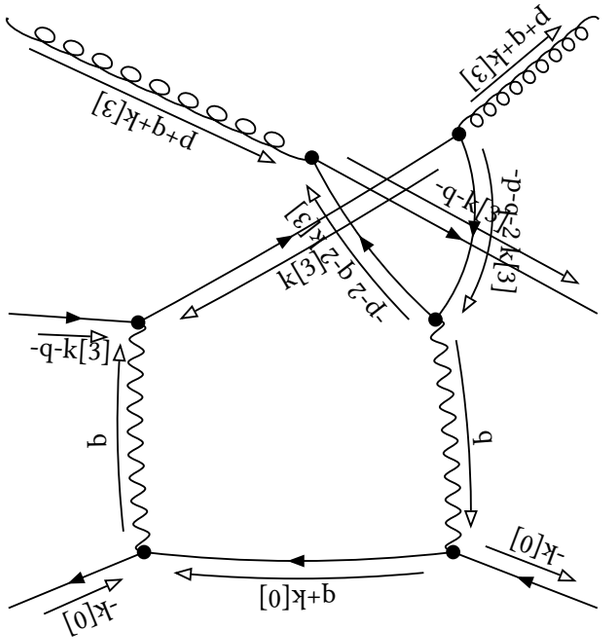
initial

Denominator:

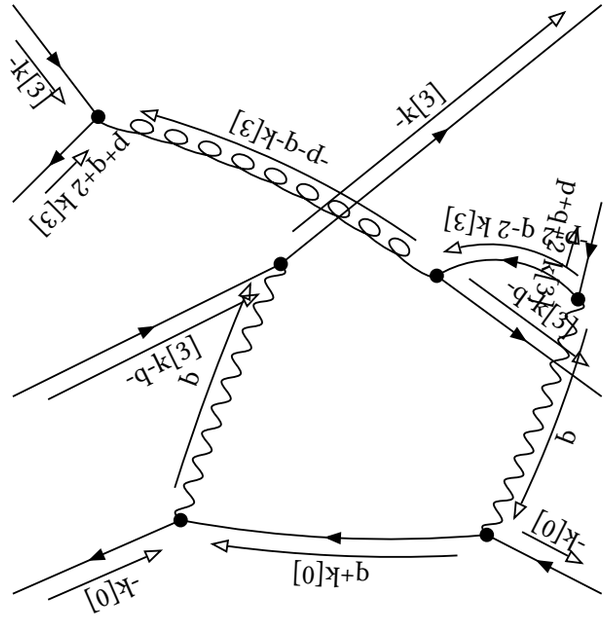
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1 prop[0,-p-q-2 k[3]]^-1 prop[0,-p-2 q-2 k[3]]^-1
```

Partial Fractioned Denominator:

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



−3-8-17

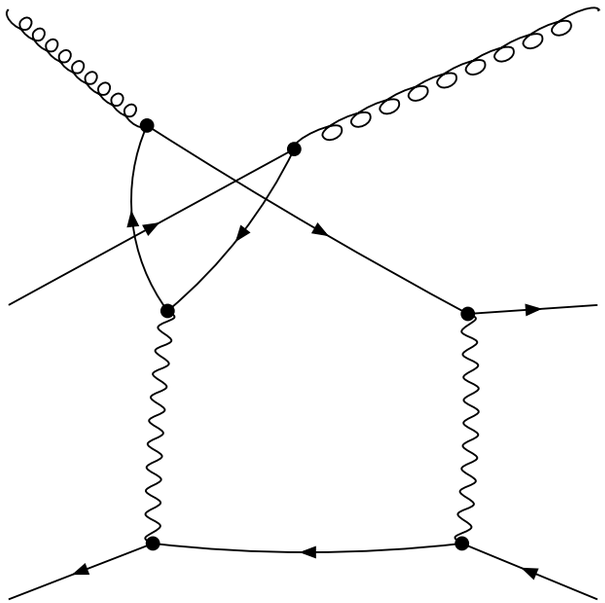


−3-8-13-14

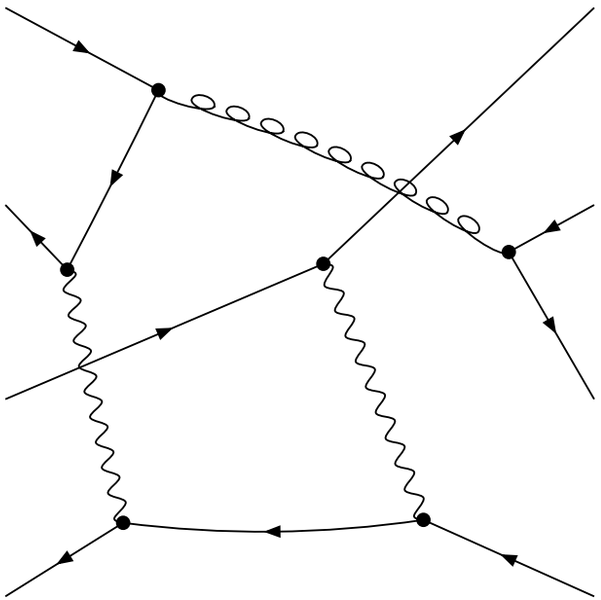
final

Denominator:

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



−1-14-17



−1-8-11-14

embedding 30 [1, 2, 2, 1]

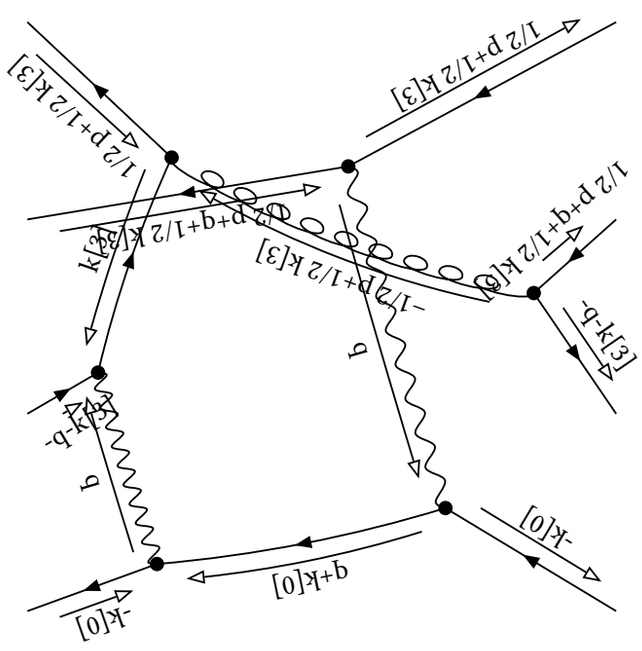
initial

Denominator:

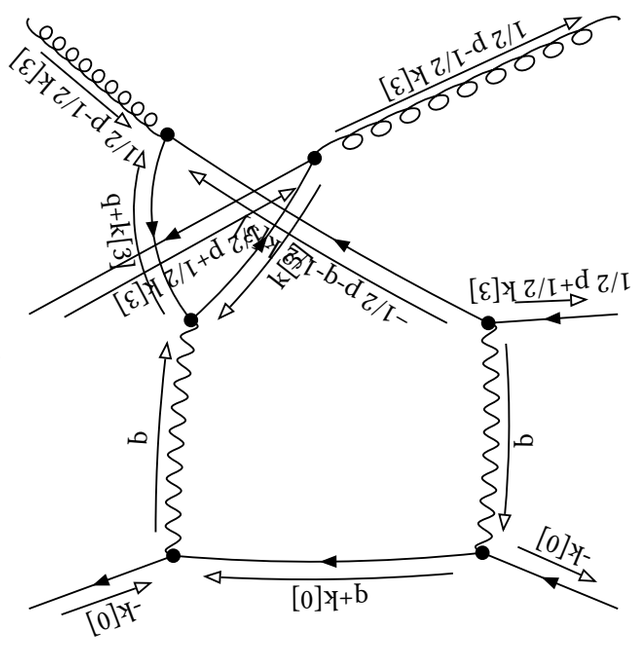
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-1 prop[0,-1/2 p-q-1/2 k[3]]^-1
```

Partial Fractioned Denominator:

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



−3-8-11-13

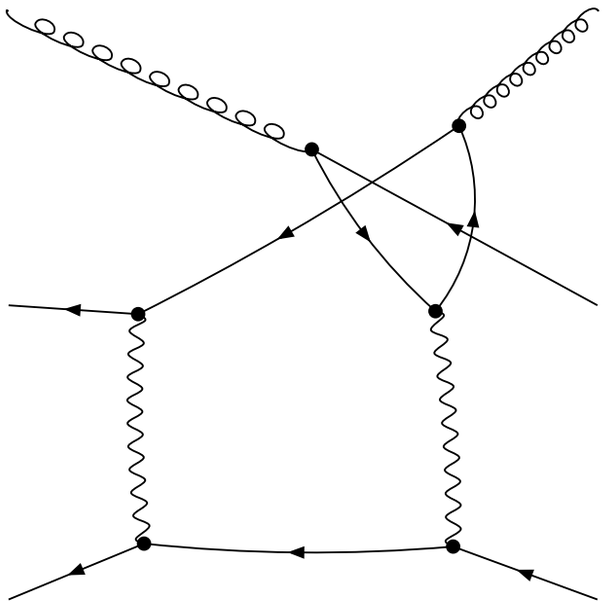


−3-13-17

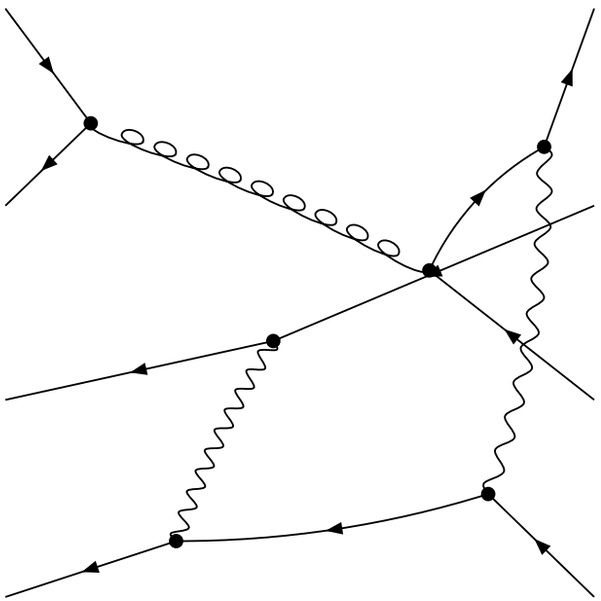
final

Denominator:

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



−1-11-17



−1-11-13-14