embedding 1 [1, −3, −2, −2]

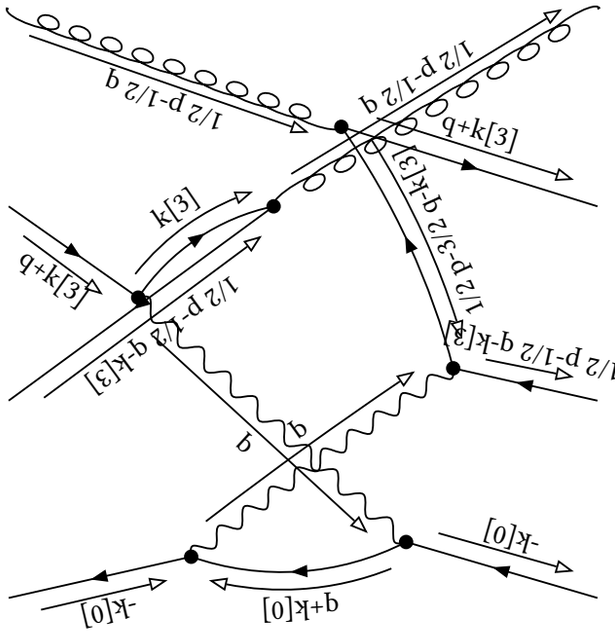
initial

Denominator:

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

Partial Fractioned Denominator:

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



−3+8+15+16

final

Denominator:

```
0
```

embedding 2 [1, −2, −3, −1]

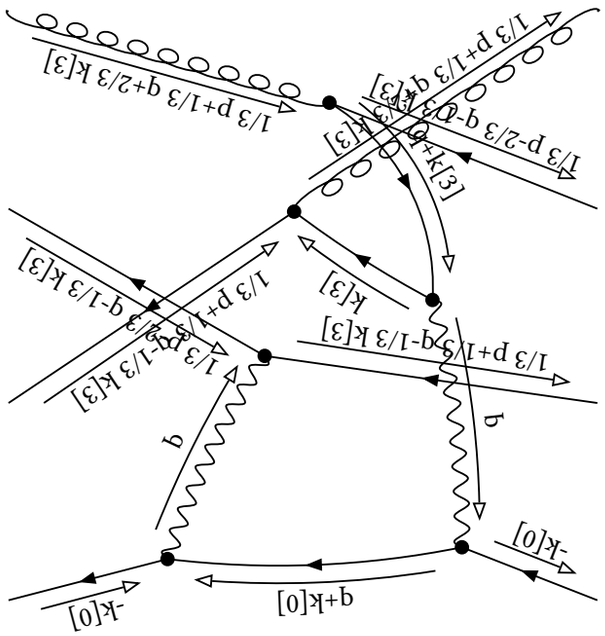
initial

Denominator:

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

Partial Fractioned Denominator:

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



−3+8+10+16

final

Denominator:

```
0
```

embedding 3 [1, −2, −2, −2]

initial

Denominator:

```
0
```

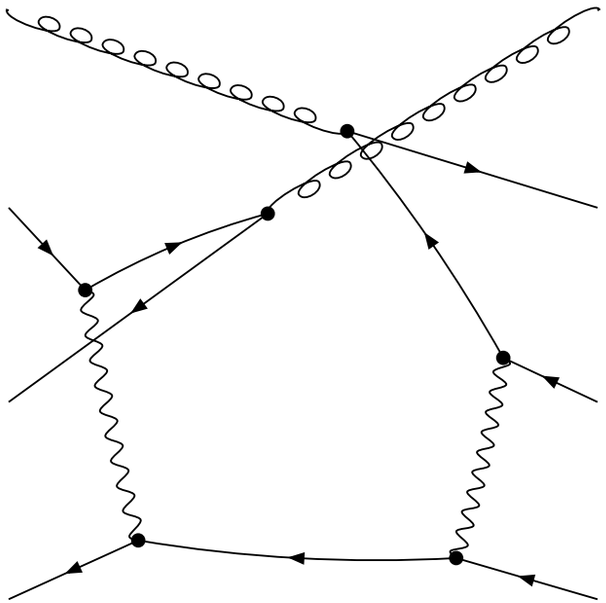
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1+8+15+16

embedding 4 [1, −2, −2, −1]

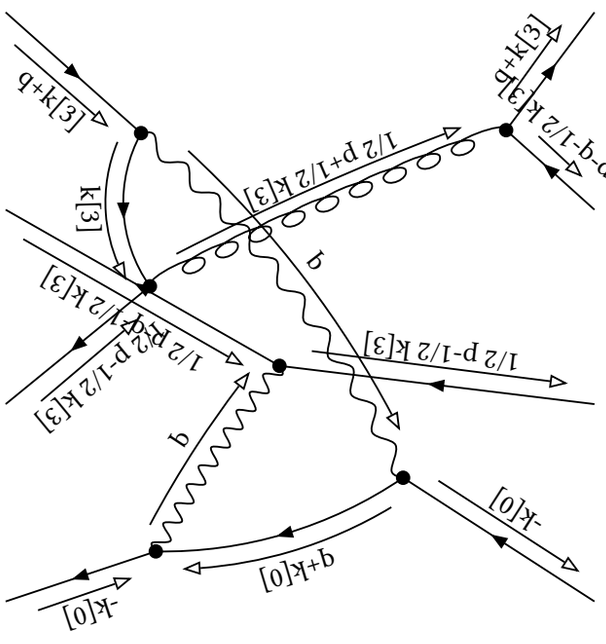
initial

Denominator:

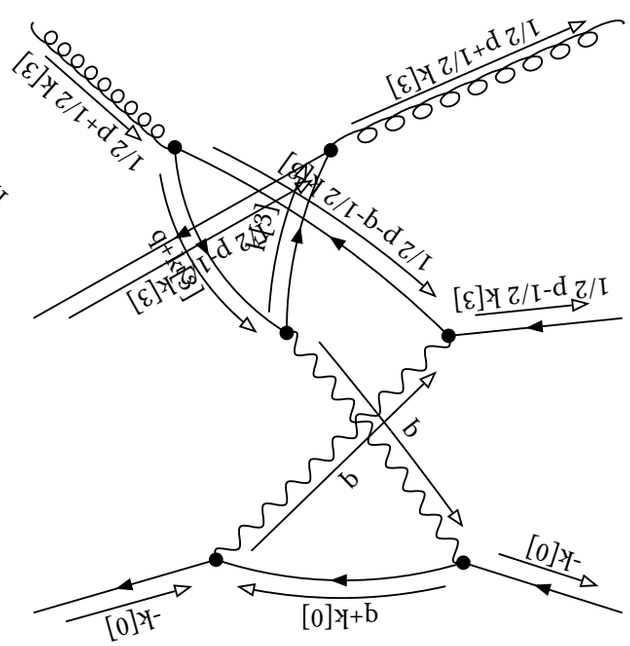
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 k[3]]^-1 prop[0,1/2 p-1/2 k[3]]^-1 prop[0,1/2 p-q-1/2 k[3]]^-1
```

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+10+15



−3+8+16

final

Denominator:

```
0
```

embedding 5 [1, −2, −1, −3]

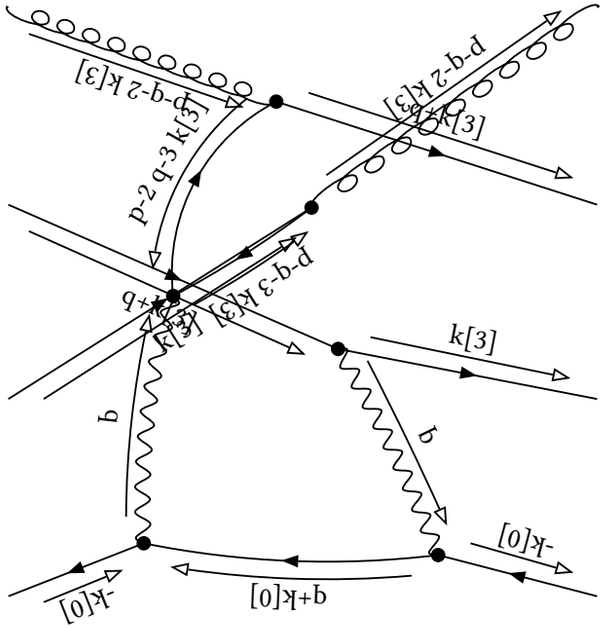
initial

Denominator:

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

Partial Fractioned Denominator:

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



−3+13+15+16

final

Denominator:

```
0
```

embedding 6 [1, −2, −1, −2]

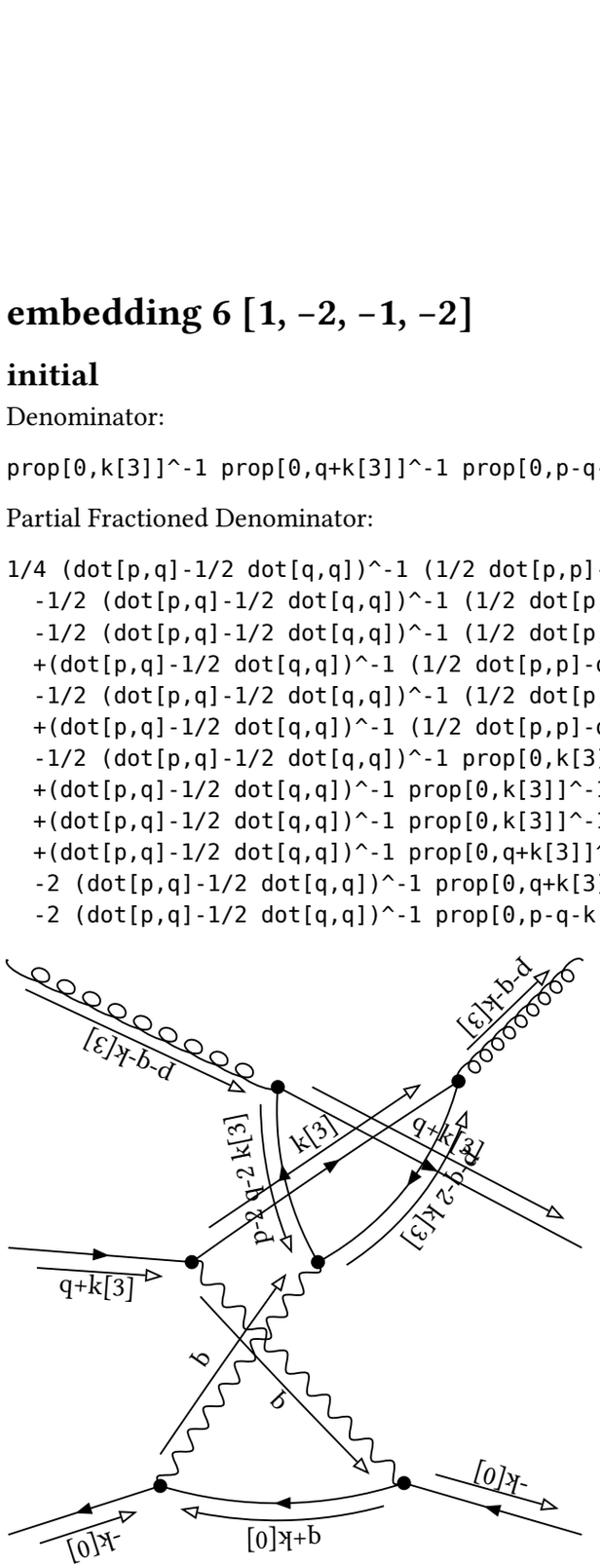
initial

Denominator:

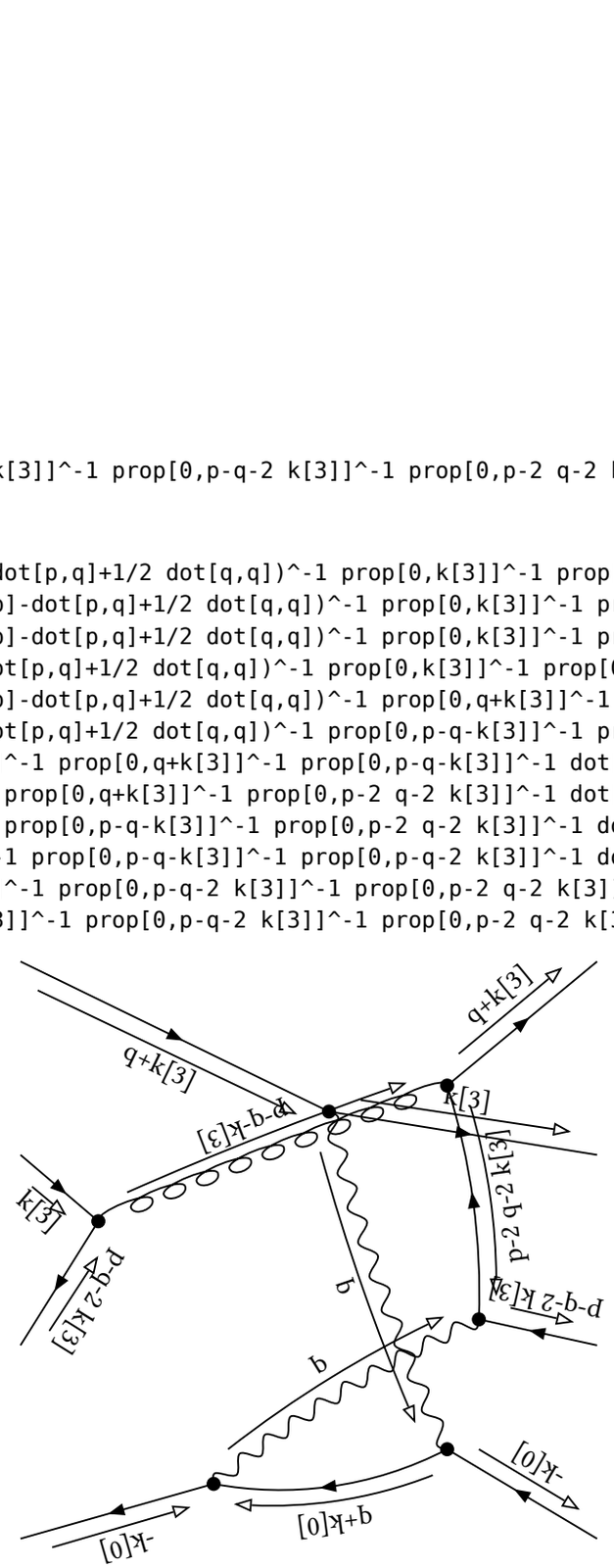
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q-k[3]]^-1 prop[0,p-q-2 k[3]]^-1 prop[0,p-2 q-2 k[3]]^-1
```

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+15+16



−3+8+13+15

final

Denominator:

```
0
```

embedding 7 [1, −2, −1, −1]

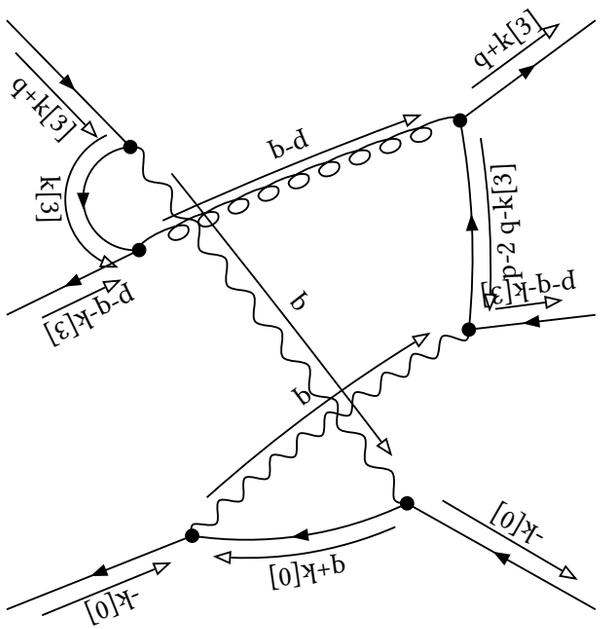
initial

Denominator:

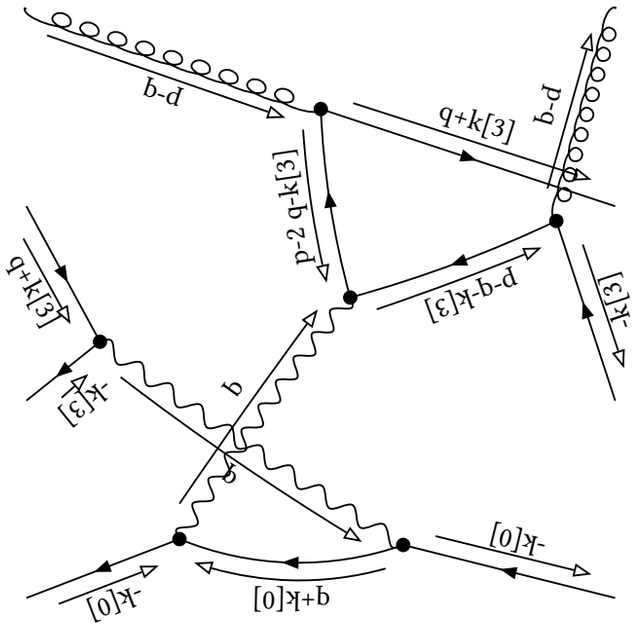
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1 prop[0,p-q-k[3]]^-1 prop[0,p-2 q-k[3]]^-1
```

Partial Fractioned Denominator:

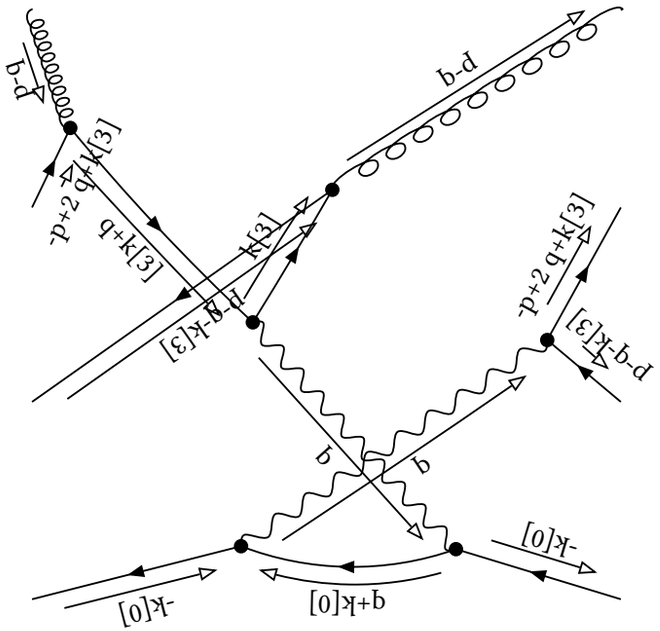
```
-(2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q-k[3]]^-1
  +(2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-2 q-k[3]]^-1
  +(2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1 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+8+15



−3-13+15+16



−3+8-10+16

final

Denominator:

```
0
```

embedding 8 [1, −2, −1, 0]

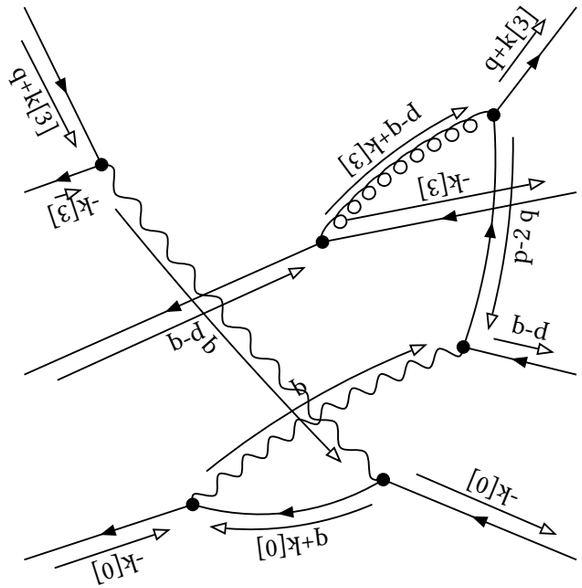
initial

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]-4 dot[p,q]+4 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
```



−3+8-13+15

final

Denominator:

```
0
```

embedding 9 [1, −2, 0, −1]

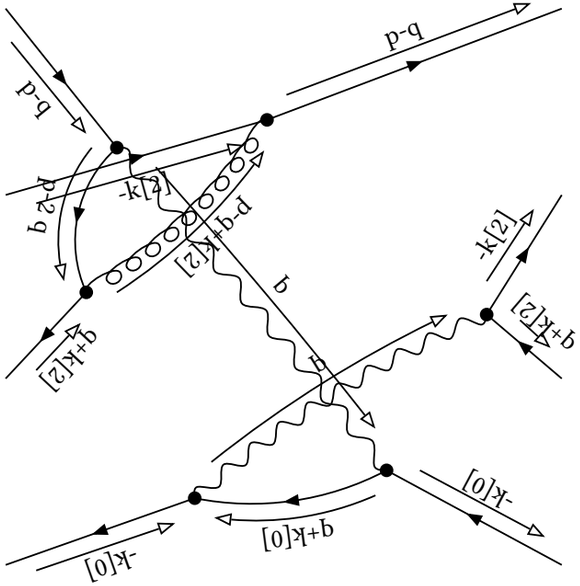
initial

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]-4 dot[p,q]+4 dot[q,q])^-1 (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
```



−3+8-10+15

final

Denominator:

```
0
```

embedding 10 [1, −1, −3, −1]

initial

Denominator:

```
0
```

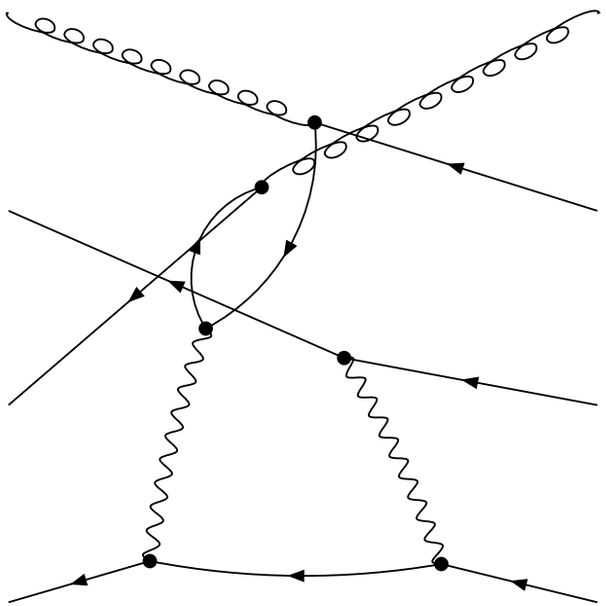
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1+8+10+16

embedding 11 [1, −1, −2, −2]

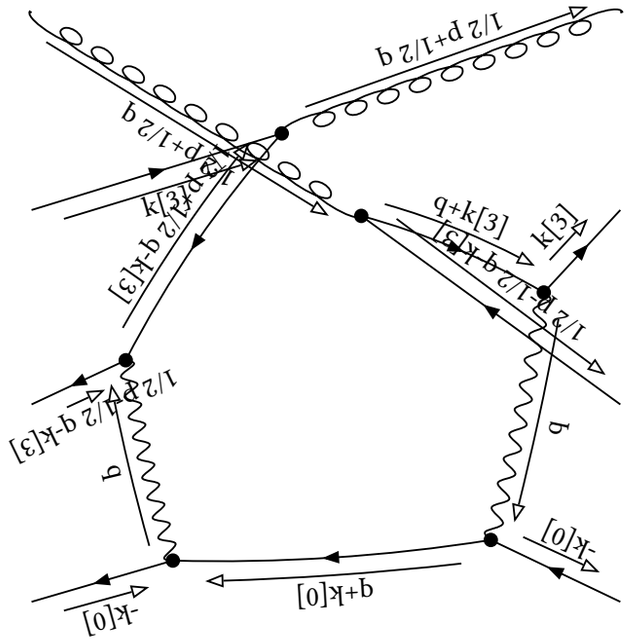
initial

Denominator:

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

Partial Fractioned Denominator:

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



−3+10+13+16

final

Denominator:

```
0
```

embedding 12 [1, −1, −2, −1]

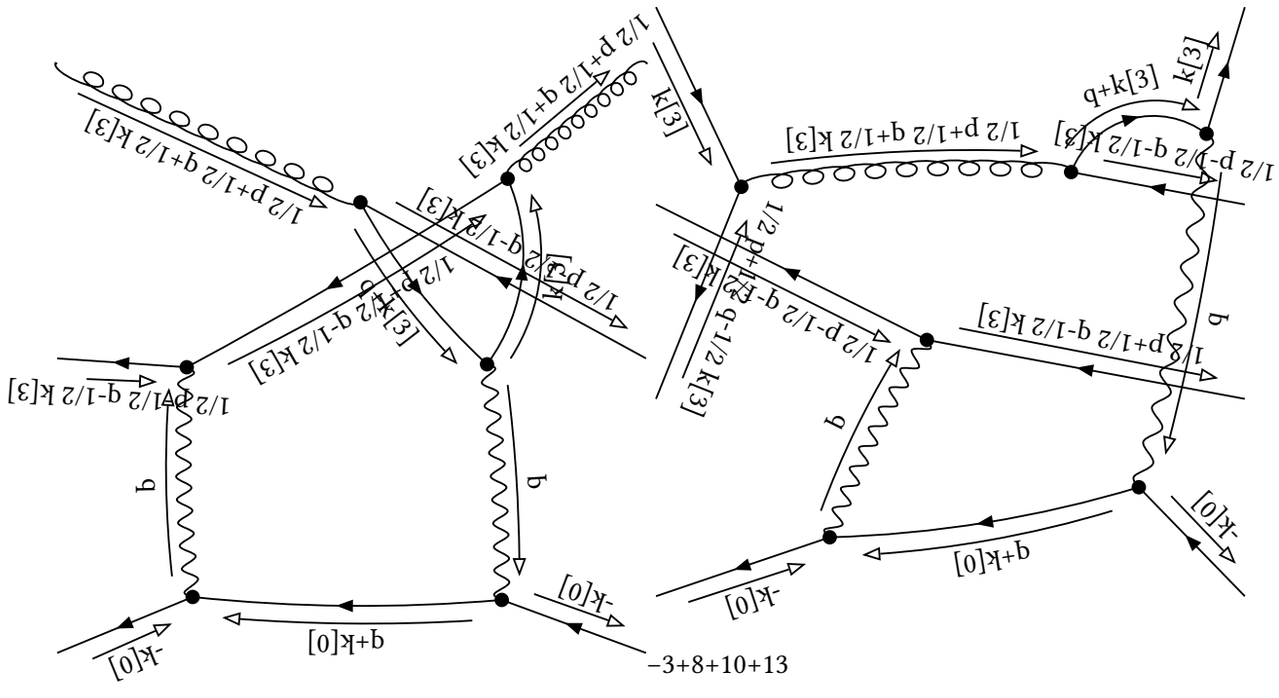
initial

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:

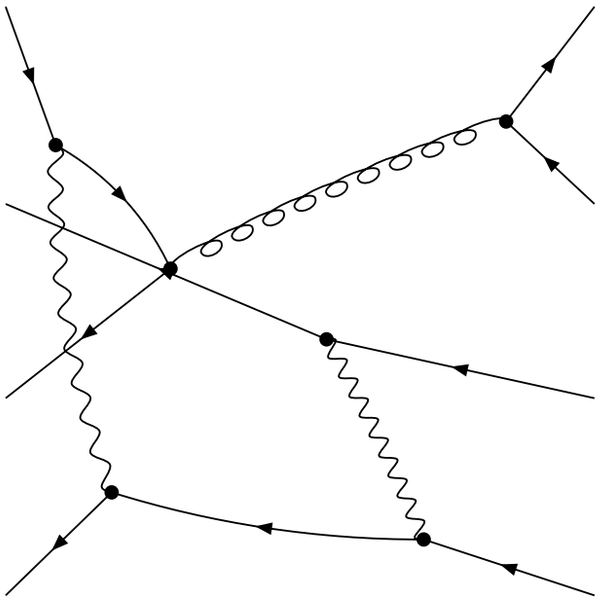
```
-2 (2 dot[p,q]+dot[q,q])^-1 (1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 q+1/2 k[3]]^-1
  -2 (2 dot[p,q]+dot[q,q])^-1 (1/2 dot[p,p]+dot[p,q]+1/2 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 q-1/2 k[3]]^-1
  +(2 dot[p,q]+dot[q,q])^-1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



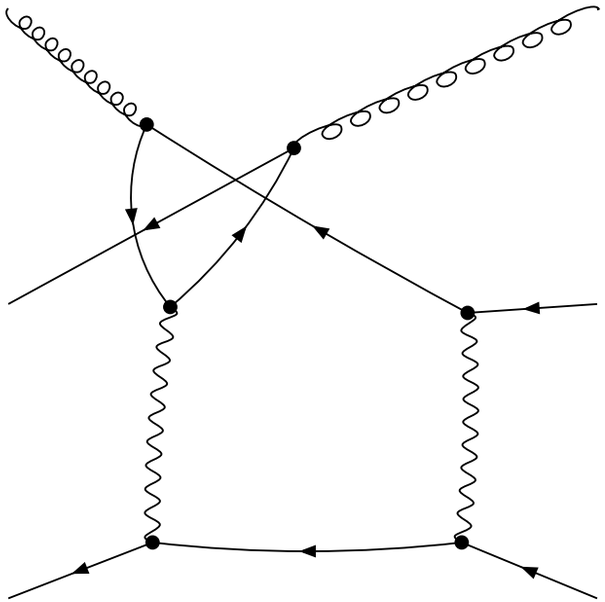
final

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+8+10+15



−1+8+16

embedding 13 [1, −1, −2, 0]

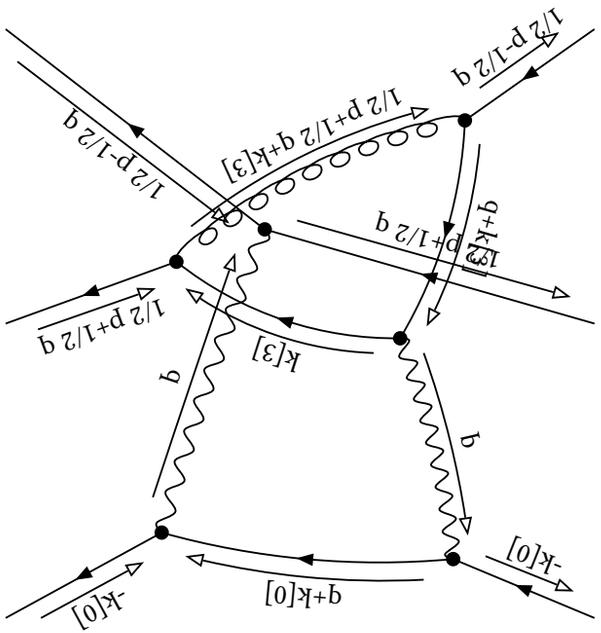
initial

Denominator:

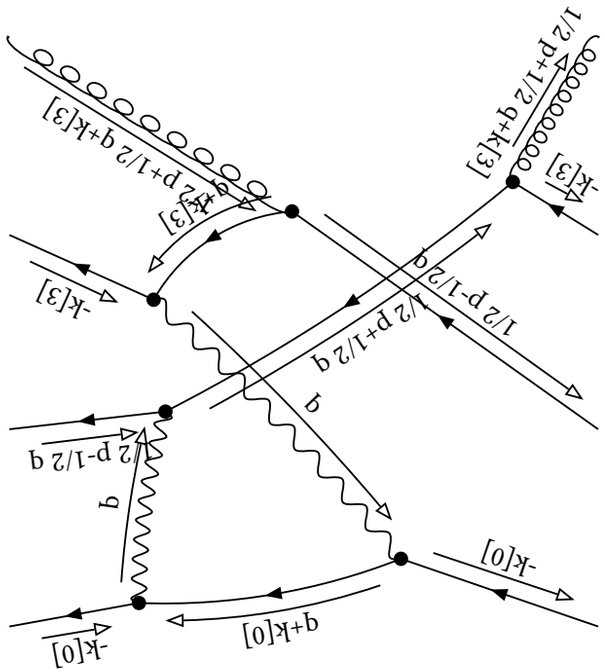
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 q]^-1 prop[0,1/2 p-1/2 q]^-1 prop[0,1/2 p+1/2 q+k[3]]^-1
```

Partial Fractioned Denominator:

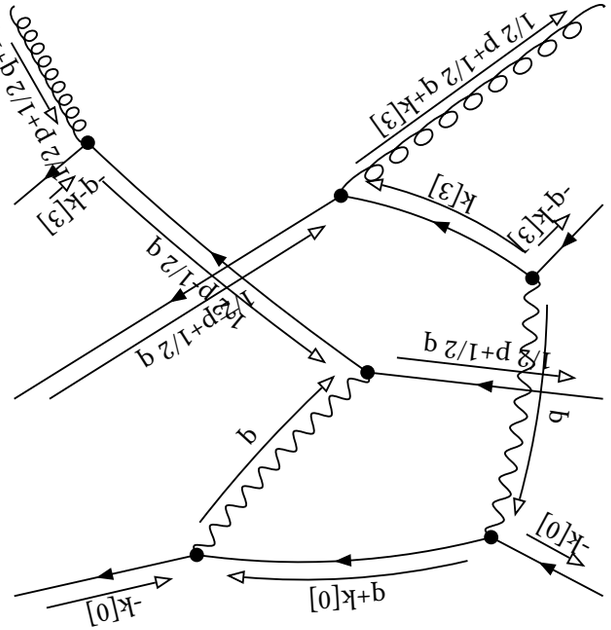
```
(1/4 dot[p,p]-1/2 dot[p,q]+1/4 dot[q,q])^-1 (1/4 dot[p,p]+1/2 dot[p,q]+1/4 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2
q+k[3]]^-1
```



−3+8+10



−3+10-13+16



−3+8-15+16

final

Denominator:

```
0
```

embedding 14 [1, −1, −2, 1]

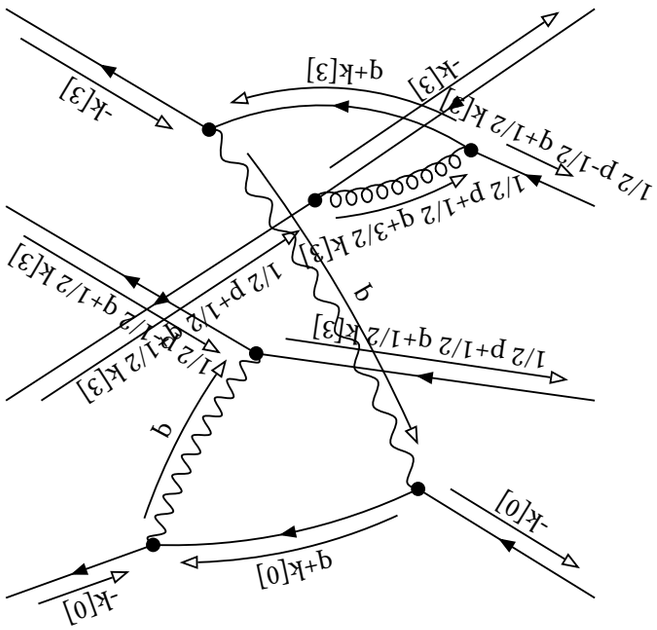
initial

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:

```
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
  +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
```



−3+8+10-13

final

Denominator:

```
0
```

embedding 15 [1, −1, −1, −3]

initial

Denominator:

```
0
```

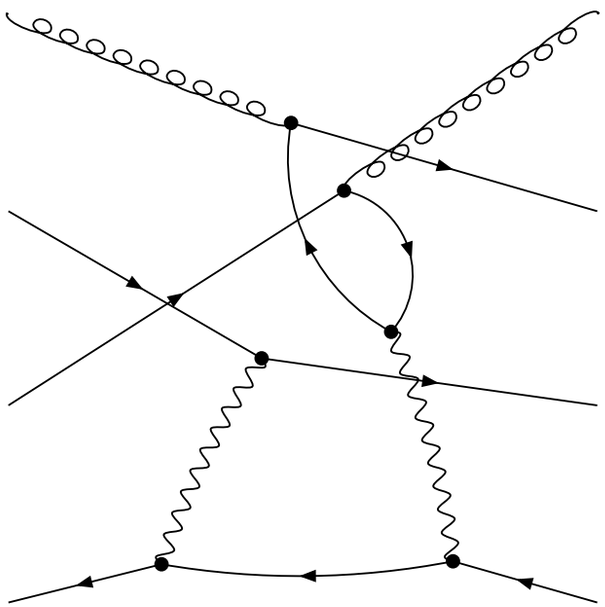
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1+13+15+16

embedding 16 [1, −1, −1, −2]

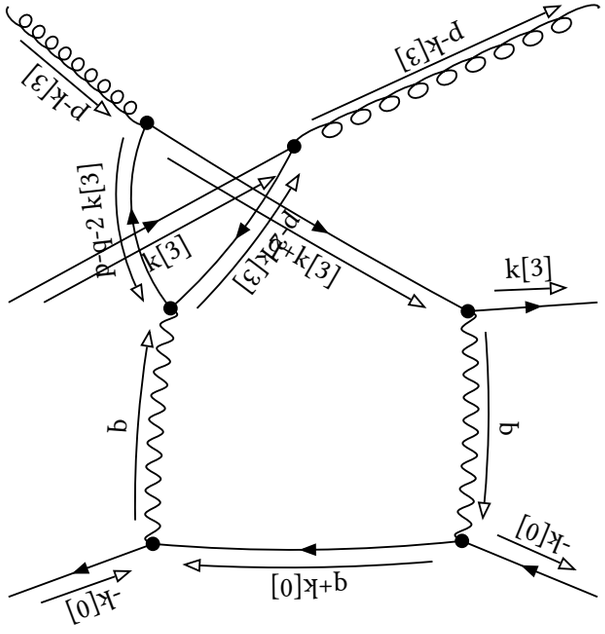
initial

Denominator:

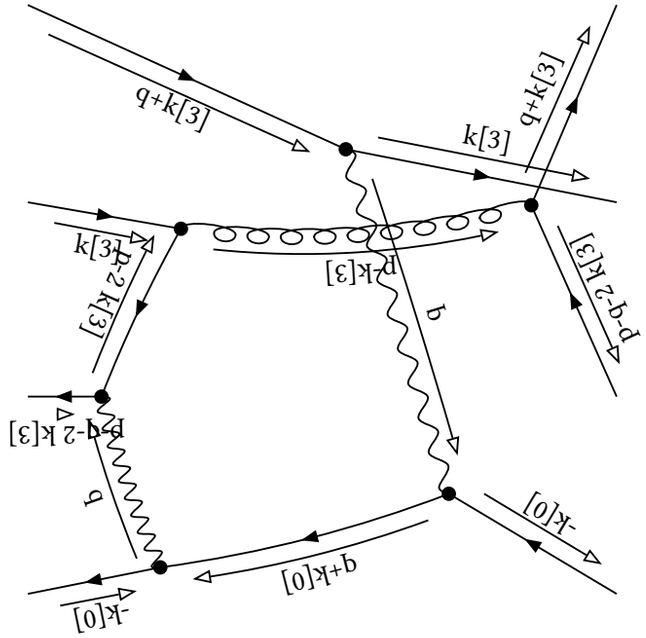
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-2 k[3]]^-1 prop[0,p-q-2 k[3]]^-1
```

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+13+16

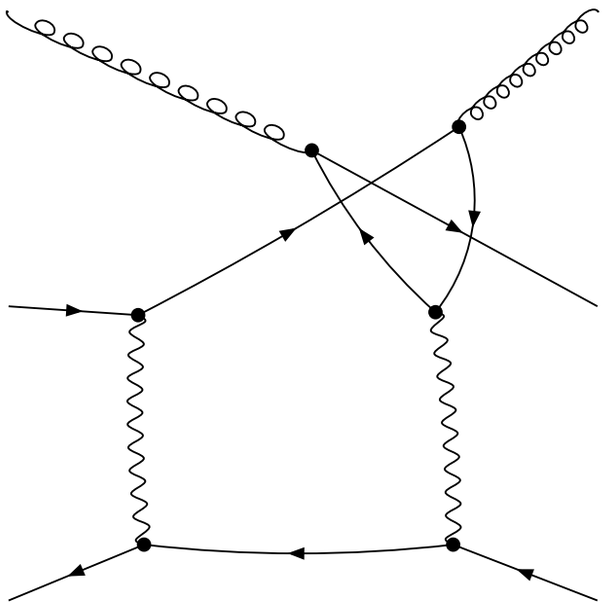


−3+10+13+15

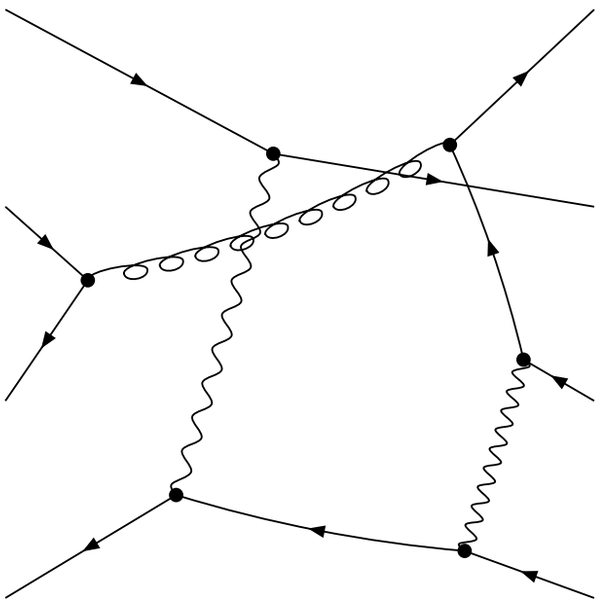
final

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+15+16



−1+8+13+15

embedding 17 [1, −1, −1, −1]

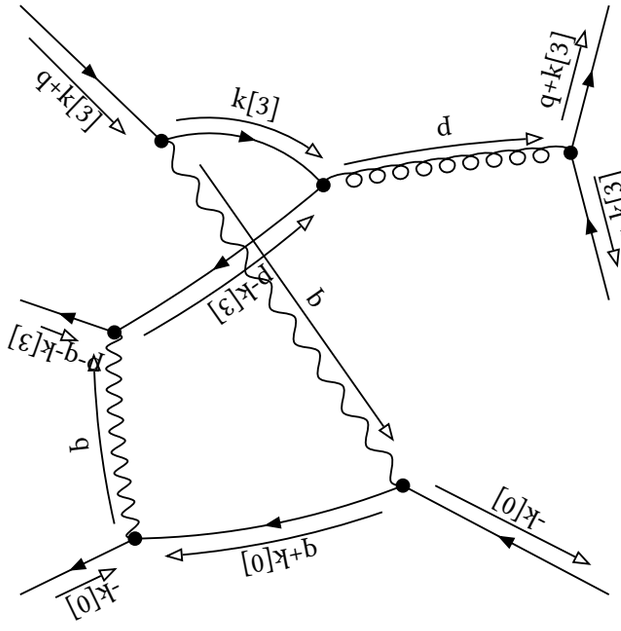
initial

Denominator:

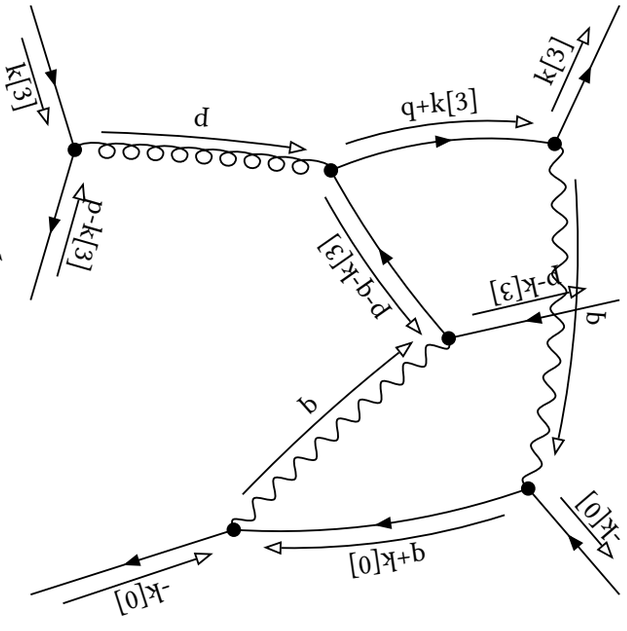
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1
```

Partial Fractioned Denominator:

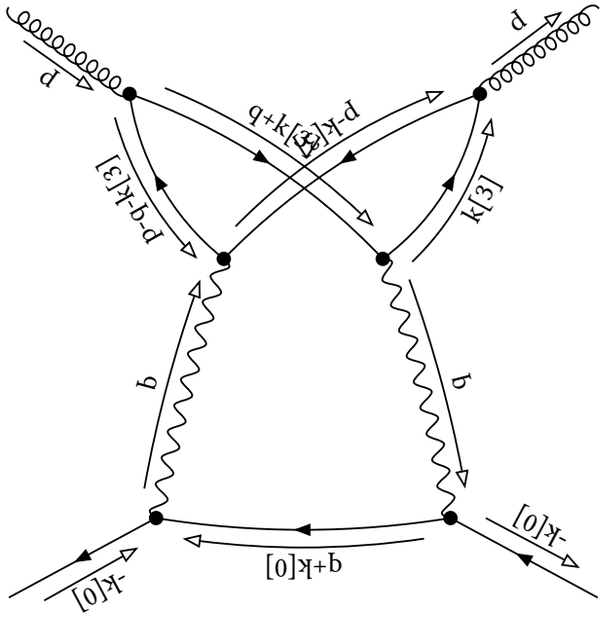
```
-1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1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



−3+10+15



−3+8+13

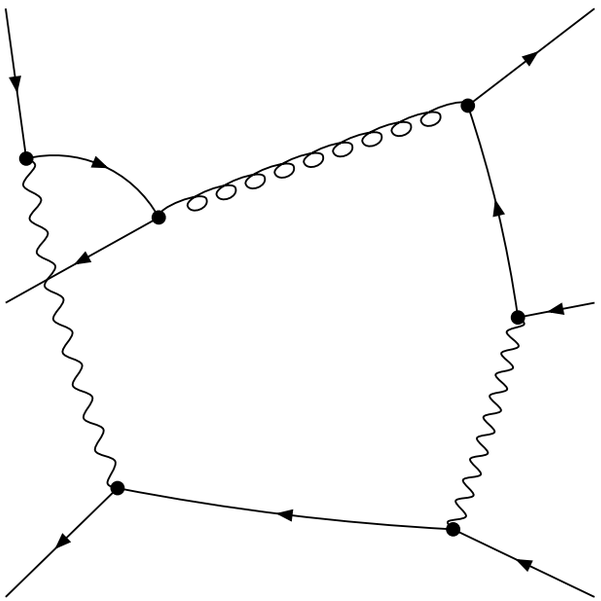


−3+16

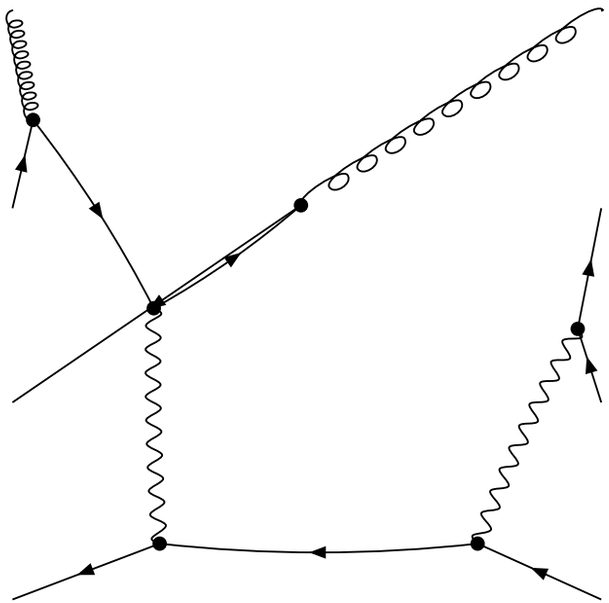
final

Denominator:

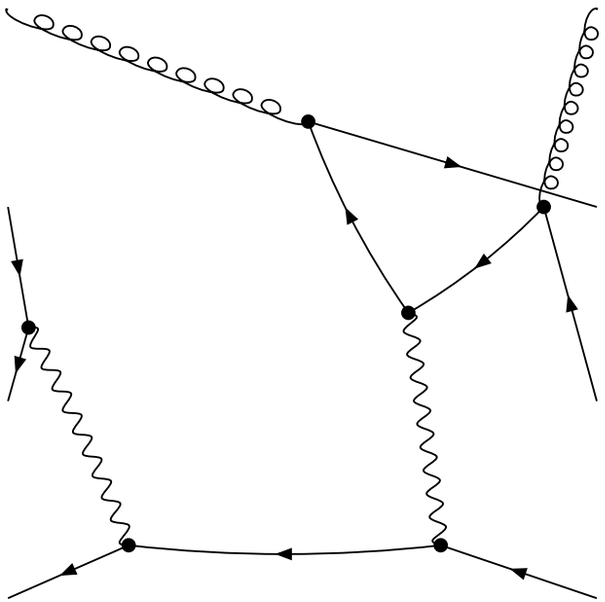
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1 prop[0,p-q-k[3]]^-1 prop[0,p-2 q-k[3]]^-1
```



−1+8+15



−1+8-10+16



−1-13+15+16

embedding 18 [1, −1, −1, 0]

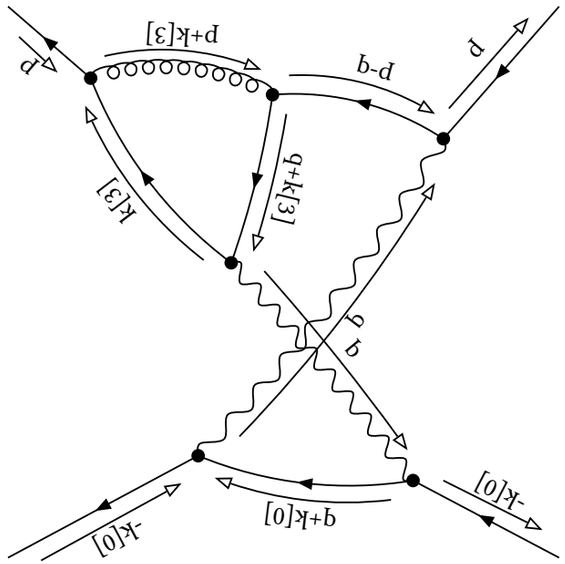
initial

Denominator:

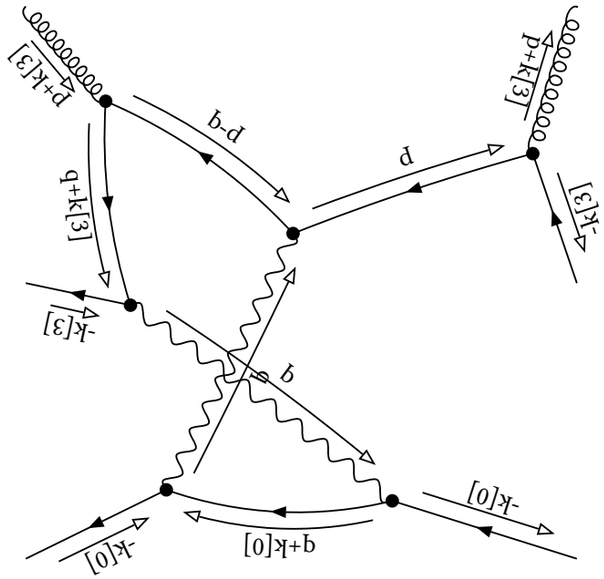
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1
```

Partial Fractioned Denominator:

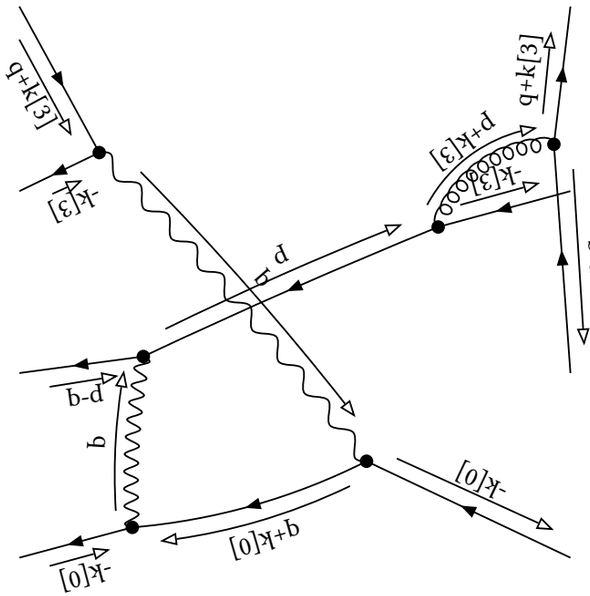
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 dot[p,p]^-1
```



−3+8



−3-13+16

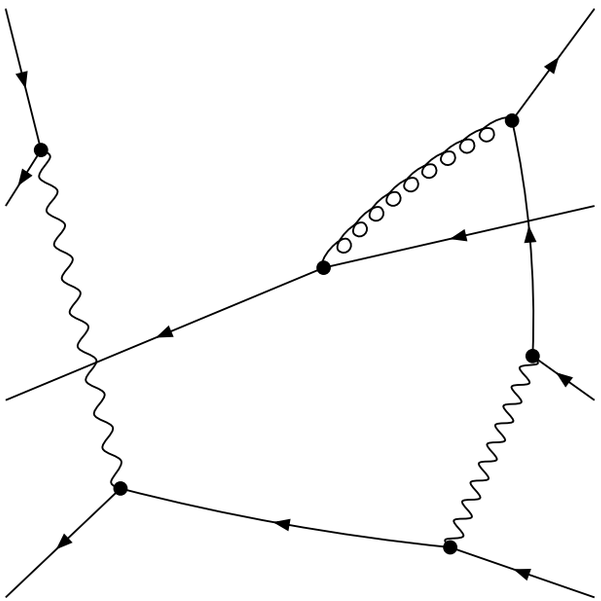


−3+10-13+15

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+15

embedding 19 [1, −1, −1, 1]

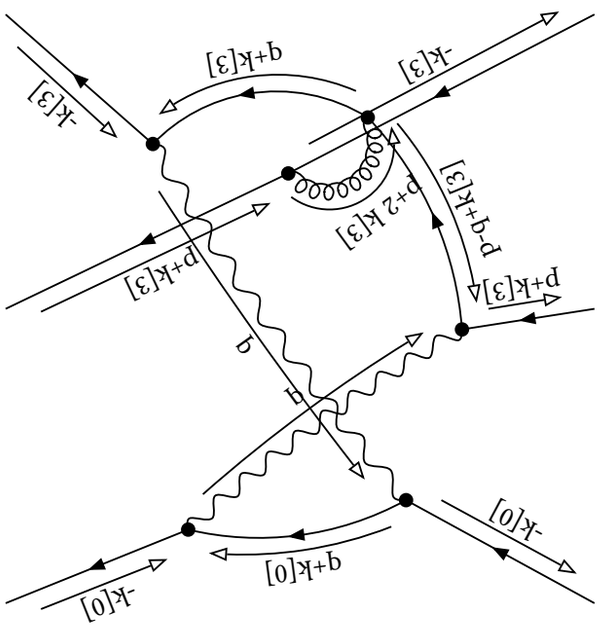
initial

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
```

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,p+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,p+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,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,p+k[3]]^-1 prop[0,q+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,q+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,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,p+k[3]]^-1 prop[0,q+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+8-13

final

Denominator:

```
0
```

embedding 20 [1, −1, 0, −2]

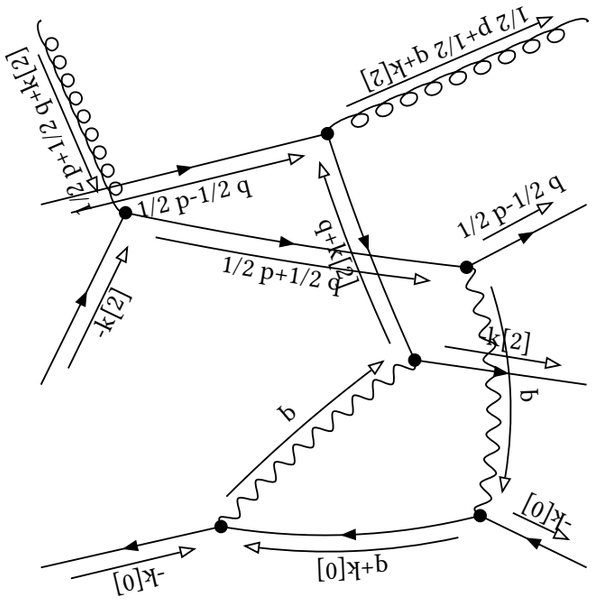
initial

Denominator:

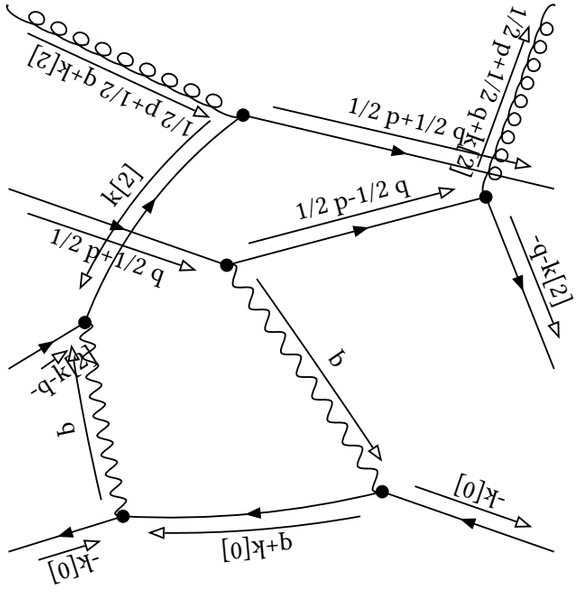
```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,1/2 p+1/2 q]^-1 prop[0,1/2 p-1/2 q]^-1 prop[0,1/2 p+1/2 q+k[2]]^-1
```

Partial Fractioned Denominator:

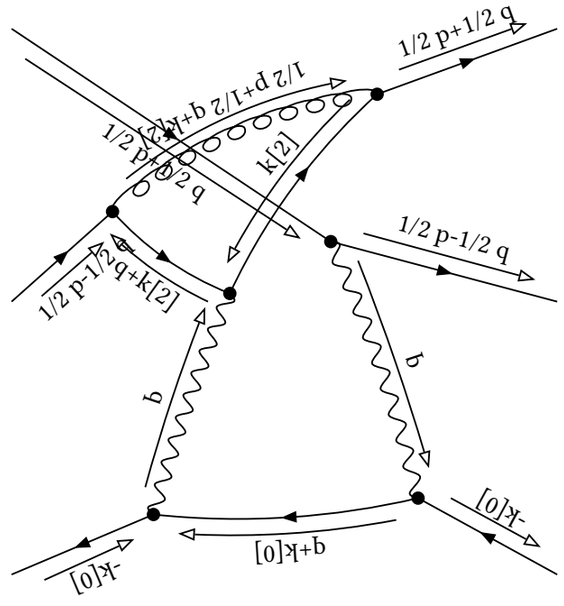
```
(1/4 dot[p,p]-1/2 dot[p,q]+1/4 dot[q,q])^-1 (1/4 dot[p,p]+1/2 dot[p,q]+1/4 dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,1/2 p+1/2
q+k[2]]^-1
```



−3-10+13+16



−3-8+15+16



−3+13+15

final

Denominator:

```
0
```

embedding 21 [1, −1, 0, −1]

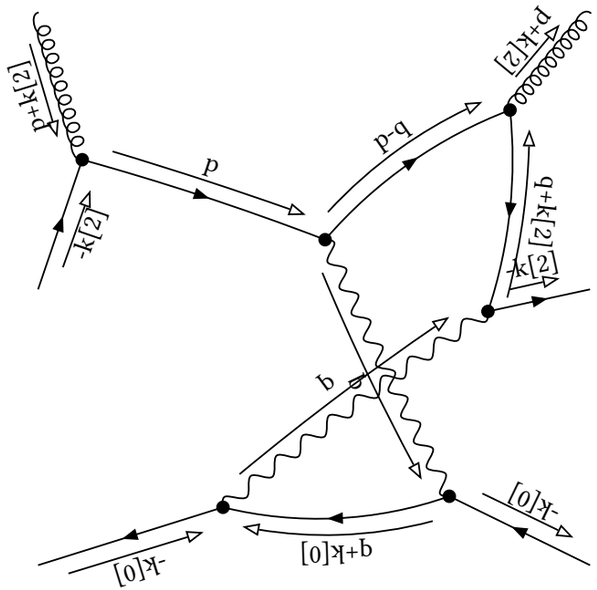
initial

Denominator:

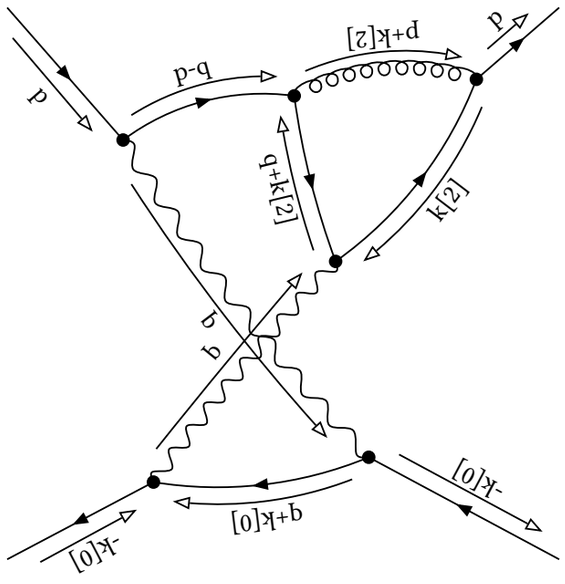
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,p-q]^-1
```

Partial Fractioned Denominator:

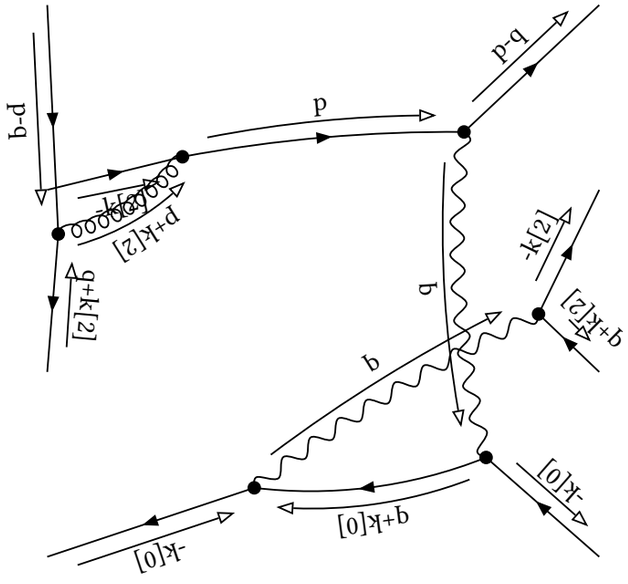
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 dot[p,p]^-1
```



−3-10+16



−3+15

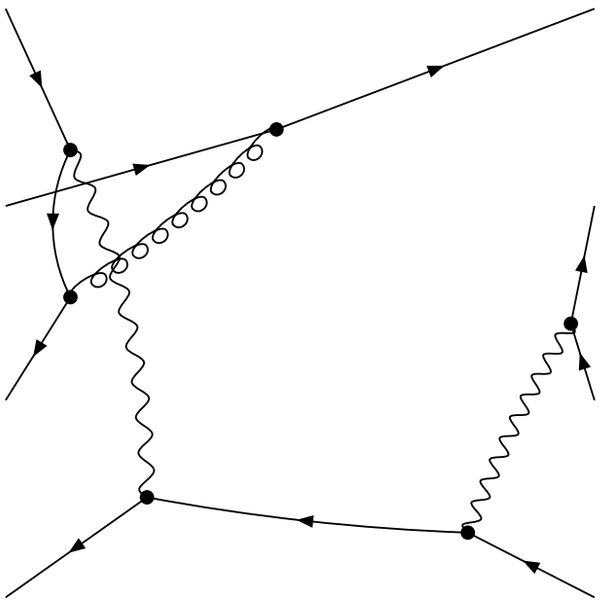


−3+8-10+13

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+8-10+15

embedding 22 [1, −1, 0, 0]

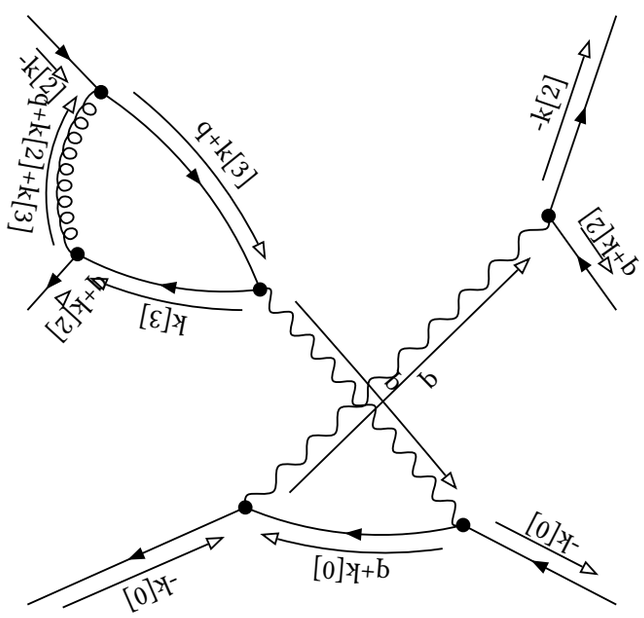
initial

Denominator:

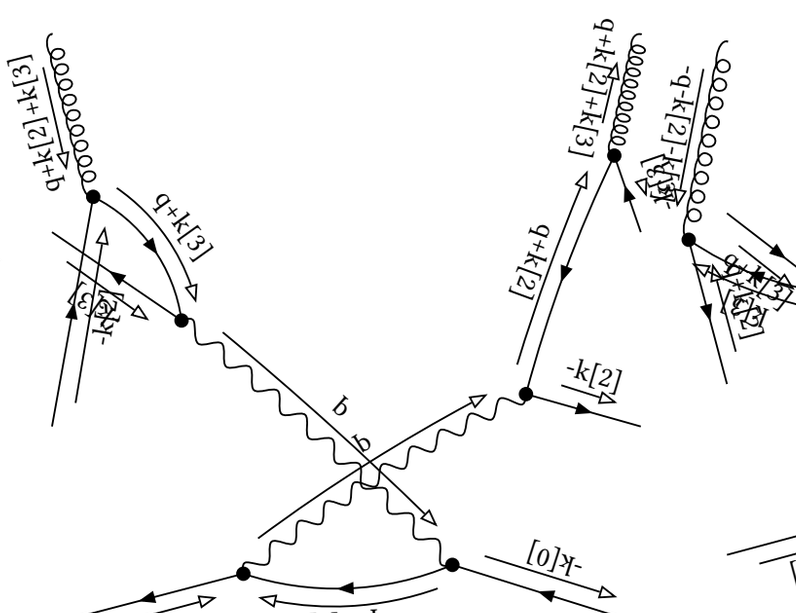
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```

Partial Fractioned Denominator:

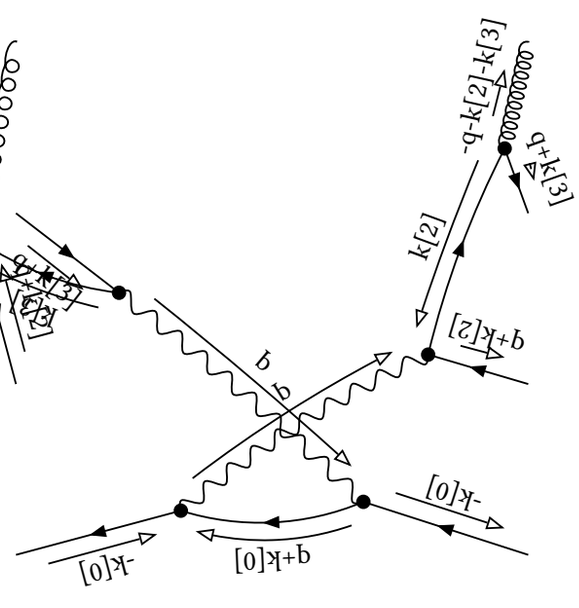
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



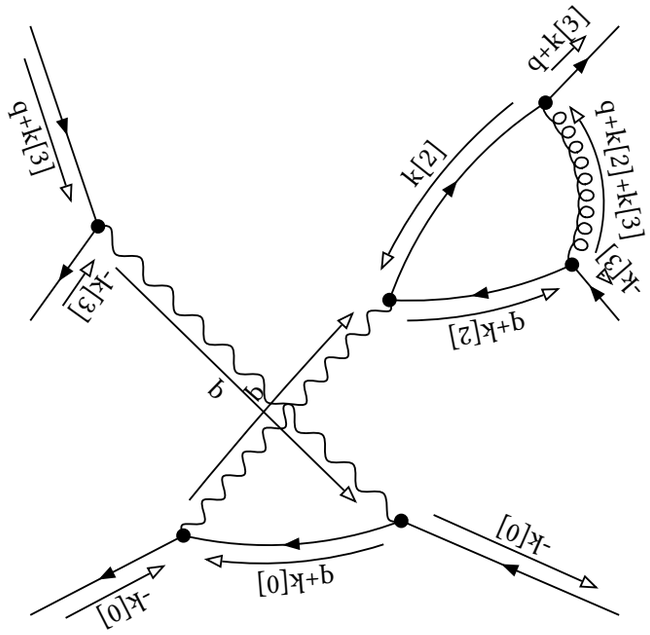
−3+8-10



−3+8+15-16



−3-10-13+16



−3-13+15

final

Denominator:

```
0
```

embedding 23 [1, −1, 0, 1]

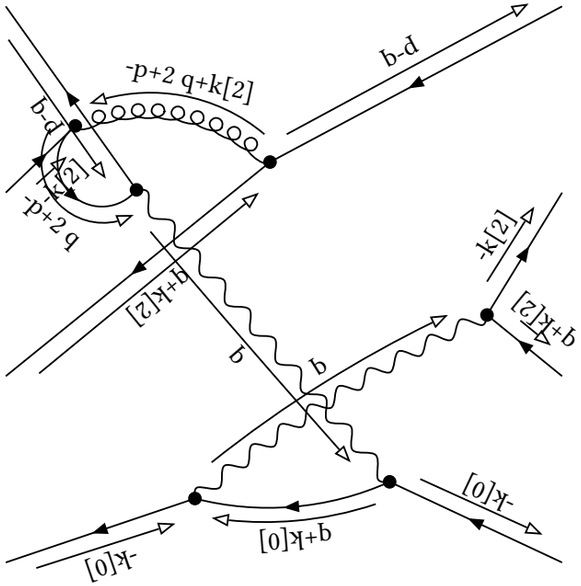
initial

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+2 q+k[2]]^-1
```

Partial Fractioned Denominator:

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



−3+8-10-13

final

Denominator:

```
0
```

embedding 24 [1, −1, 1, −2]

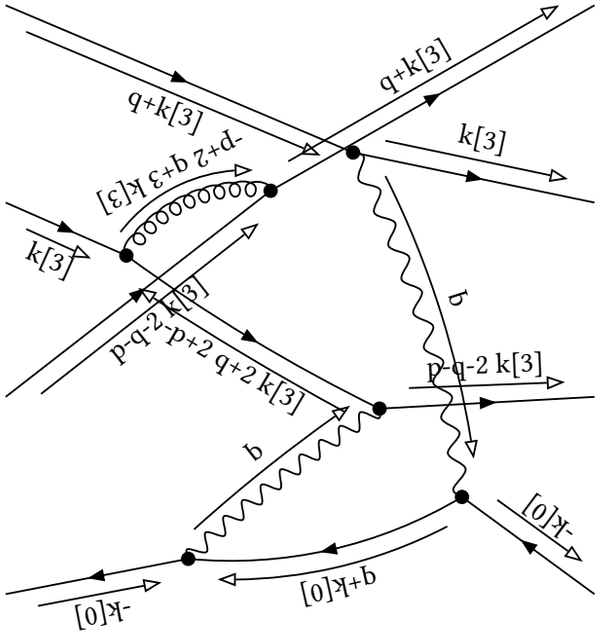
initial

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]-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
  +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
```



−3-10+13+15

final

Denominator:

```
0
```

embedding 25 [1, −1, 1, −1]

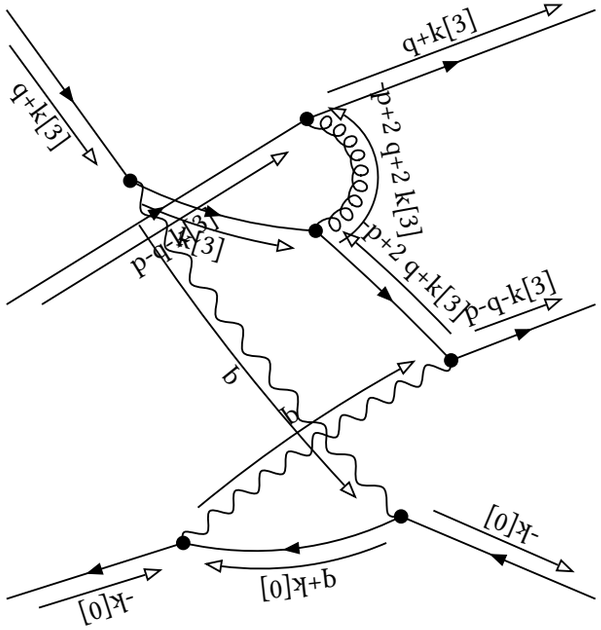
initial

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
```



−3-10+15

final

Denominator:

```
0
```

embedding 26 [1, −1, 1, 0]

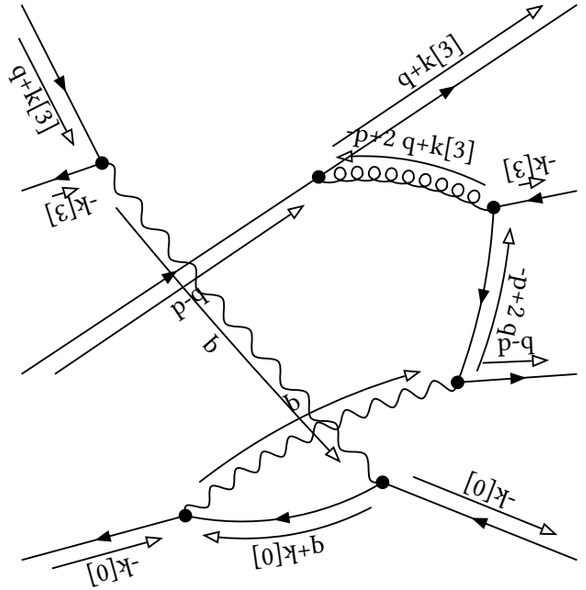
initial

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+2 q+k[3]]^-1
```

Partial Fractioned Denominator:

```
(dot[p,p]-4 dot[p,q]+4 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
```



−3-10-13+15

final

Denominator:

```
0
```

embedding 27 [1, 0, −2, −2]

initial

Denominator:

```
0
```

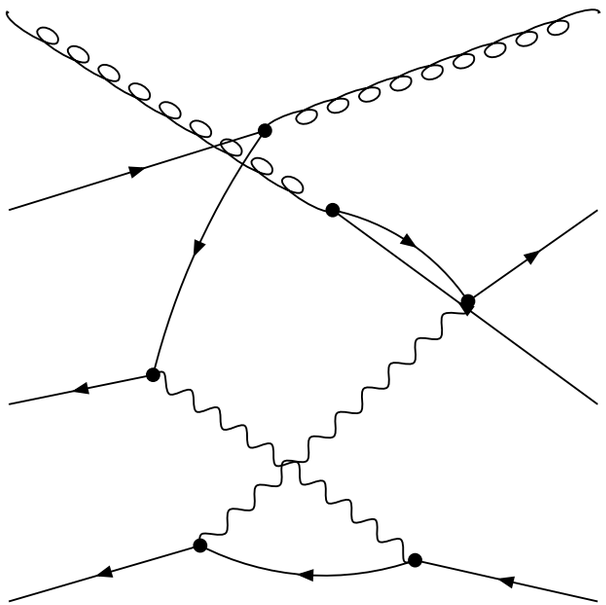
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1+10+13+16

embedding 28 [1, 0, −2, −1]

initial

Denominator:

```
0
```

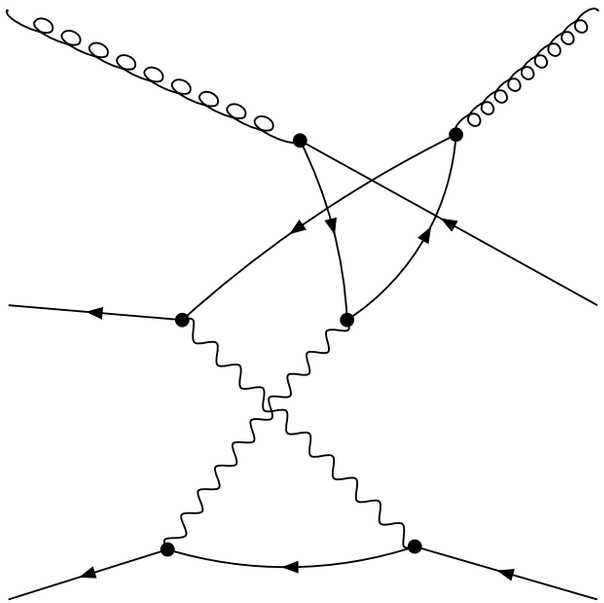
Partial Fractioned Denominator:

```
0
```

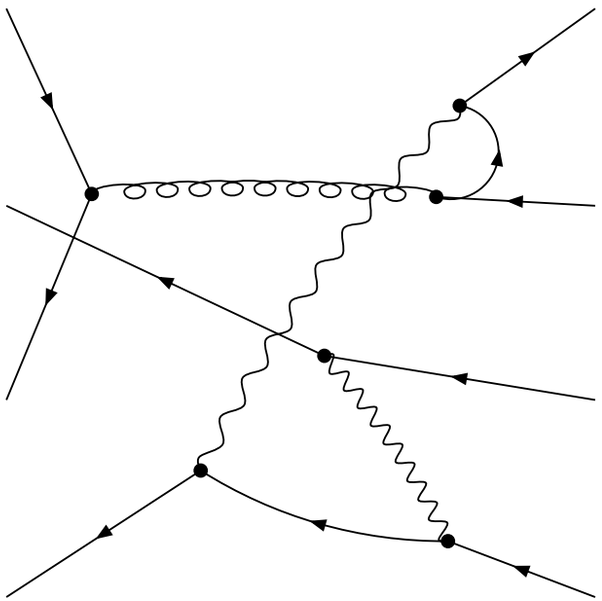
final

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+10+16



−1+8+10+13

embedding 29 [1, 0, −2, 0]

initial

Denominator:

```
0
```

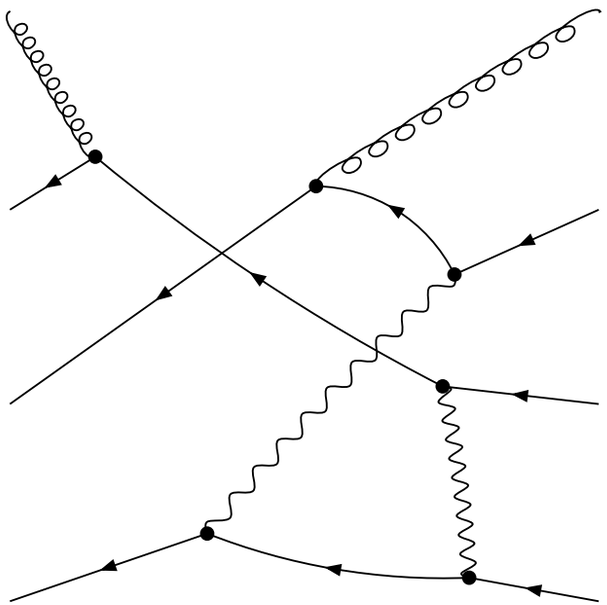
Partial Fractioned Denominator:

```
0
```

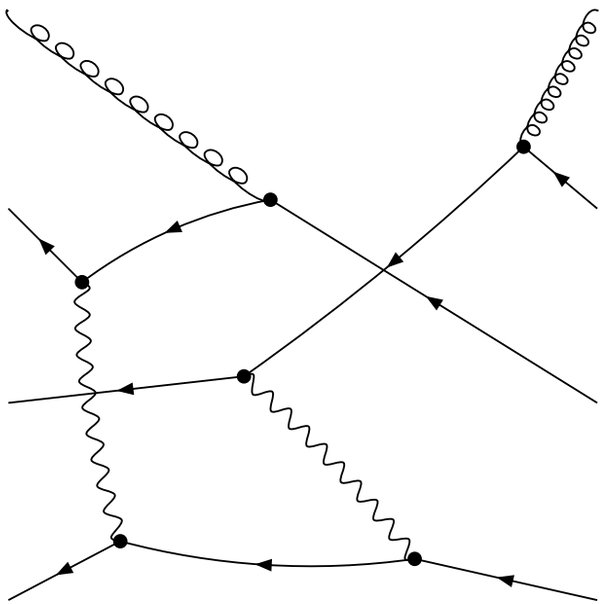
final

Denominator:

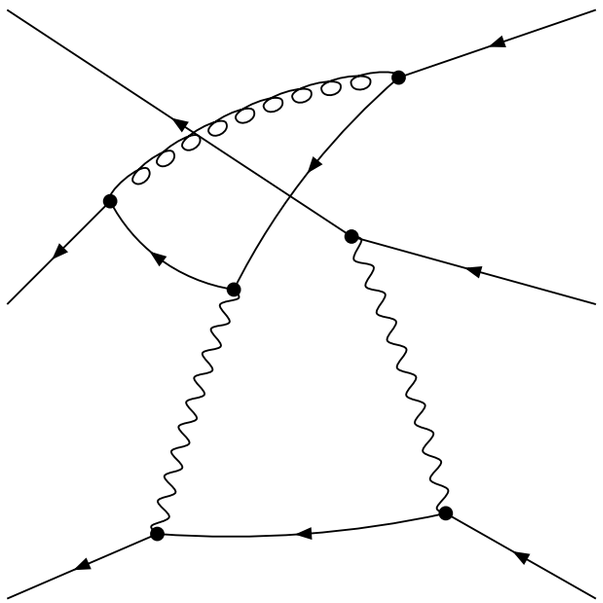
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,1/2 p+1/2 q]^-1 prop[0,1/2 p-1/2 q]^-1 prop[0,1/2 p+1/2 q+k[3]]^-1
```



−1+8-15+16



−1+10-13+16



−1+8+10

embedding 30 [1, 0, −2, 1]

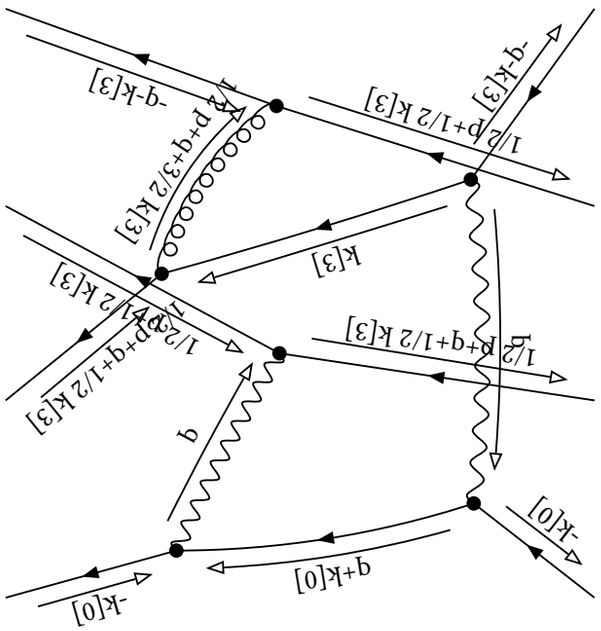
initial

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
```

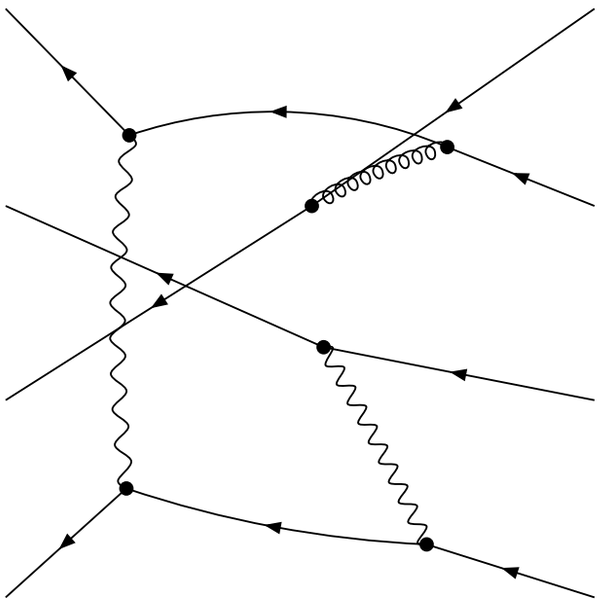


−3+8+10-15

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+8+10-13

embedding 31 [1, 0, −1, −2]

initial

Denominator:

```
0
```

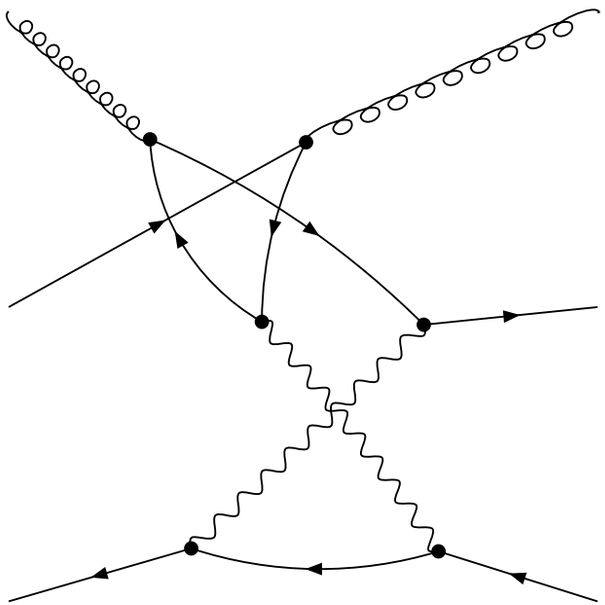
Partial Fractioned Denominator:

```
0
```

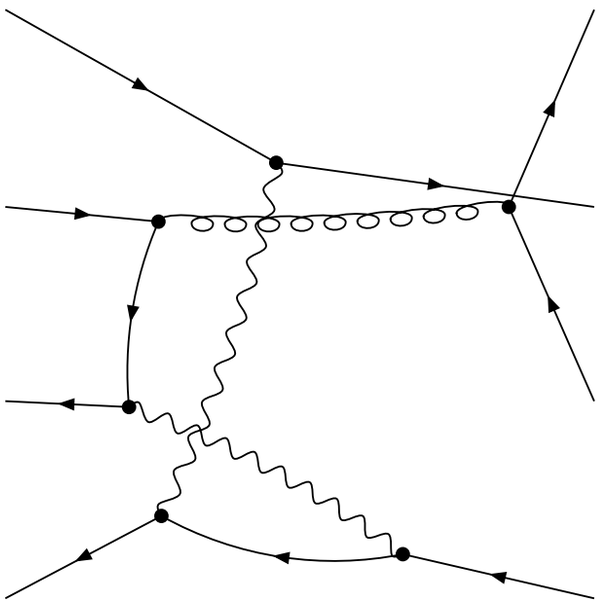
final

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+13+16



−1+10+13+15

embedding 32 [1, 0, −1, −1]

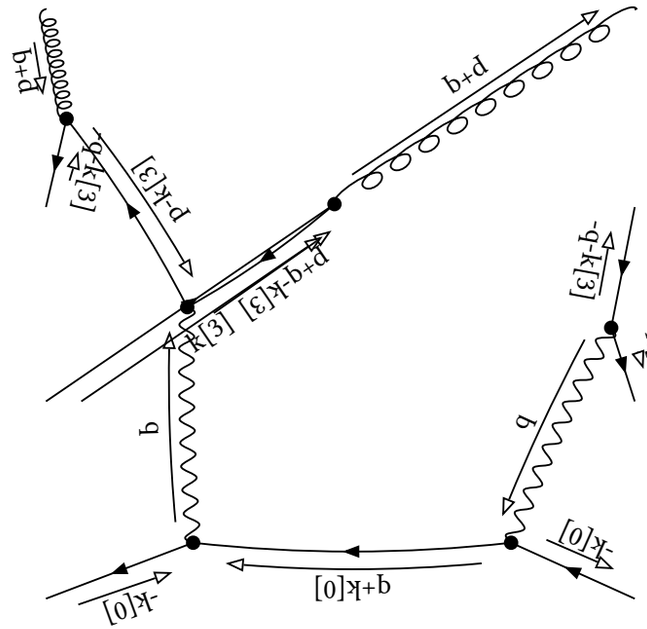
initial

Denominator:

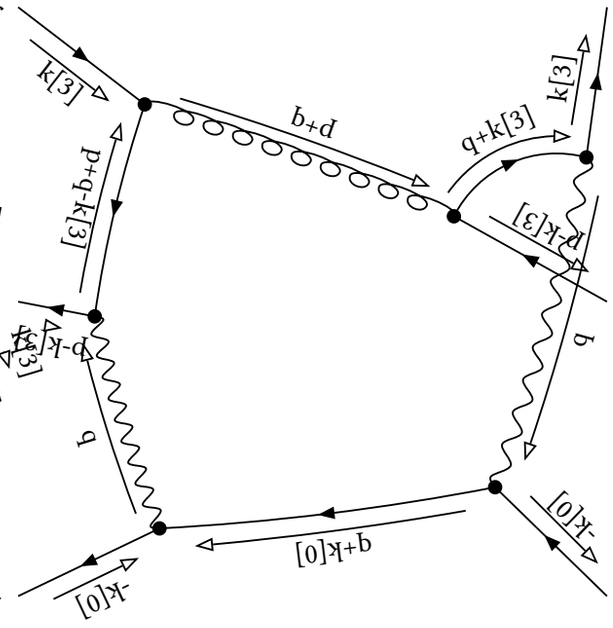
```
prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p+q-k[3]]^-1
```

Partial Fractioned Denominator:

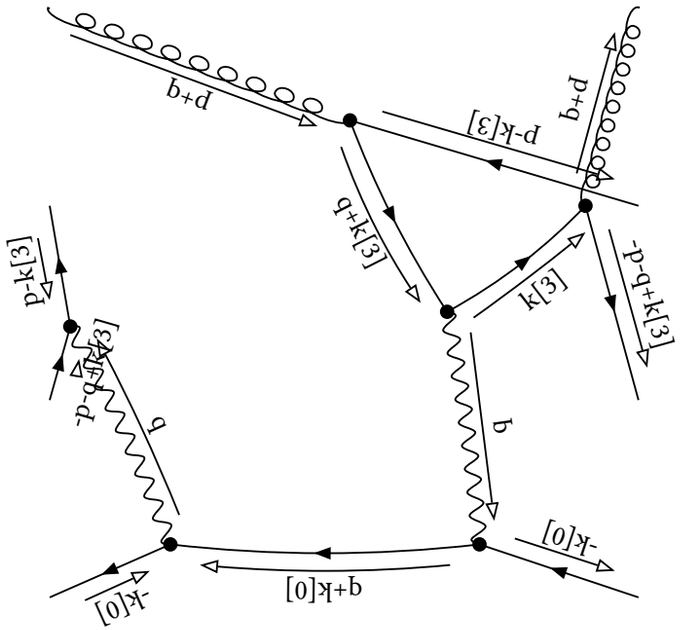
```
(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1
  -(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q-k[3]]^-1
  +(2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 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+13-15+16



−3+10+13

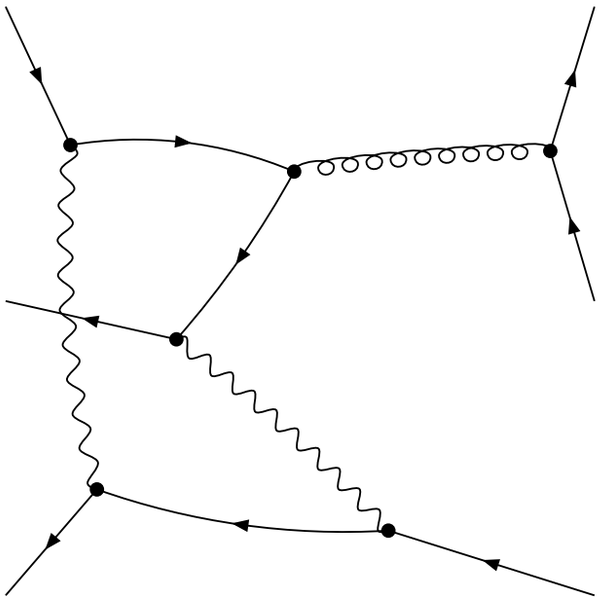


−3-8+10+16

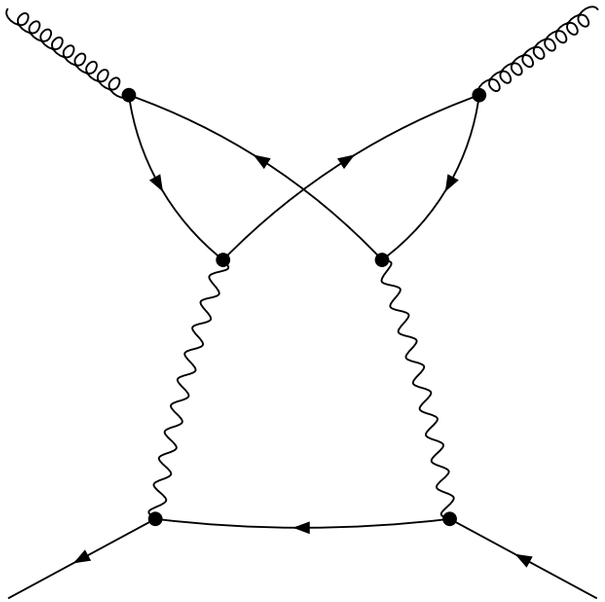
final

Denominator:

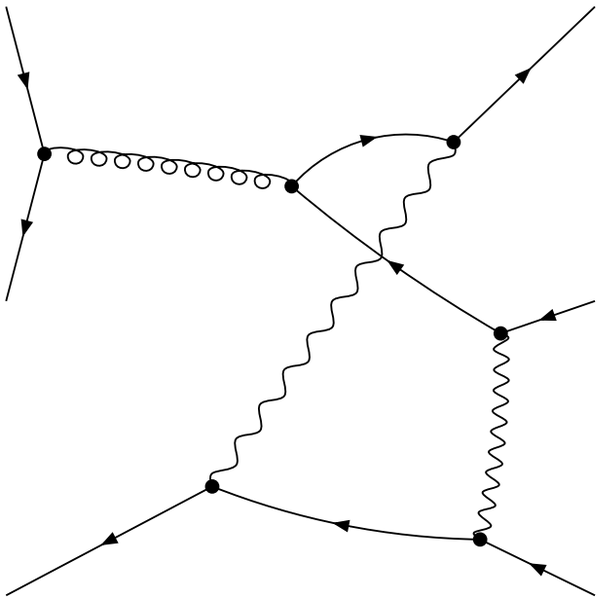
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p-q-k[3]]^-1
```



−1+10+15



−1+16



−1+8+13

embedding 33 [1, 0, −1, 0]

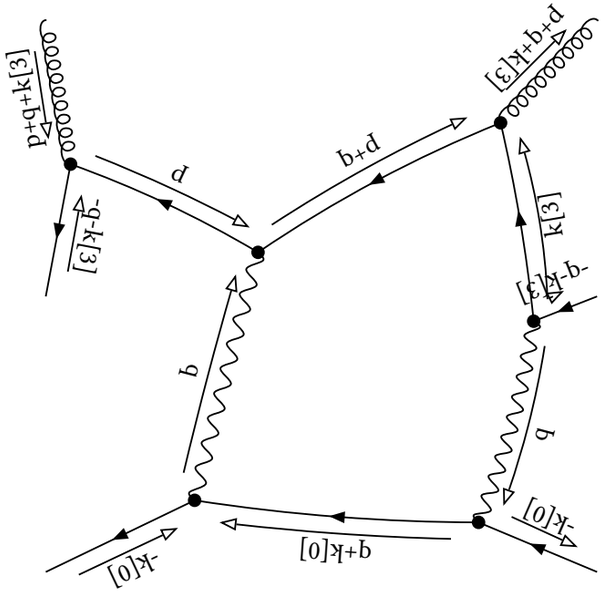
initial

Denominator:

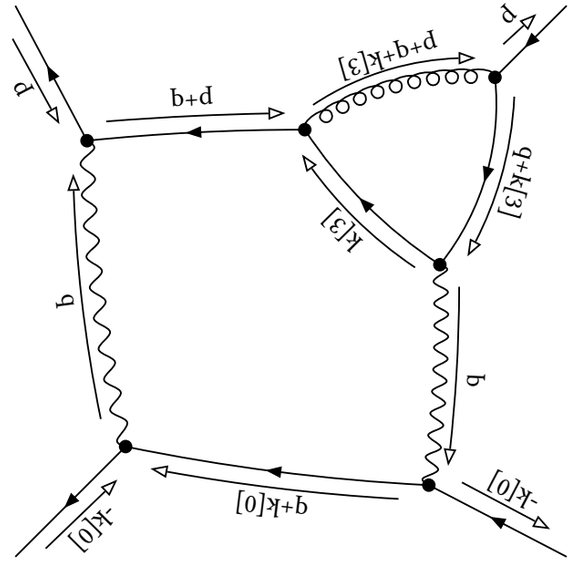
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1
```

Partial Fractioned Denominator:

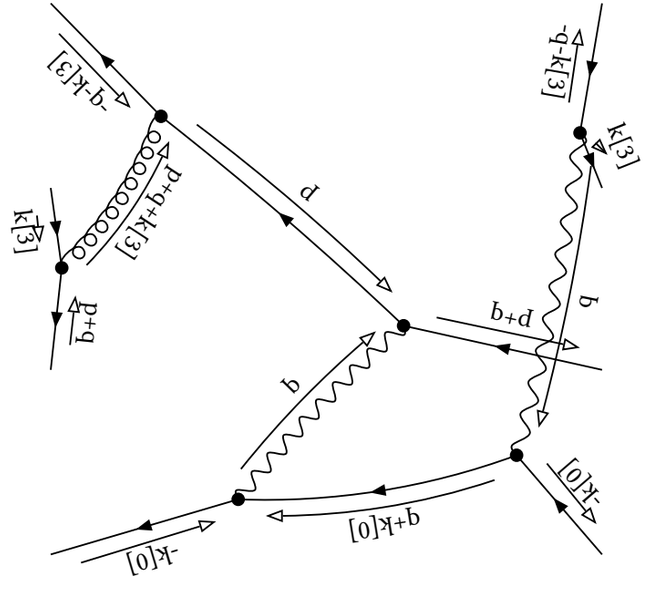
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 dot[p,p]^-1
```



−3-15+16



−3+10

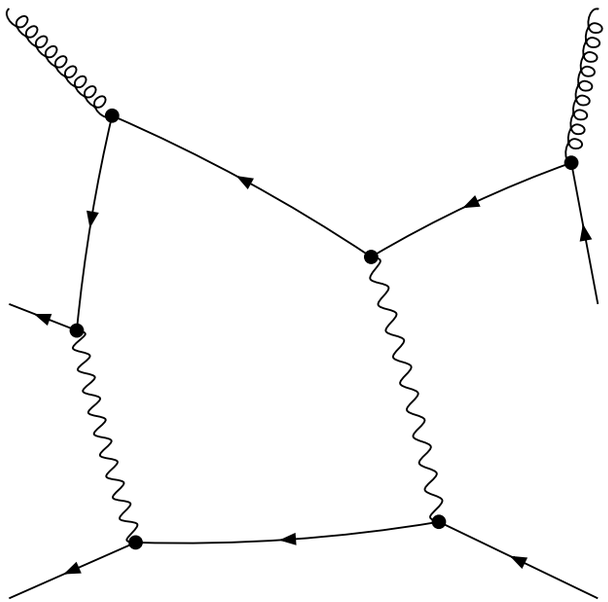


−3+8+13-15

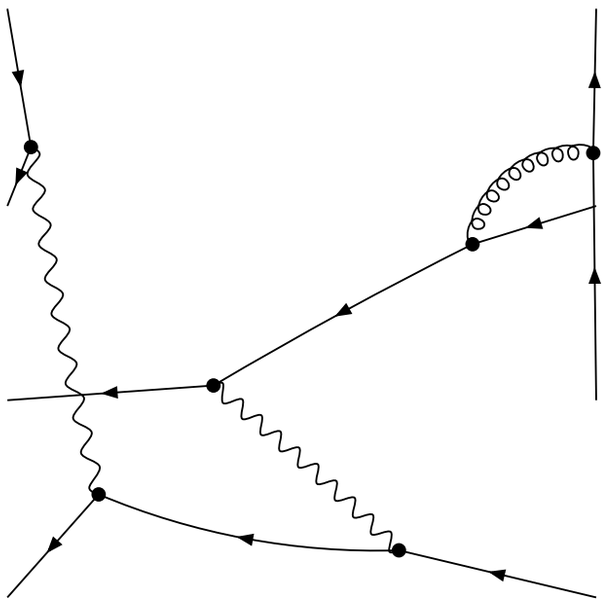
final

Denominator:

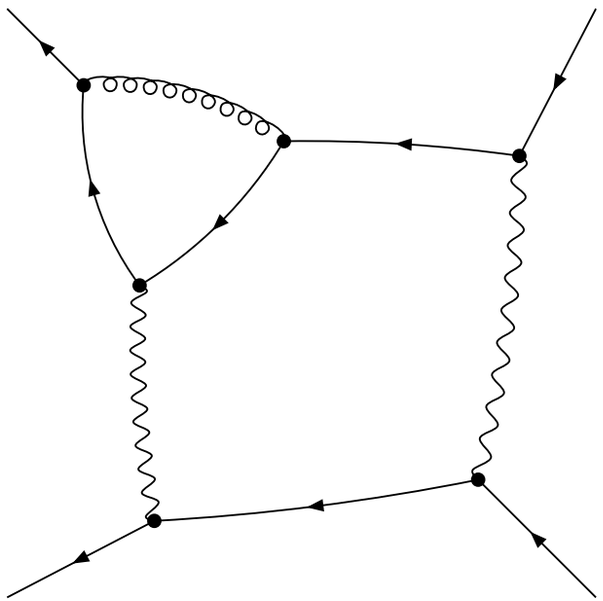
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p-q]^-1
```



−1-13+16



−1+10-13+15



−1+8

embedding 34 [1, 0, −1, 1]

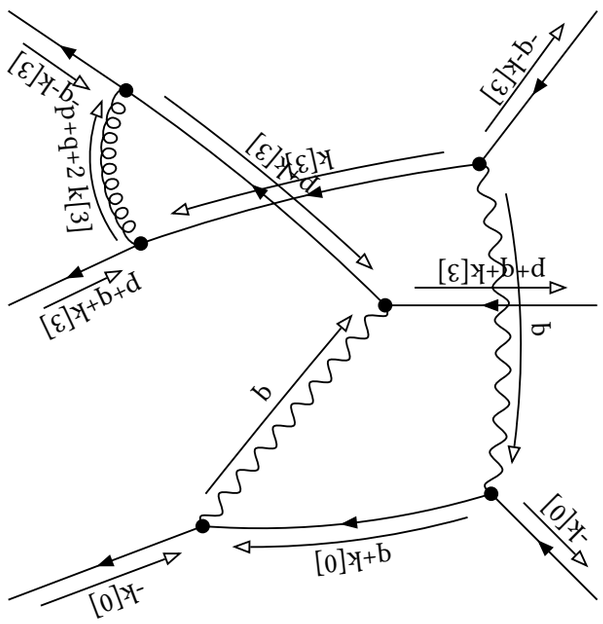
initial

Denominator:

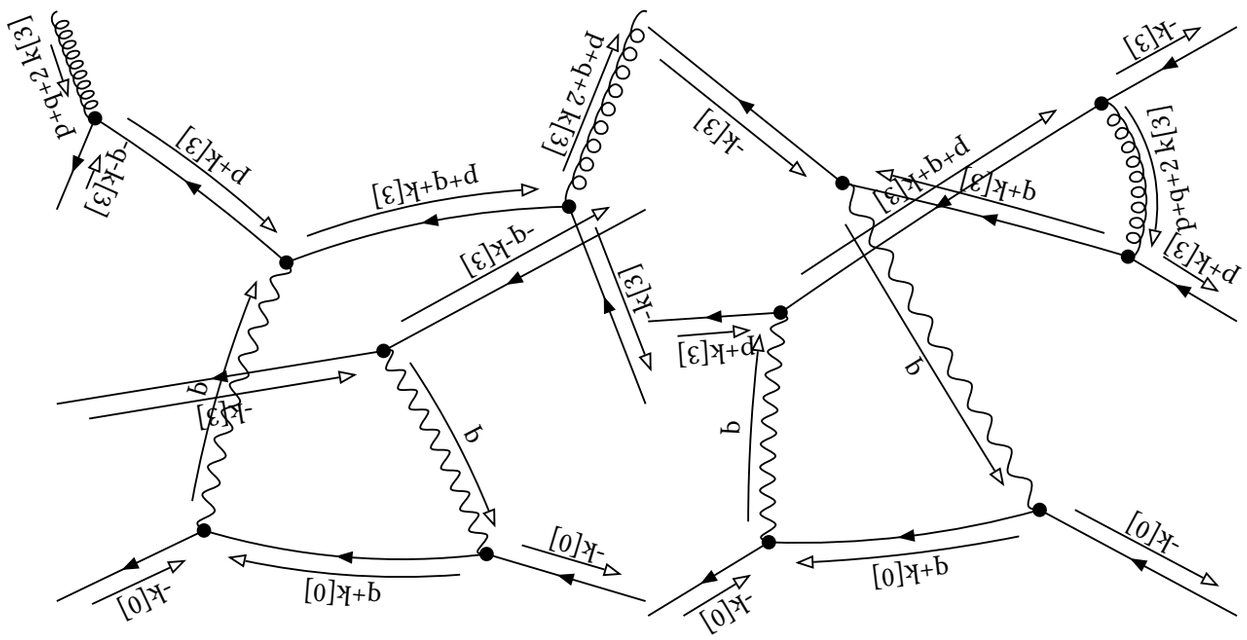
```
prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
```

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
```

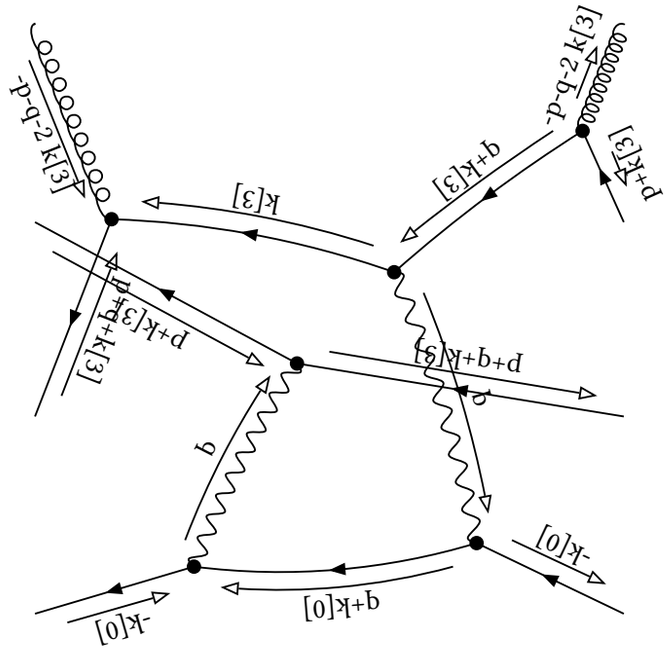


−3+8-15



−3-13-15+16

−3+10-13

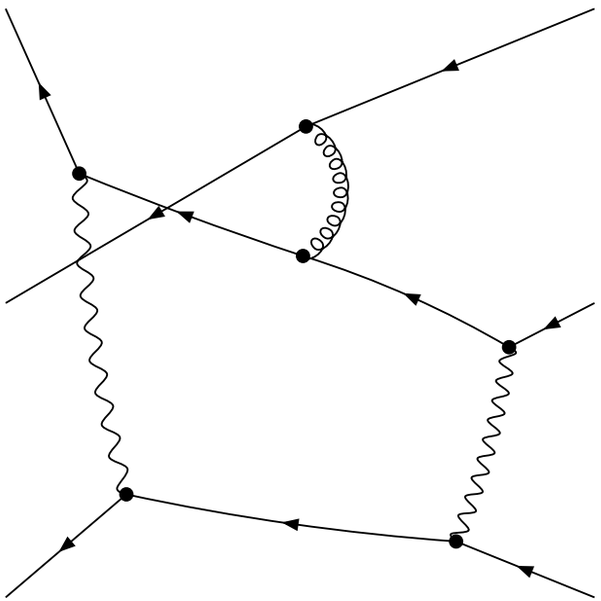


−3+8+10-16

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+8-13

embedding 35 [1, 0, −1, 2]

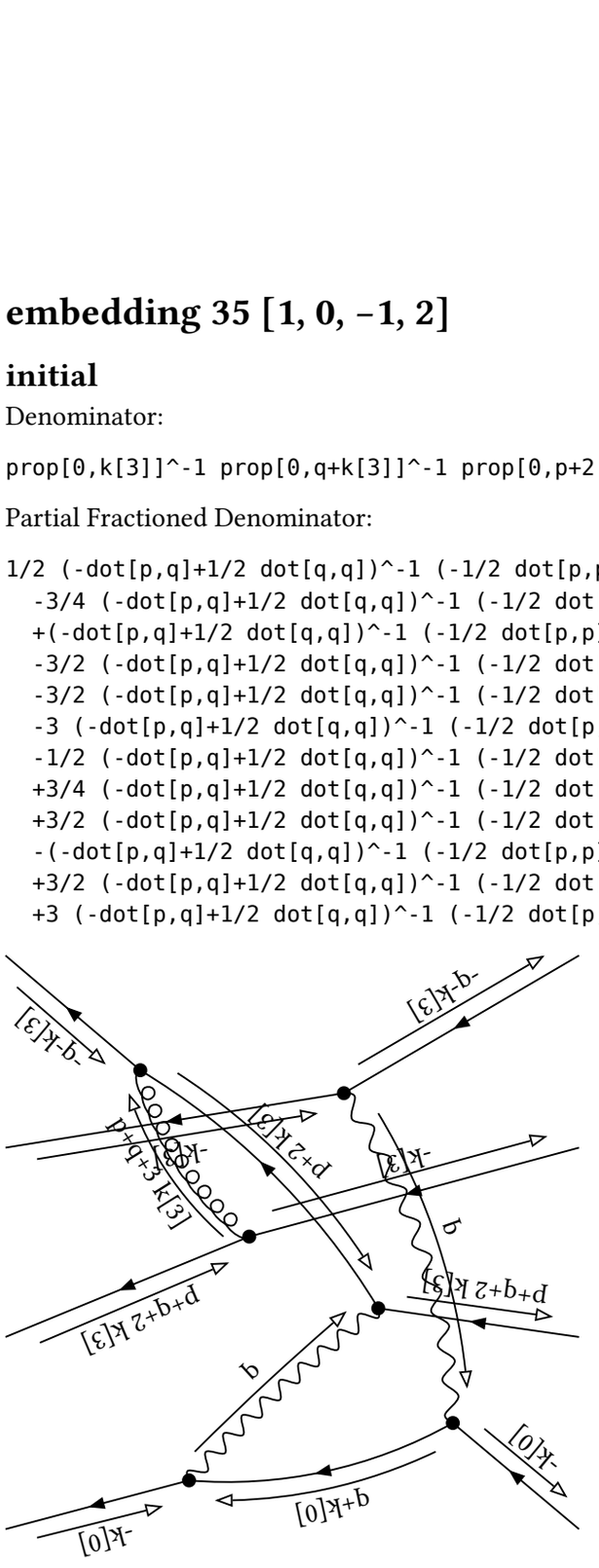
initial

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]-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
  -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
```



−3+8-13-15

final

Denominator:

```
0
```

embedding 36 [1, 0, 0, −2]

initial

Denominator:

```
0
```

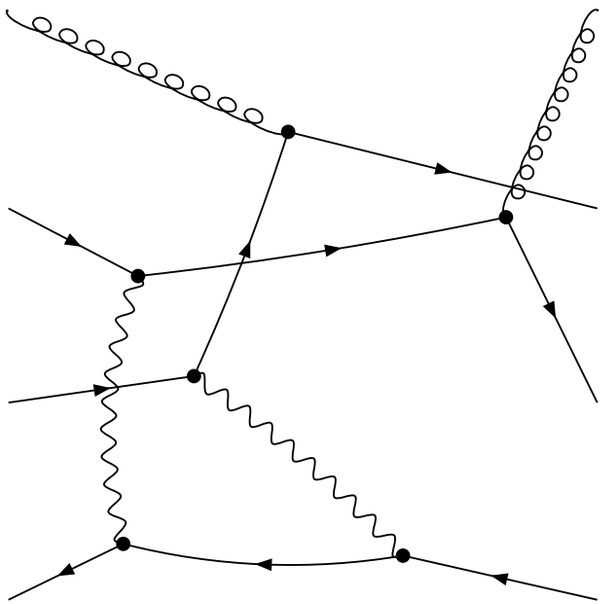
Partial Fractioned Denominator:

```
0
```

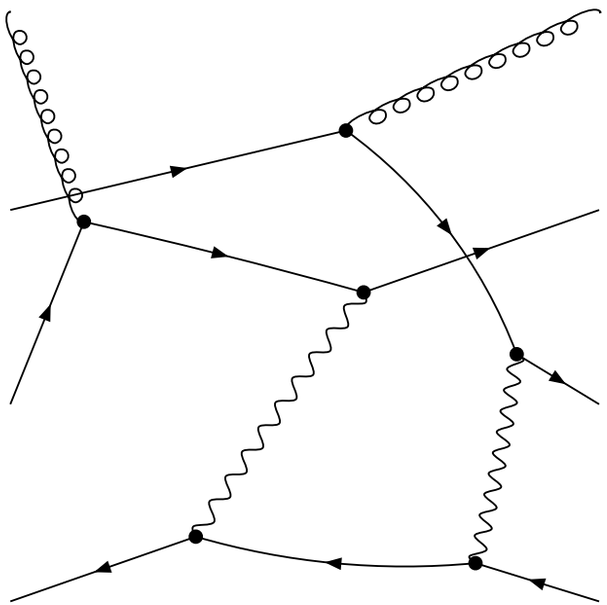
final

Denominator:

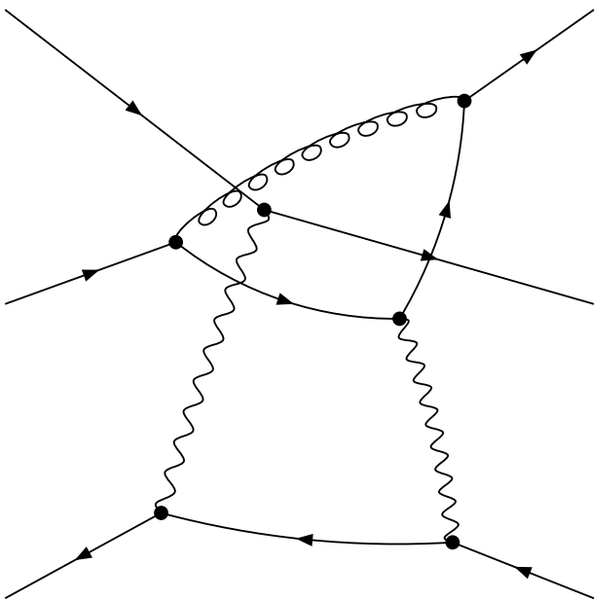
```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,1/2 p+1/2 q]^-1 prop[0,1/2 p-1/2 q]^-1 prop[0,1/2 p+1/2 q+k[2]]^-1
```



−1-8+15+16



−1-10+13+16



−1+13+15

embedding 37 [1, 0, 0, −1]

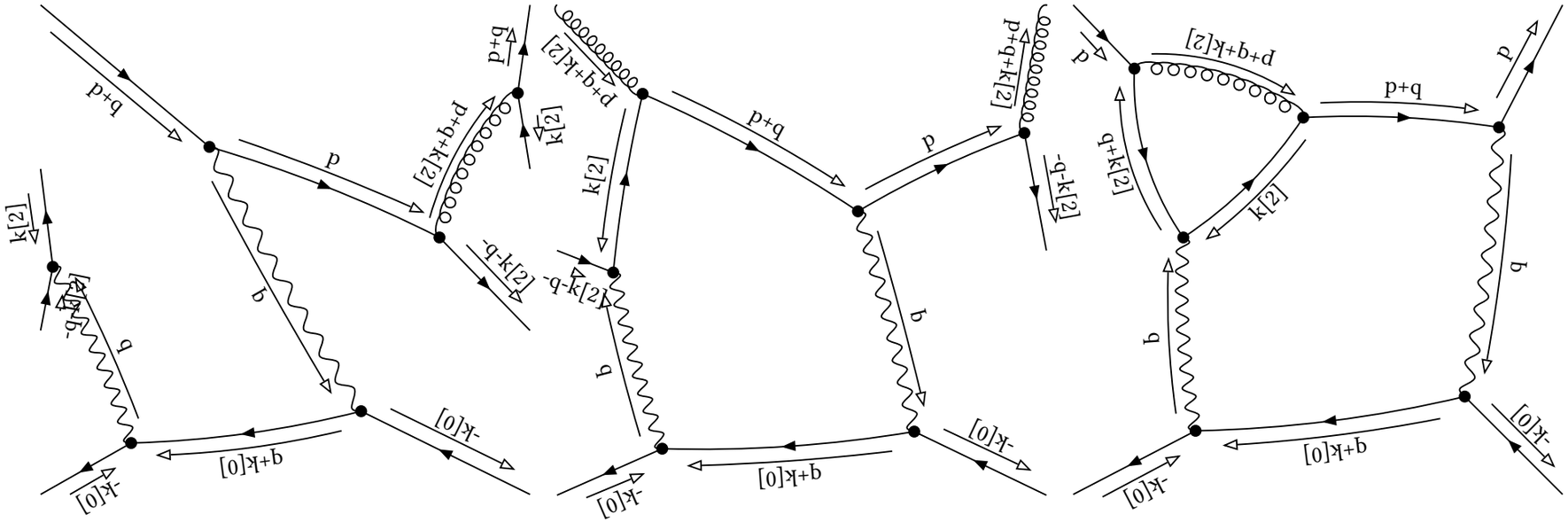
initial

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
```

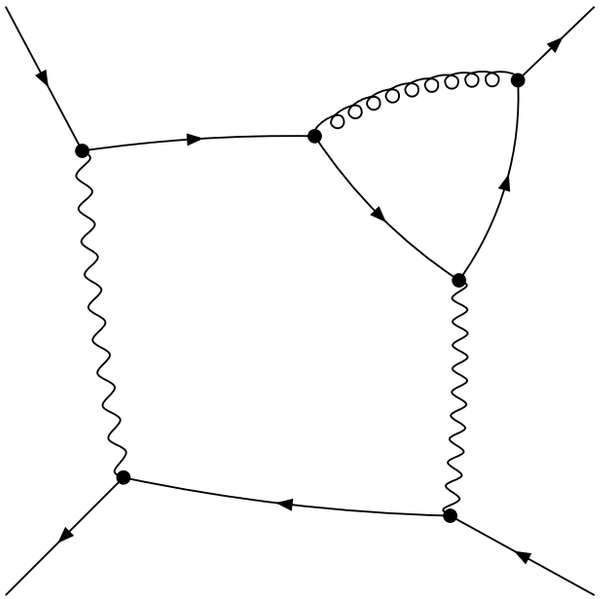


−3-8+10+15 −3-8+16 −3+13

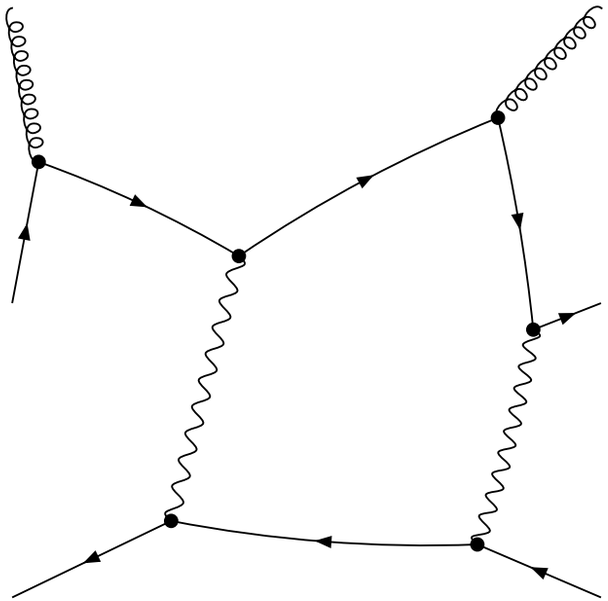
final

Denominator:

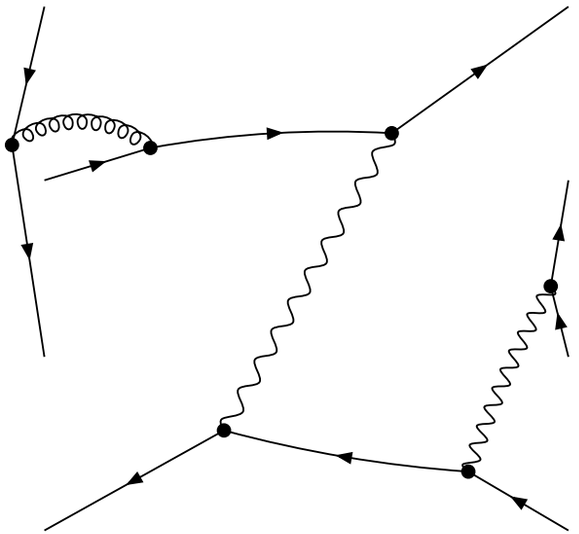
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,p-q]^-1
```



−1+15



−1-10+16



−1+8-10+13

embedding 38 [1, 0, 0, 0]

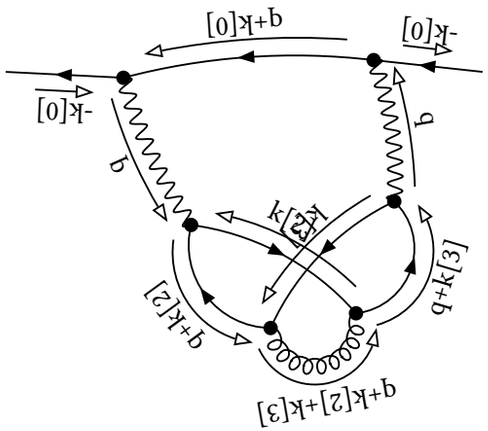
initial

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:

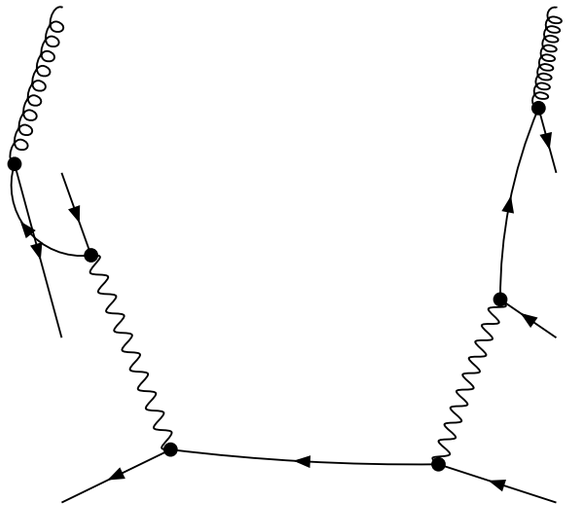
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



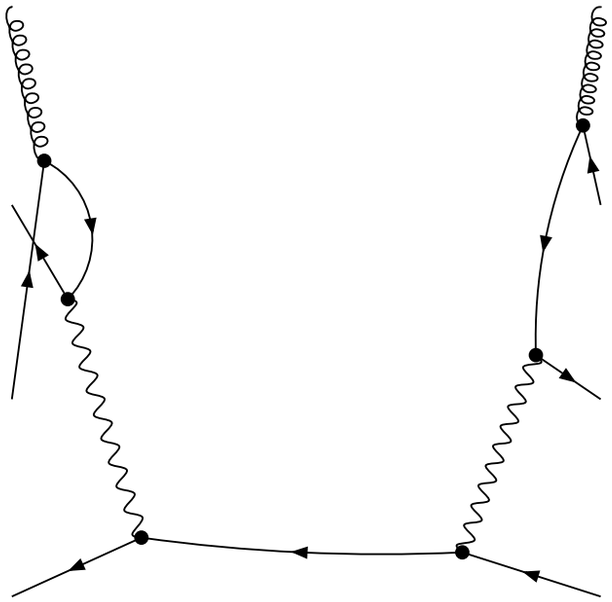
final

Denominator:

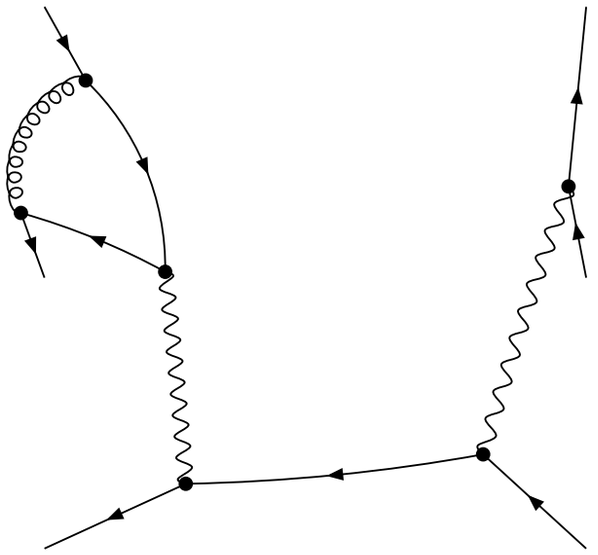
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



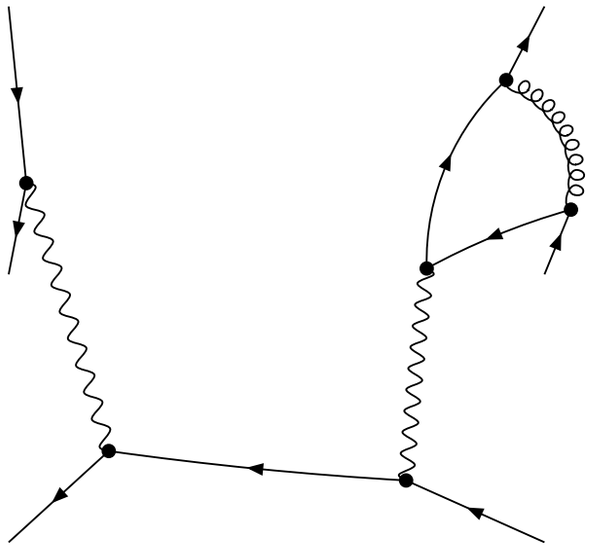
−1+8+15-16



−1-10-13+16



−1+8-10



−1-13+15

embedding 39 [1, 0, 0, 1]

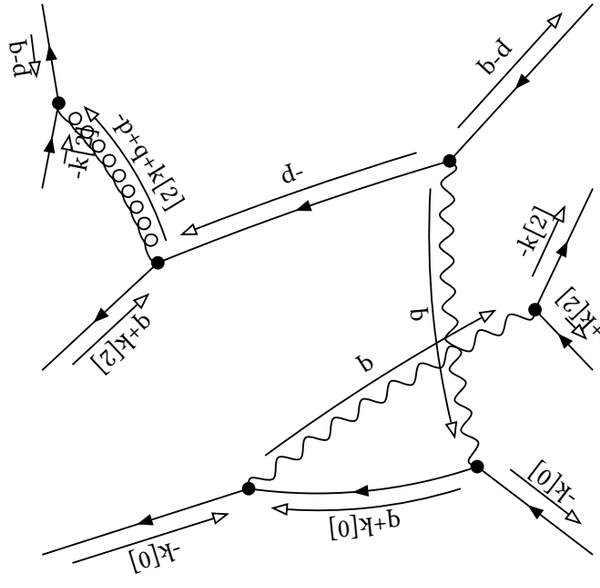
initial

Denominator:

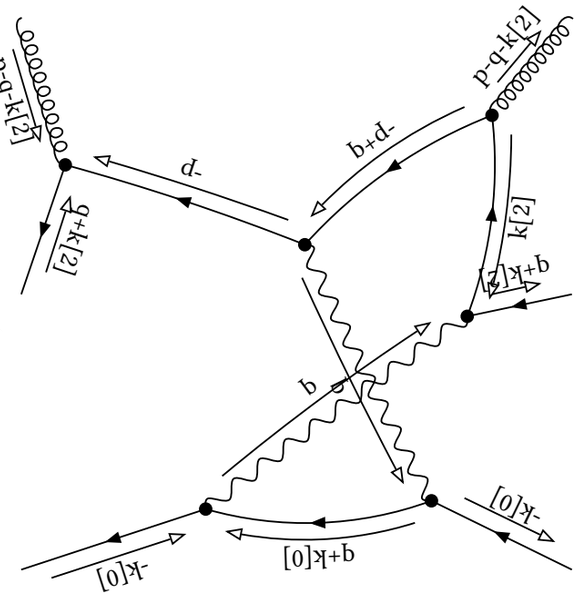
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[2]]^-1
```

Partial Fractioned Denominator:

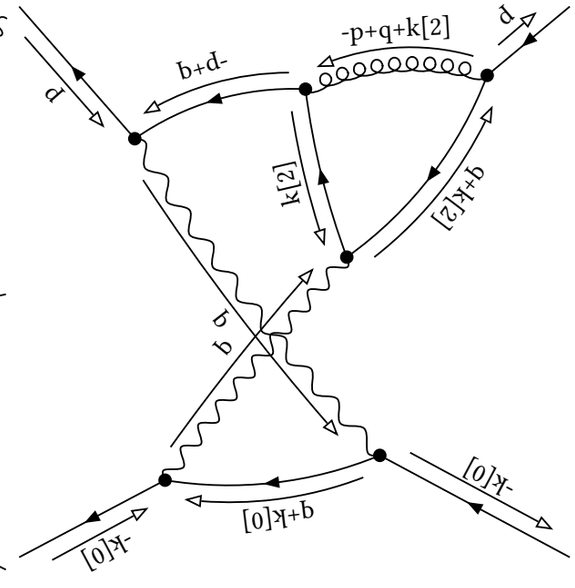
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q+k[2]]^-1 dot[p,p]^-1
```



−3+8-10-15



−3+8-16

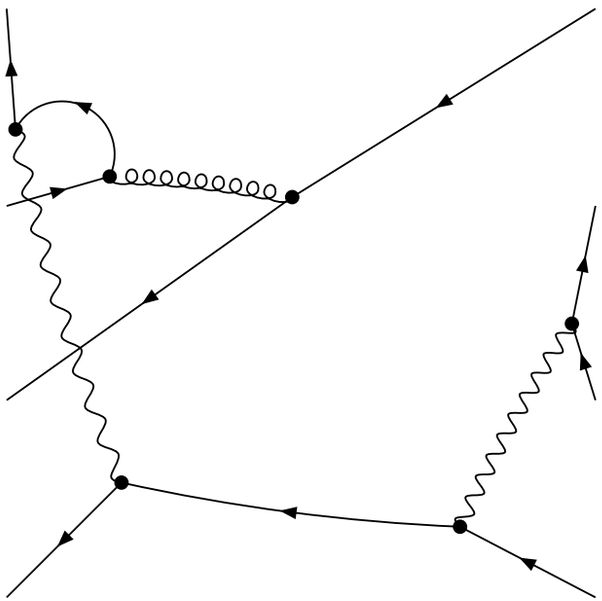


−3-13

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+8-10-13

embedding 40 [1, 0, 1, −2]

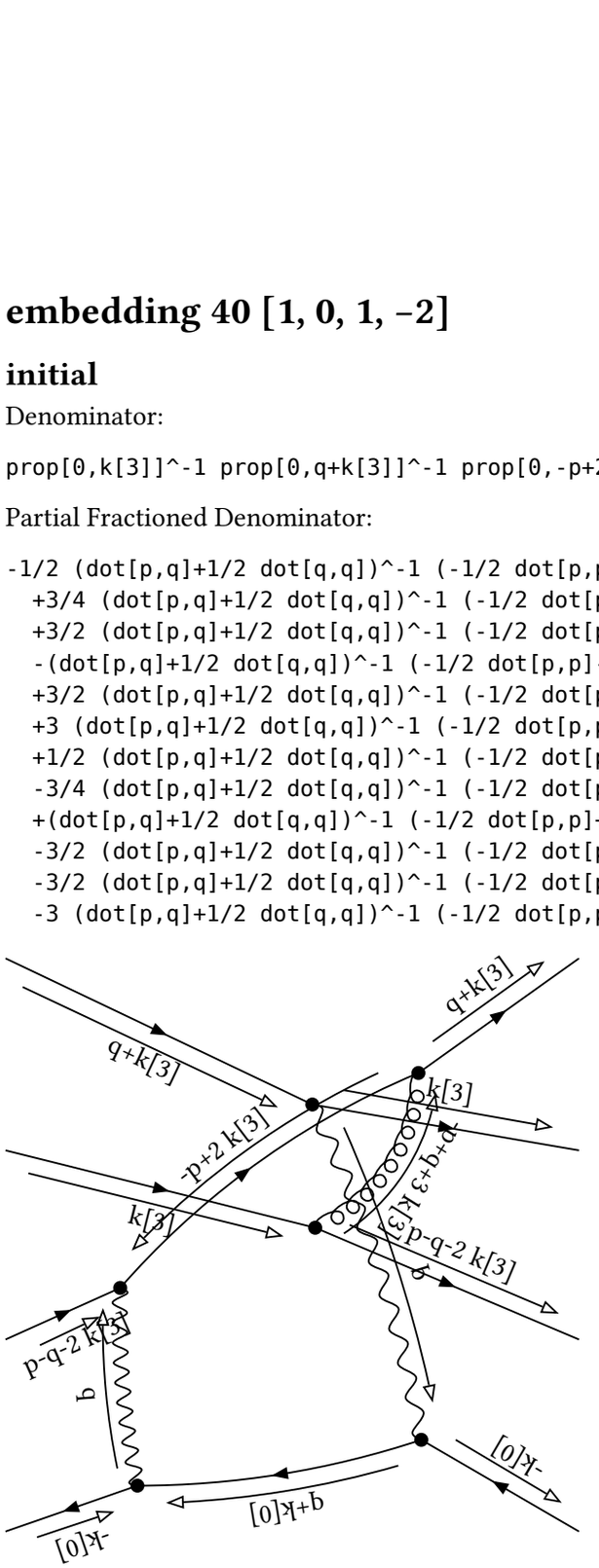
initial

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
```

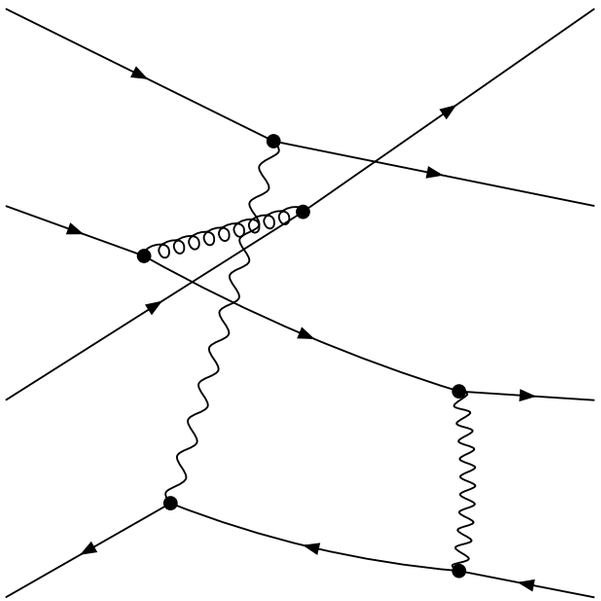


−3-8+13+15

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
```



−1-10+13+15

embedding 41 [1, 0, 1, −1]

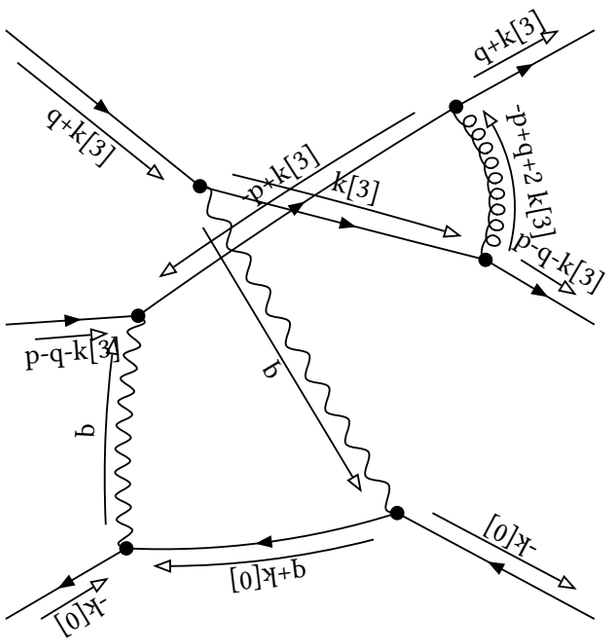
initial

Denominator:

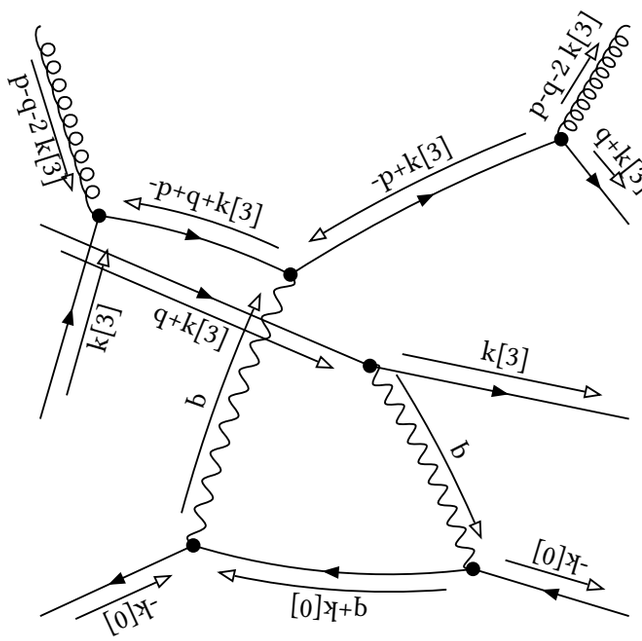
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1
```

Partial Fractioned Denominator:

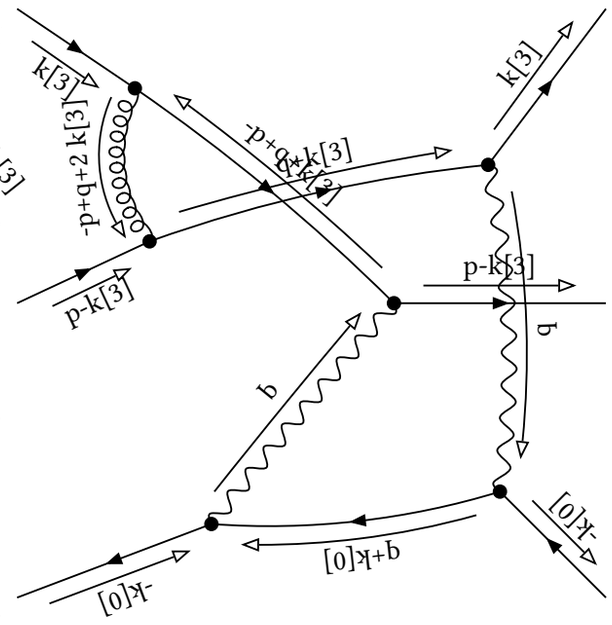
```
-1/2 (-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 dot[p,q]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1 dot[p,q]^-1
  +(-dot[p,p]-2 dot[p,q]-dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+2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



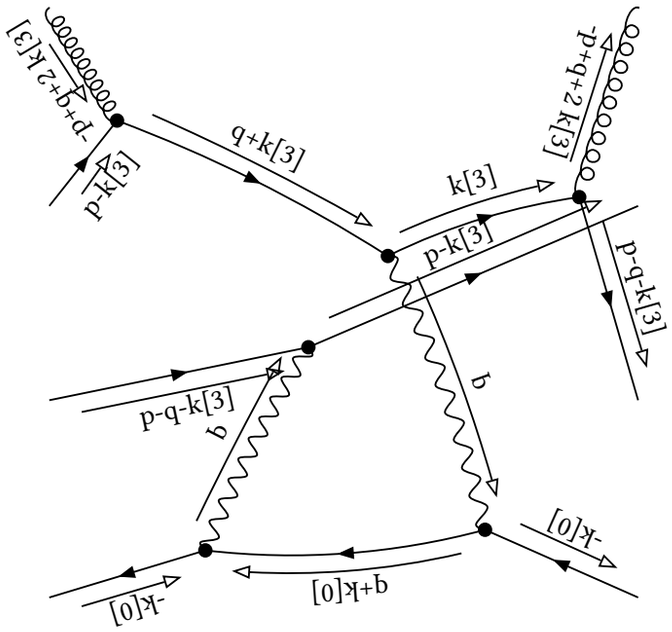
−3-8+15



−3+13+15-16



−3-10+13

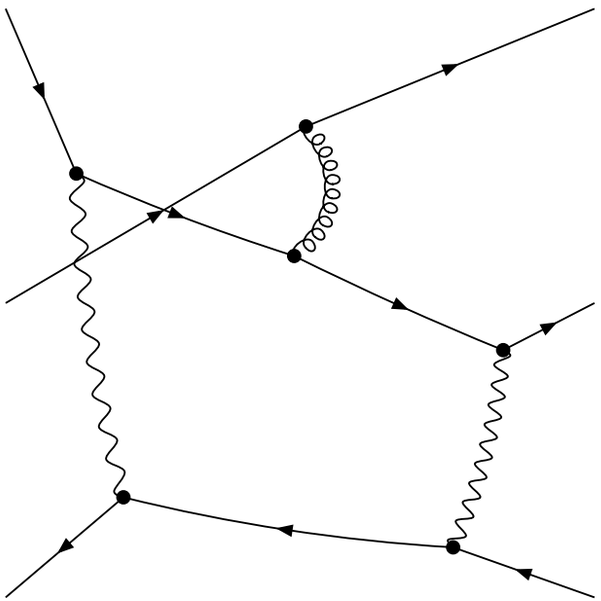


−3-8-10+16

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
```



−1-10+15

embedding 42 [1, 0, 1, 0]

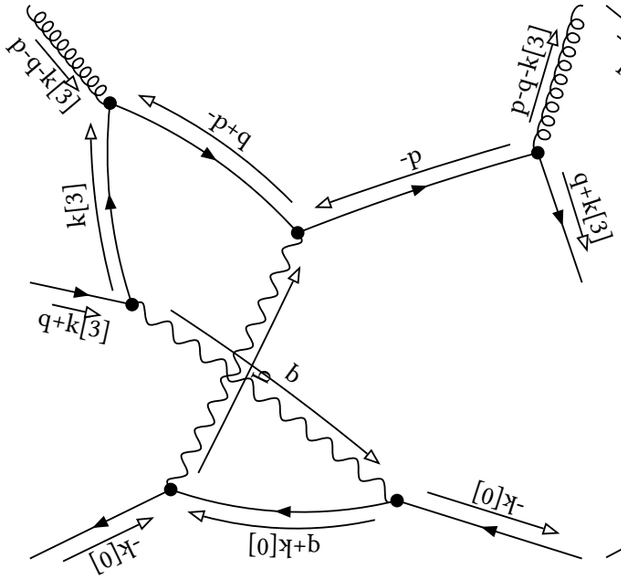
initial

Denominator:

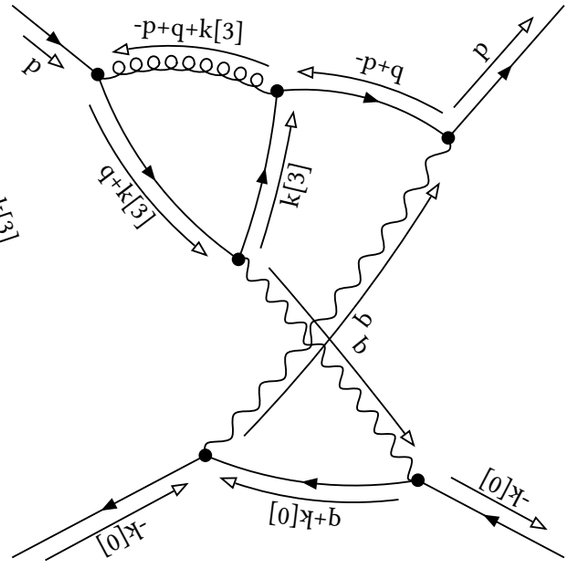
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[3]]^-1
```

Partial Fractioned Denominator:

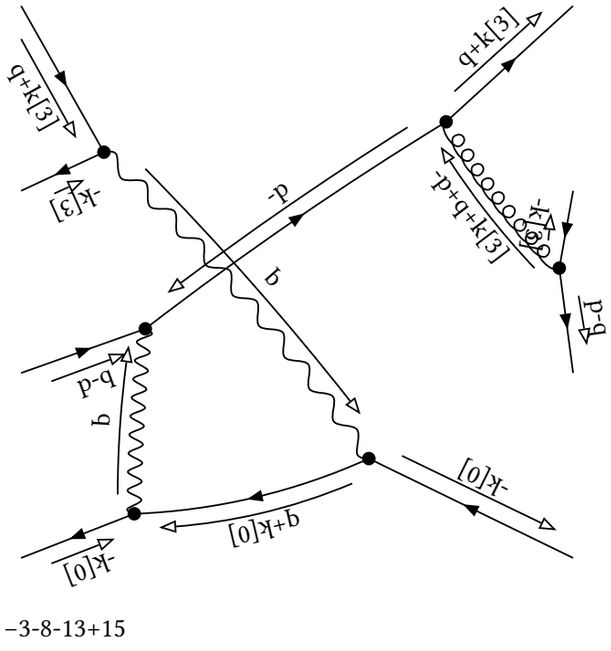
```
(dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q+k[3]]^-1 dot[p,p]^-1
```



−3+15-16



−3-10

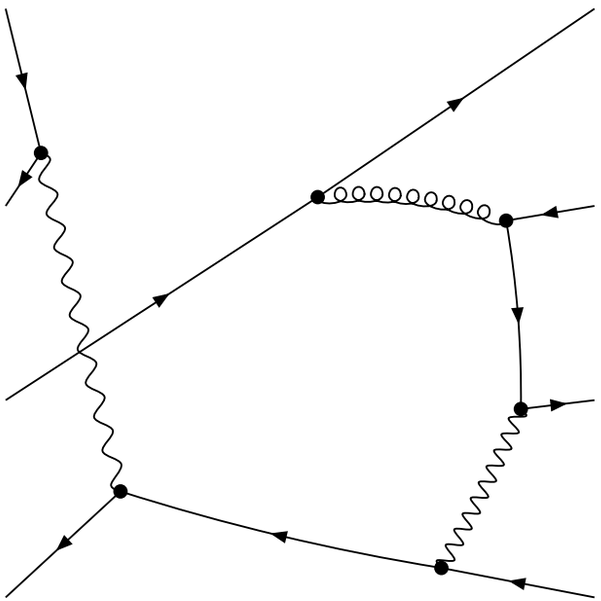


−3-8-13+15

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
```



−1-10-13+15

embedding 43 [1, 0, 1, 1]

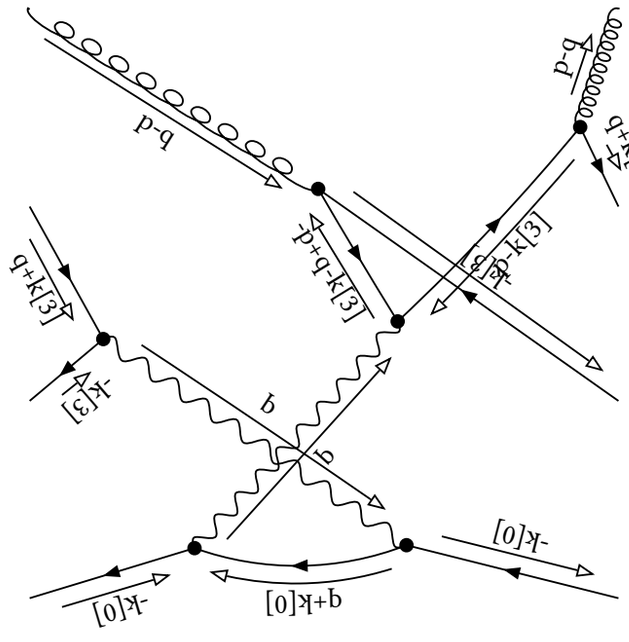
initial

Denominator:

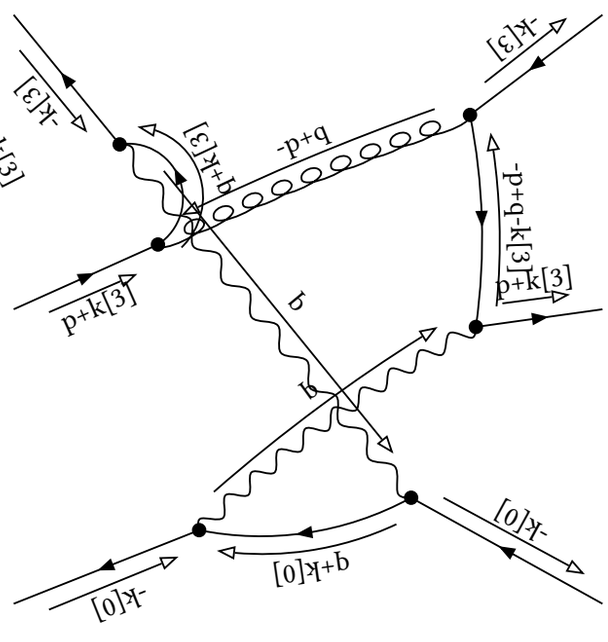
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p-k[3]]^-1 prop[0,-p+q-k[3]]^-1
```

Partial Fractioned Denominator:

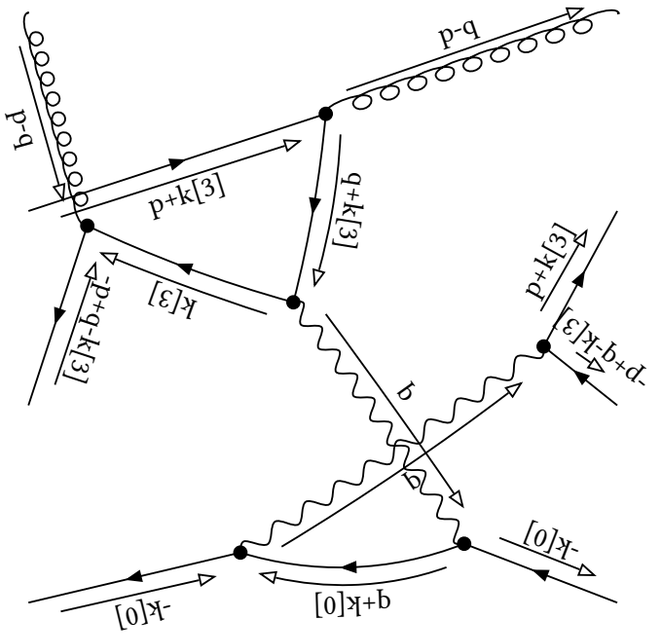
```
(-2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1
  -(-2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q-k[3]]^-1
  +(-2 dot[p,q]+2 dot[q,q])^-1 (dot[p,p]-2 dot[p,q]+dot[q,q])^-1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



−3-13+15-16



−3-10-13



−3+8-10-16

final

Denominator:

```
0
```

embedding 44 [1, 0, 2, −1]

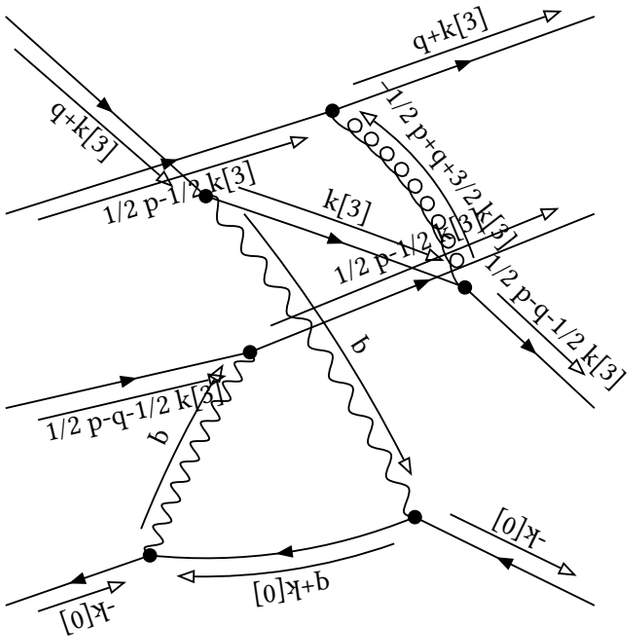
initial

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]-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
  +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
```



−3-8-10+15

final

Denominator:

```
0
```

embedding 45 [1, 1, −2, 1]

initial

Denominator:

```
0
```

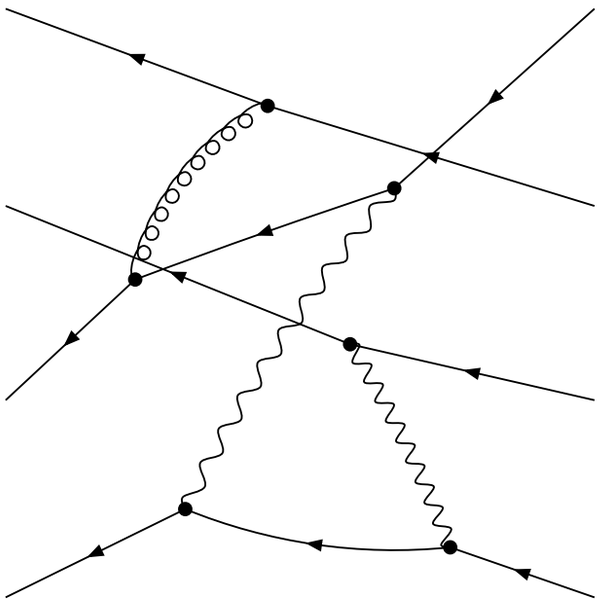
Partial Fractioned Denominator:

```
0
```

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+10-15

embedding 46 [1, 1, −1, −1]

initial

Denominator:

```
0
```

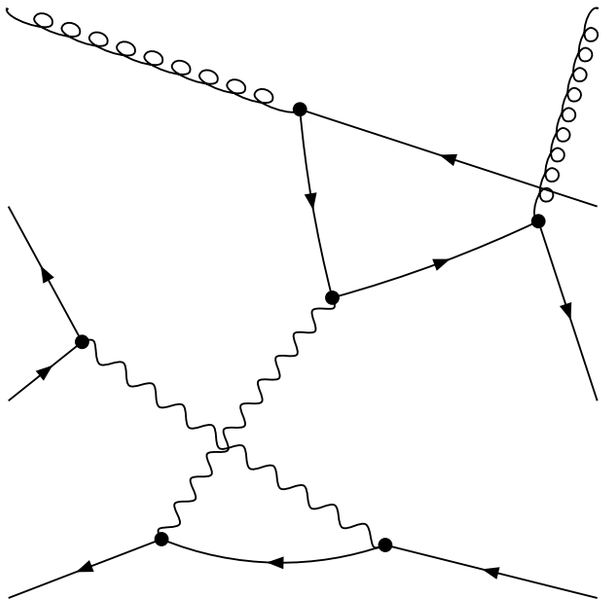
Partial Fractioned Denominator:

```
0
```

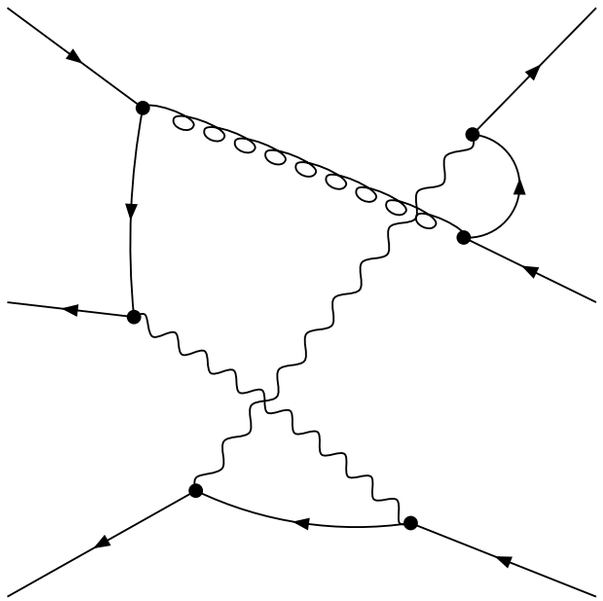
final

Denominator:

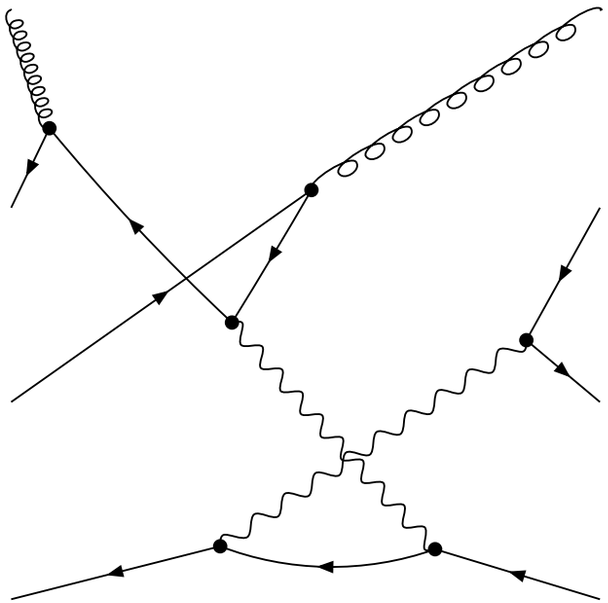
```
prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p-k[3]]^-1 prop[0,p+q-k[3]]^-1
```



−1-8+10+16



−1+10+13



−1+13-15+16

embedding 47 [1, 1, −1, 0]

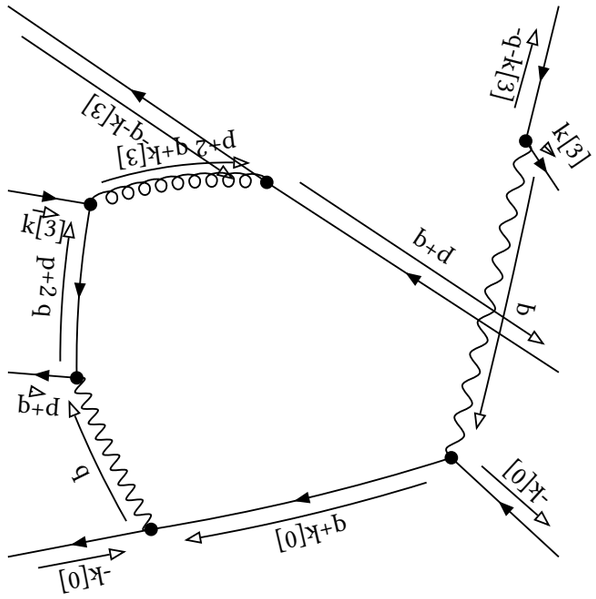
initial

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
```

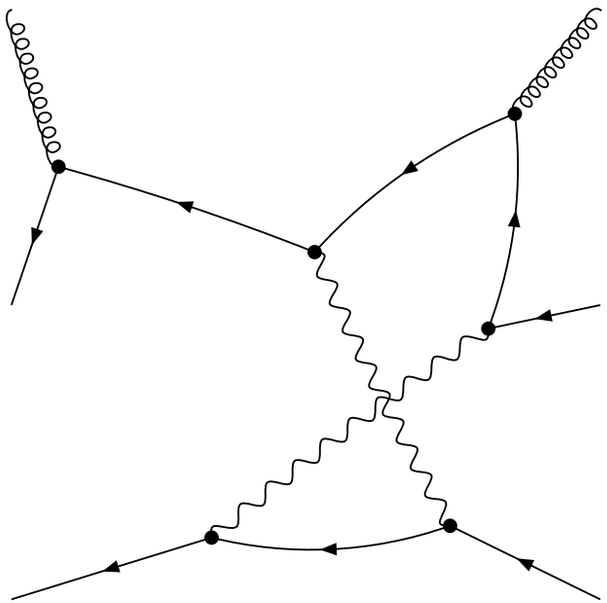


−3+10+13-15

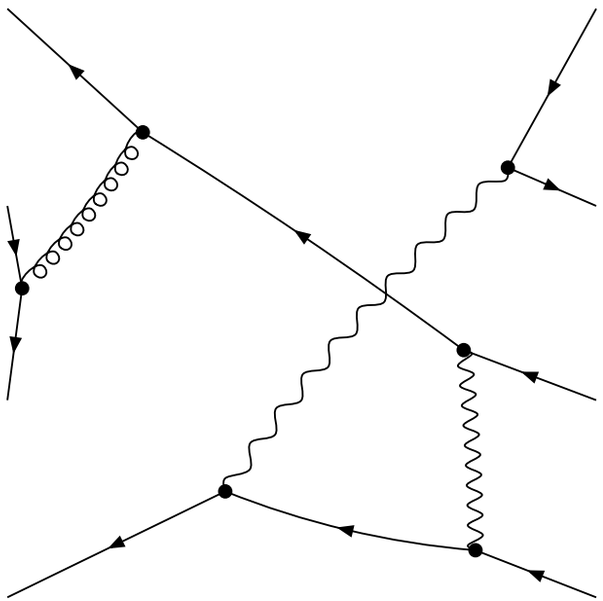
final

Denominator:

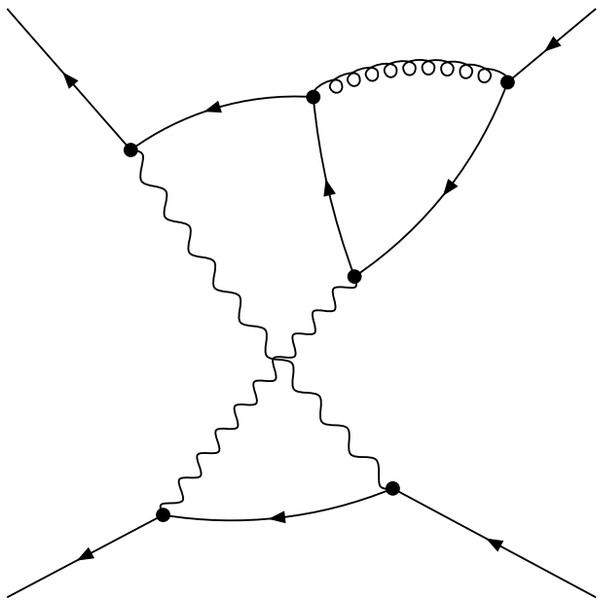
```
prop[0,p]^-1 prop[0,k[3]]^-1 prop[0,p+q]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1
```



−1-15+16



−1+8+13-15



−1+10

embedding 48 [1, 1, −1, 1]

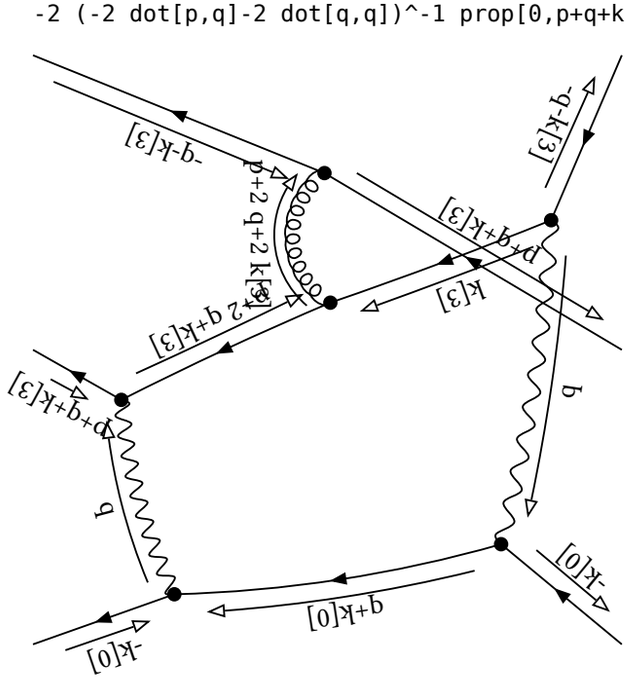
initial

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
```

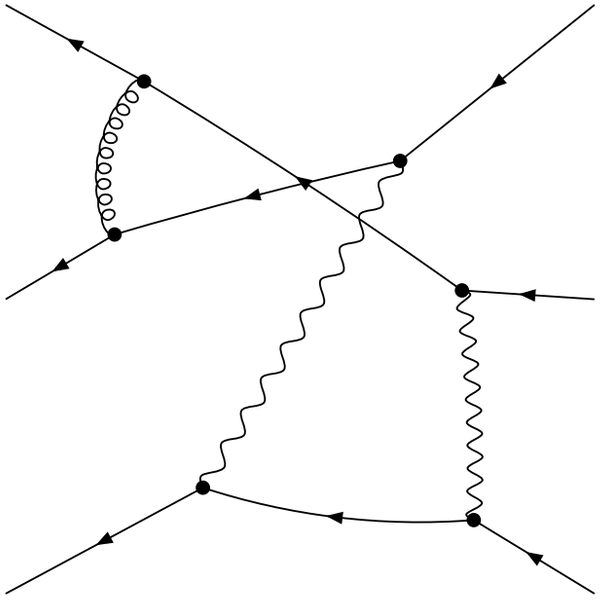


−3+10-15

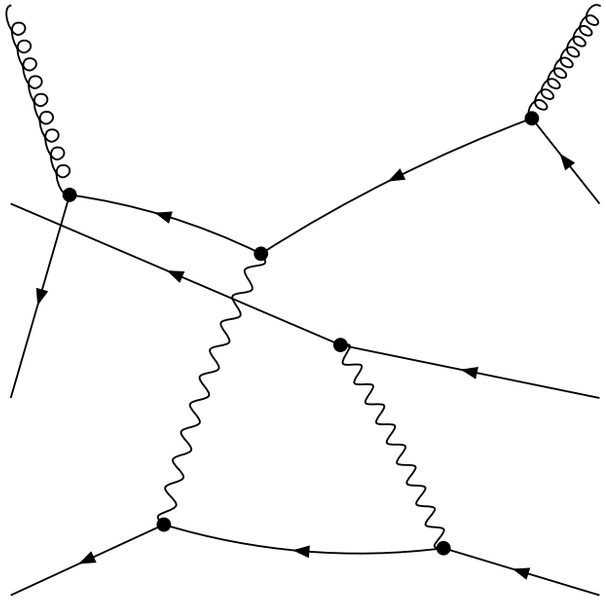
final

Denominator:

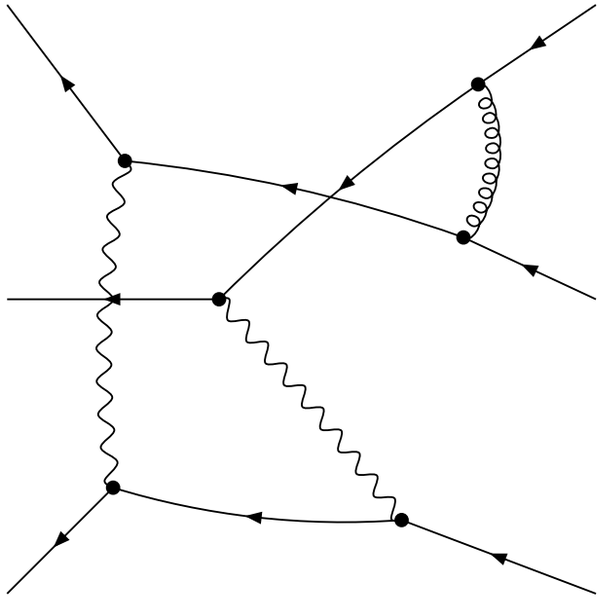
```
prop[0,k[3]]^-1 prop[0,p+k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,p+q+k[3]]^-1 prop[0,p+q+2 k[3]]^-1
```



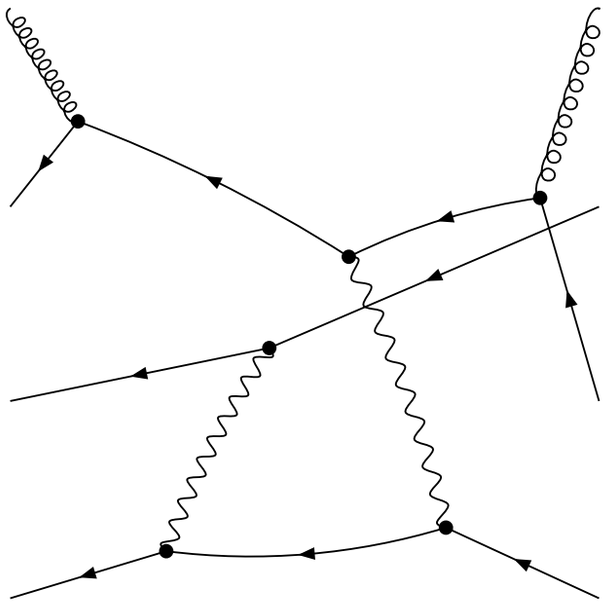
−1+8-15



−1+8+10-16



−1+10-13



−1-13-15+16

embedding 49 [1, 1, −1, 2]

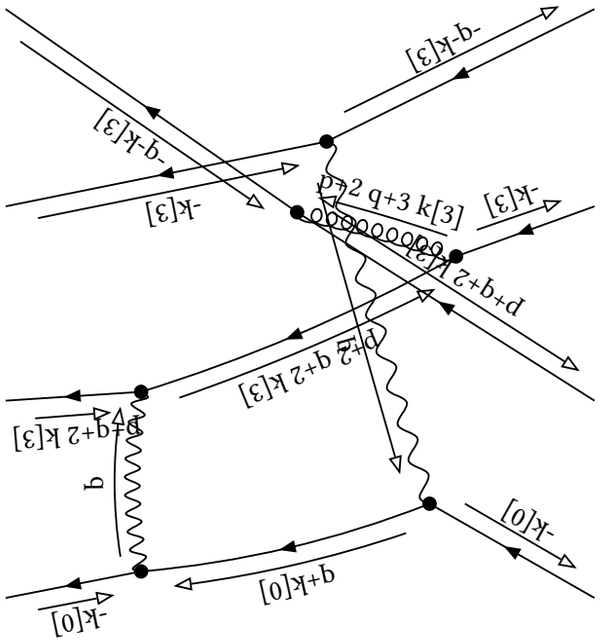
initial

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
```

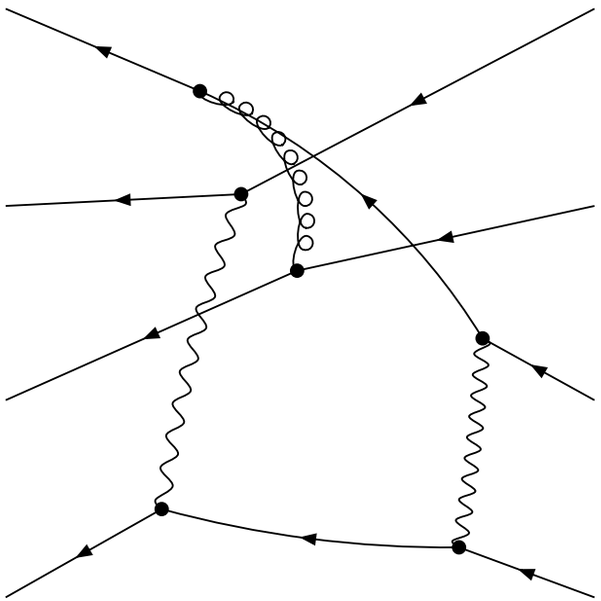


−3+10-13-15

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+8-13-15

embedding 50 [1, 1, 0, −1]

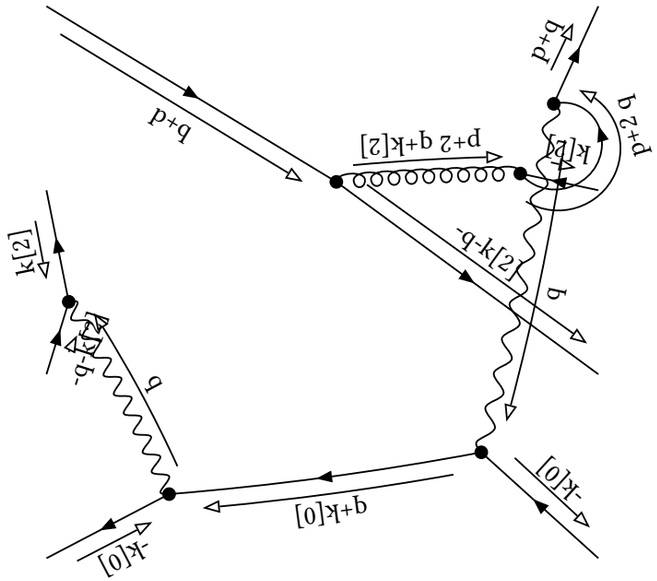
initial

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
```

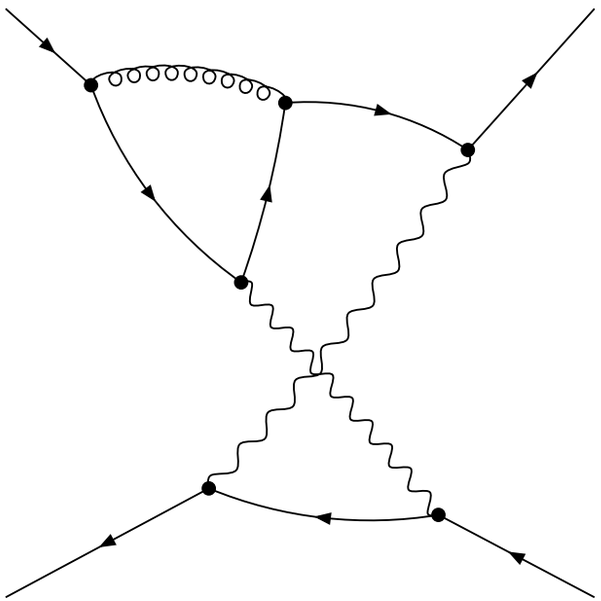


−3-8+10+13

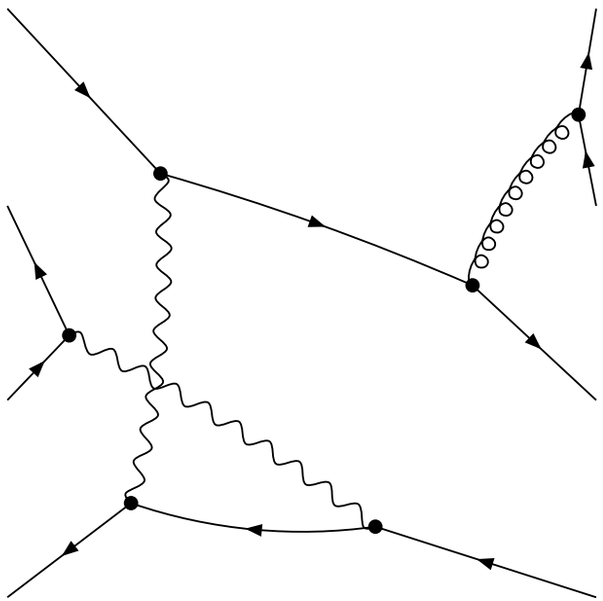
final

Denominator:

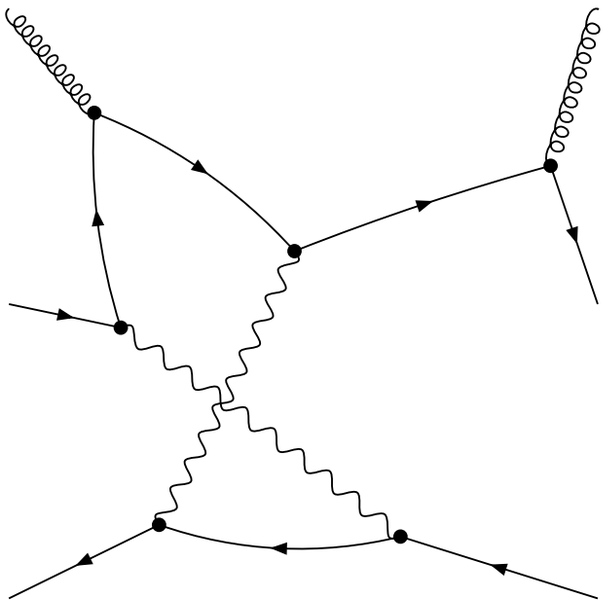
```
prop[0,p]^-1 prop[0,k[2]]^-1 prop[0,p+q]^-1 prop[0,q+k[2]]^-1 prop[0,p+q+k[2]]^-1
```



−1+13



−1-8+10+15



−1-8+16

embedding 51 [1, 1, 0, 0]

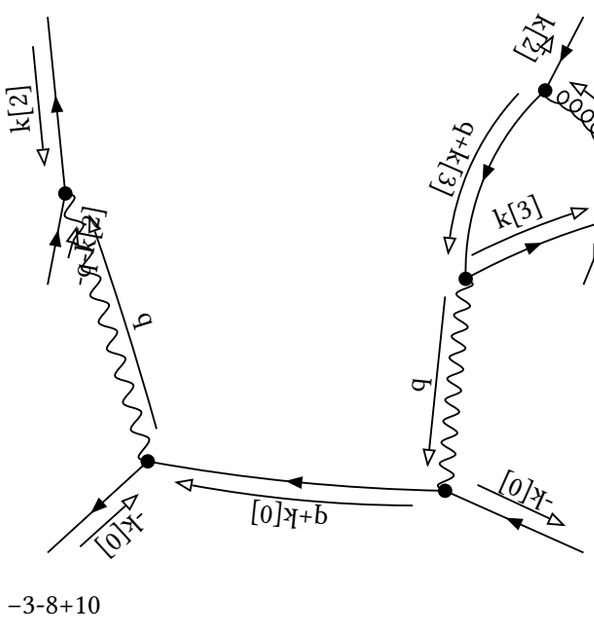
initial

Denominator:

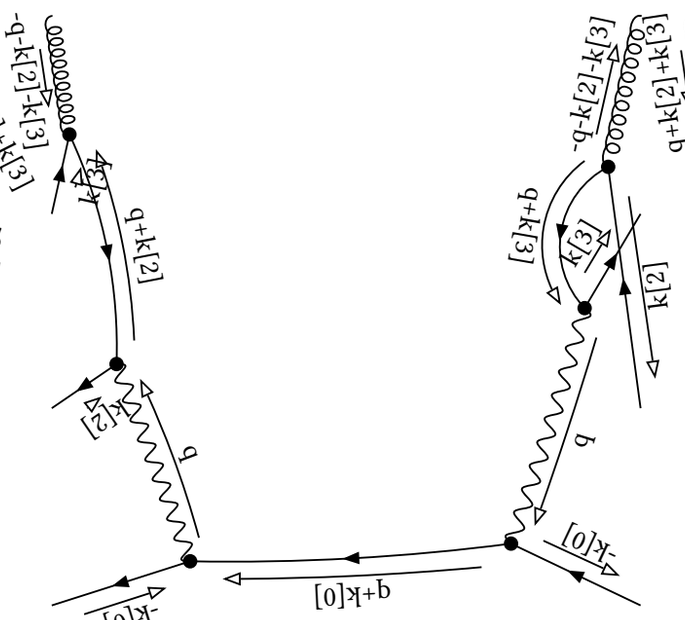
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```

Partial Fractioned Denominator:

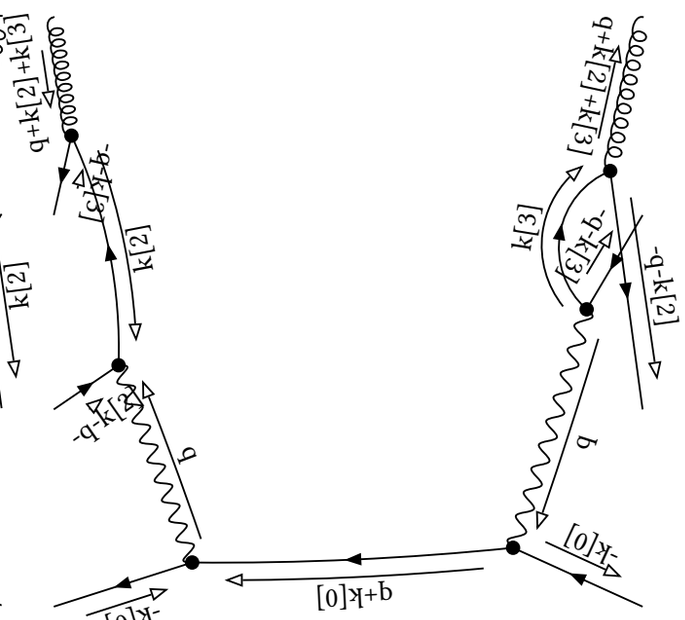
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



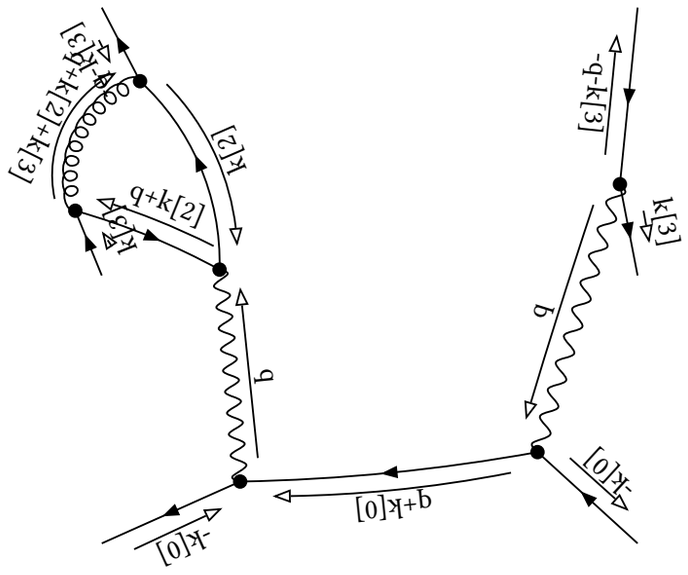
−3-8+10



−3+10+13-16



−3-8-15+16

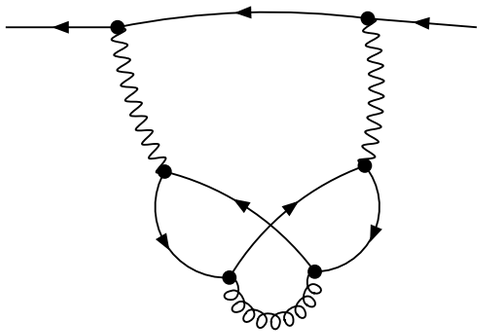


−3+13-15

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 52 [1, 1, 0, 1]

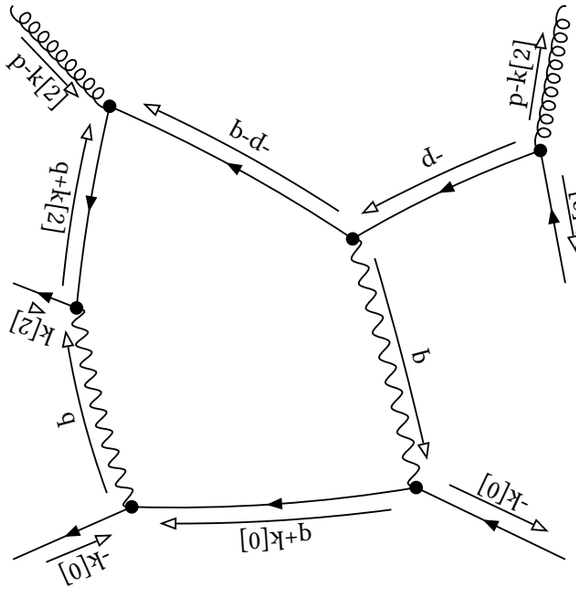
initial

Denominator:

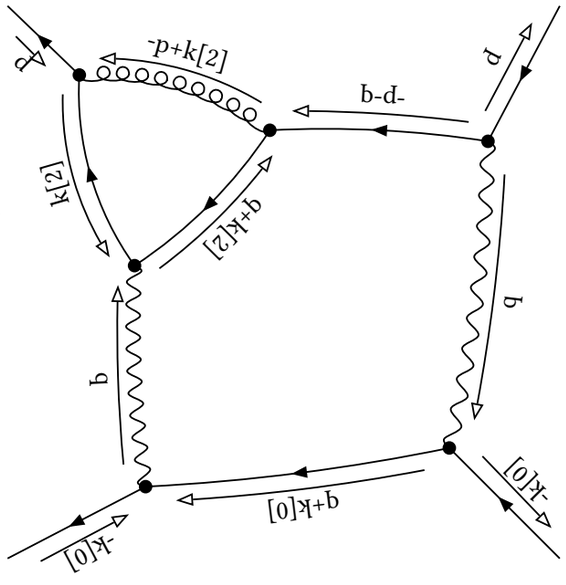
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 prop[0,-p-q]^-1
```

Partial Fractioned Denominator:

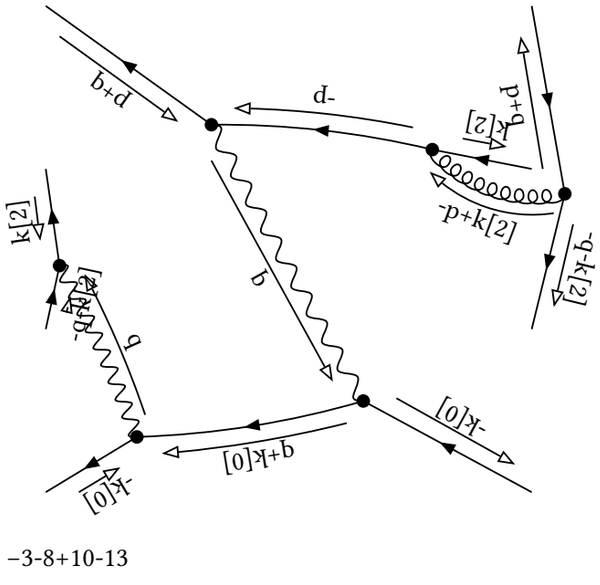
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 dot[p,p]^-1
```



−3+10-16



−3-15

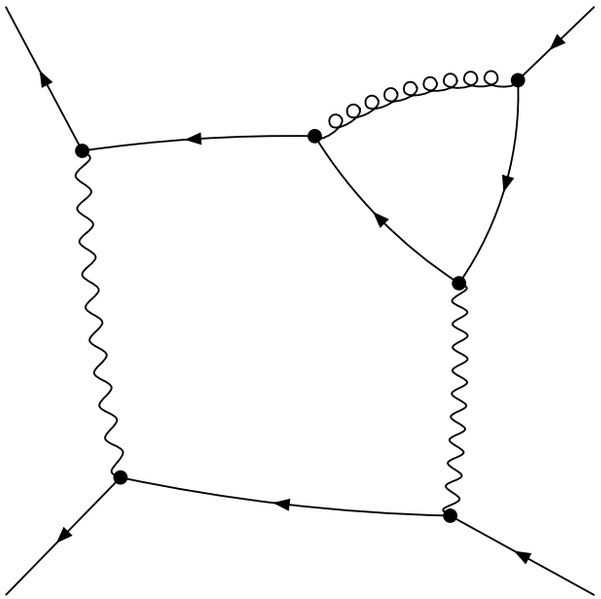


−3-8+10-13

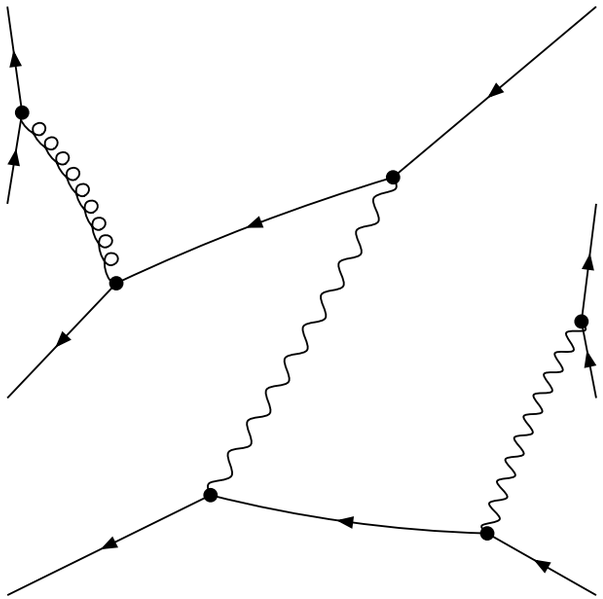
final

Denominator:

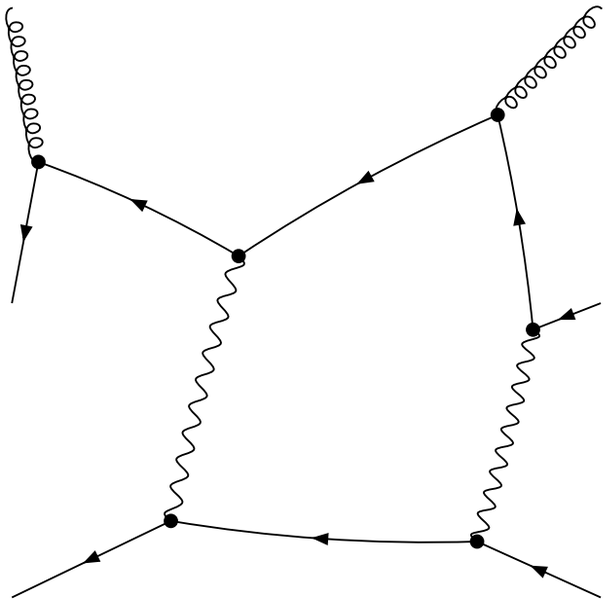
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[2]]^-1
```



−1-13



−1+8-10-15



−1+8-16

embedding 53 [1, 1, 0, 2]

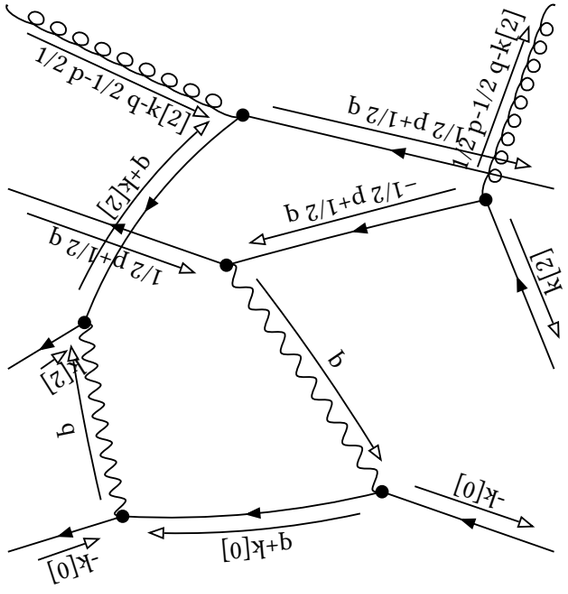
initial

Denominator:

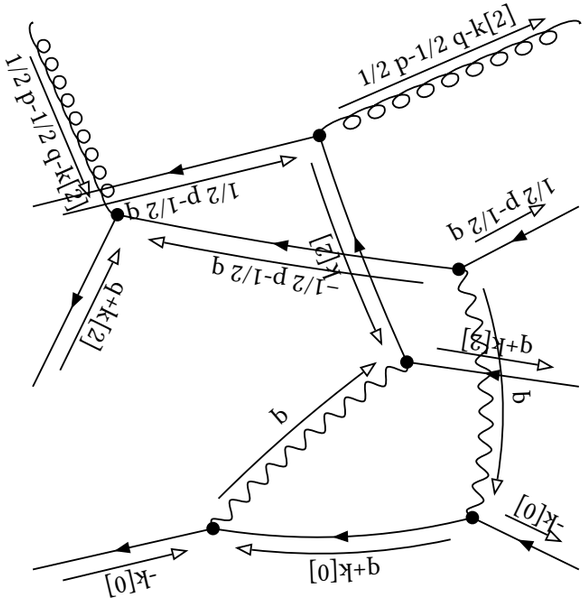
```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-1/2 p+1/2 q]^-1 prop[0,-1/2 p-1/2 q]^-1 prop[0,-1/2 p+1/2 q+k[2]]^-1
```

Partial Fractioned Denominator:

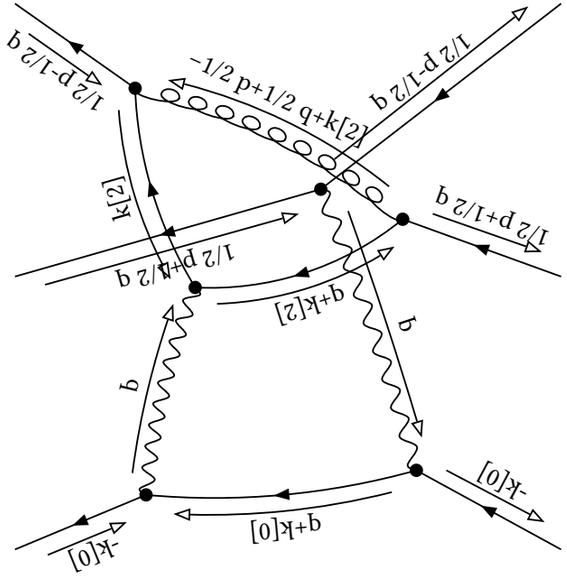
```
(1/4 dot[p,p]-1/2 dot[p,q]+1/4 dot[q,q])^-1 (1/4 dot[p,p]+1/2 dot[p,q]+1/4 dot[q,q])^-1 prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-1/2 p+1/2
q+k[2]]^-1
```



−3+10-13-16



−3+8-15-16



−3-13-15

final

Denominator:

```
0
```

embedding 54 [1, 1, 1, −2]

initial

Denominator:

```
0
```

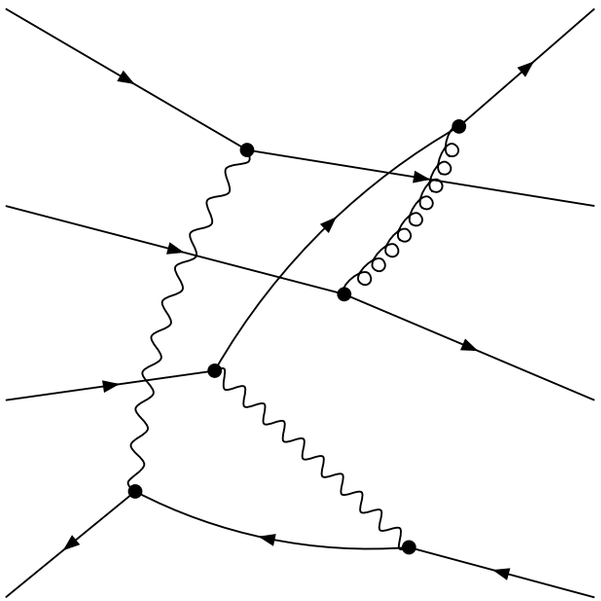
Partial Fractioned Denominator:

```
0
```

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+15

embedding 55 [1, 1, 1, −1]

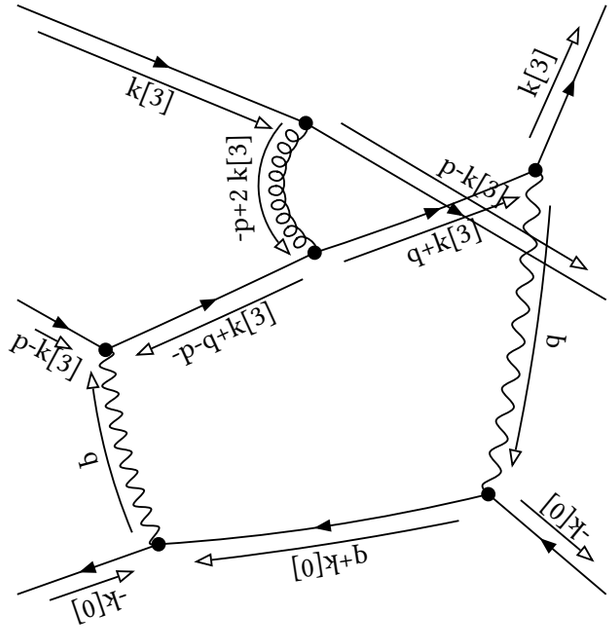
initial

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
```

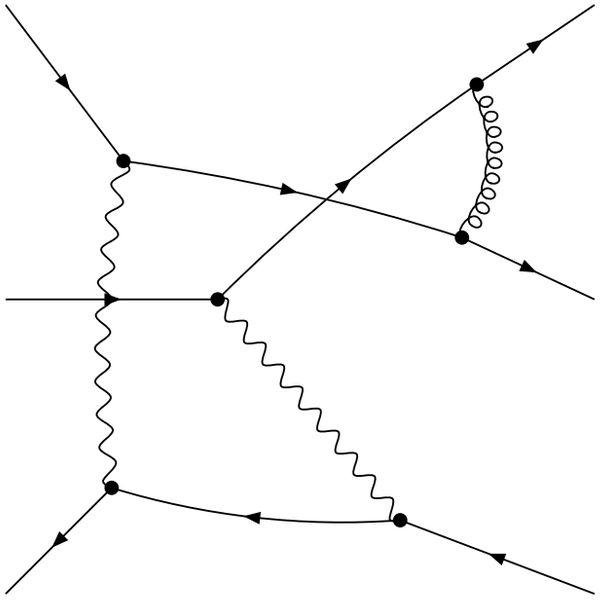


−3-8+13

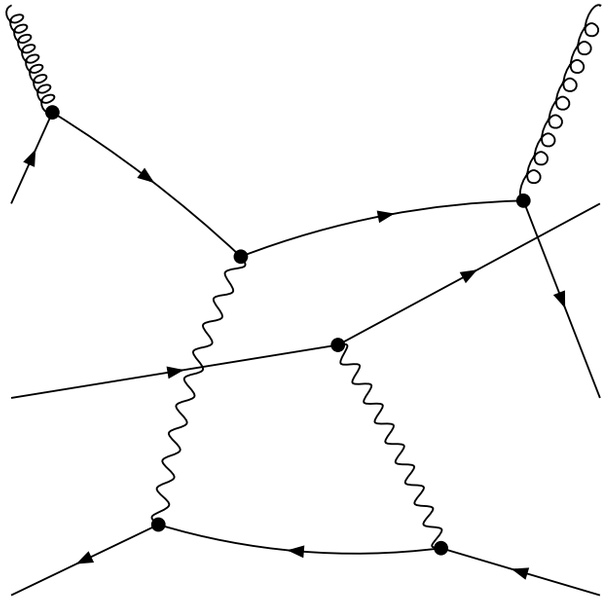
final

Denominator:

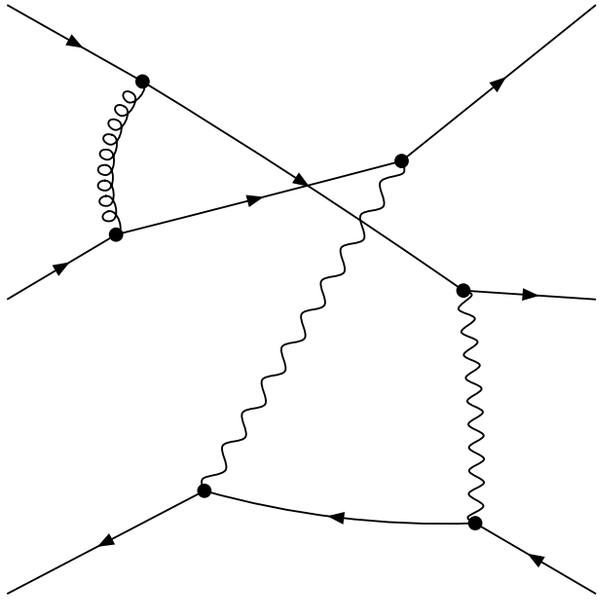
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p+q+k[3]]^-1 prop[0,-p+q+2 k[3]]^-1
```



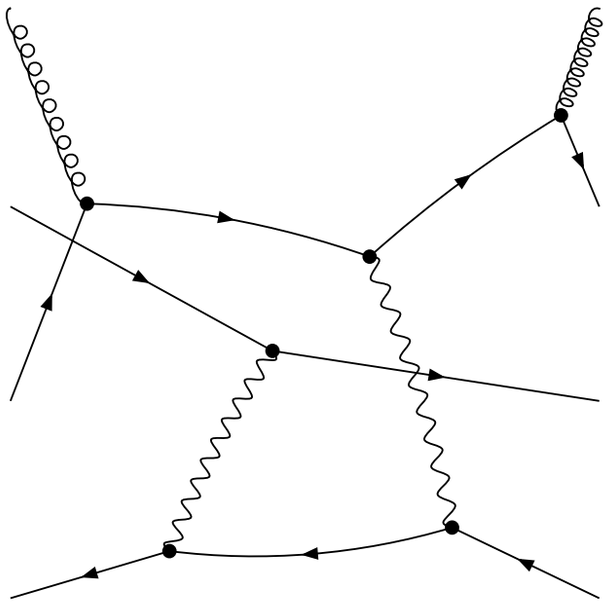
−1-8+15



−1-8-10+16



−1-10+13



−1+13+15-16

embedding 56 [1, 1, 1, 0]

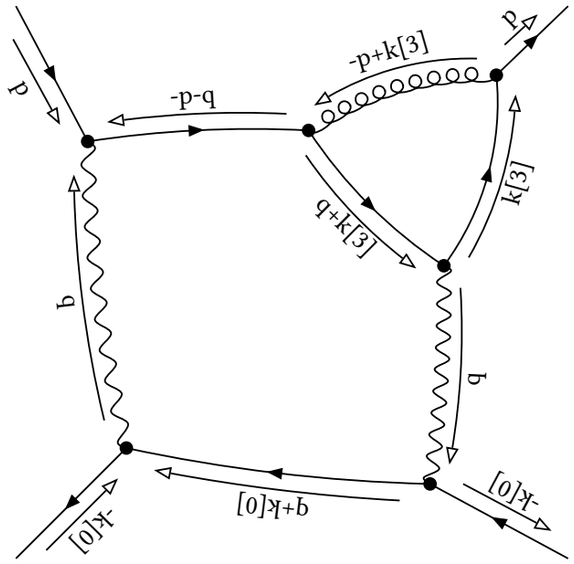
initial

Denominator:

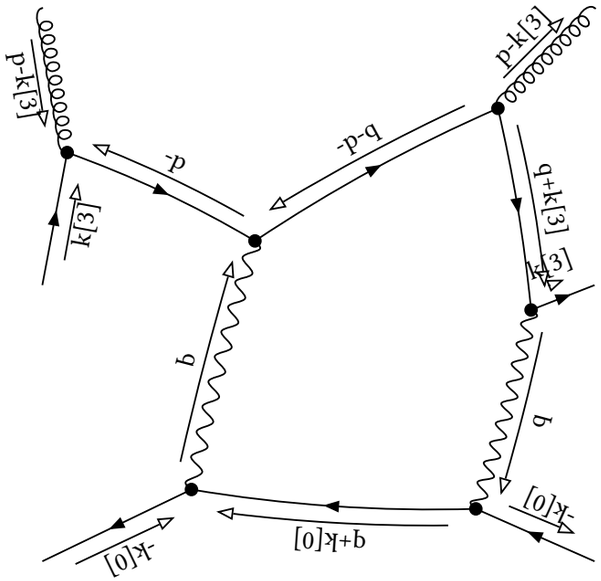
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p-q]^-1
```

Partial Fractioned Denominator:

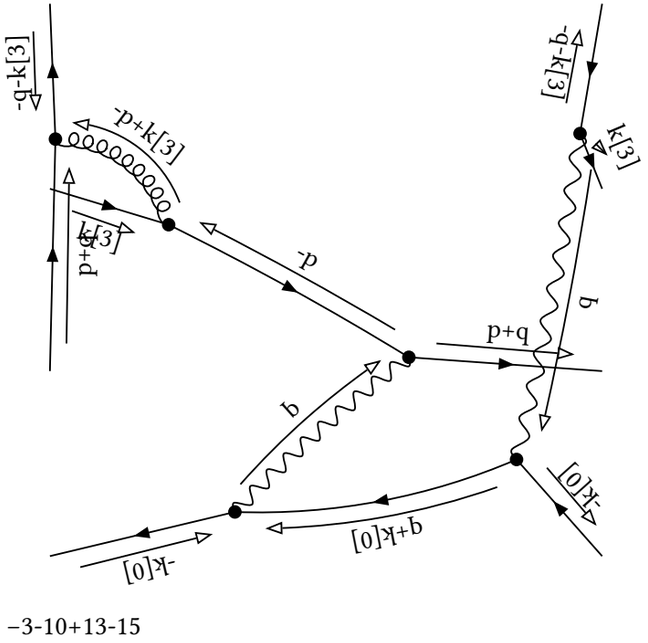
```
(dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 dot[p,p]^-1
```



−3-8



−3+13-16

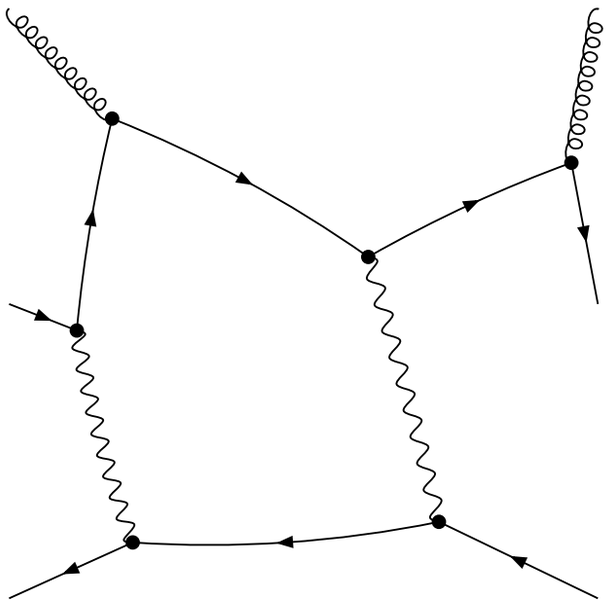


−3-10+13-15

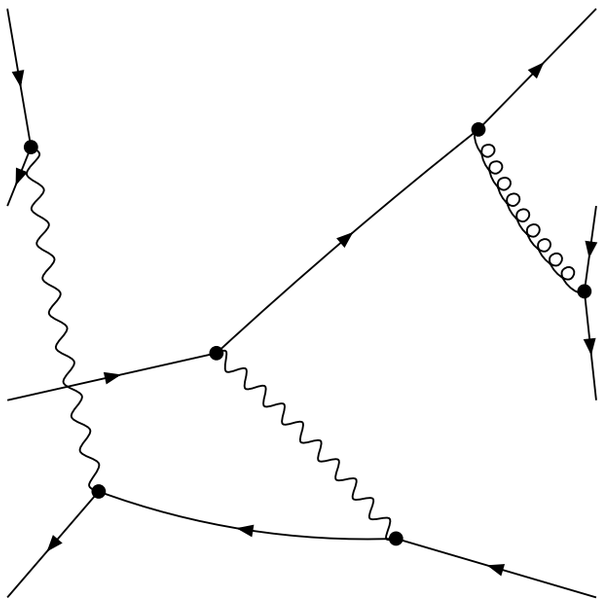
final

Denominator:

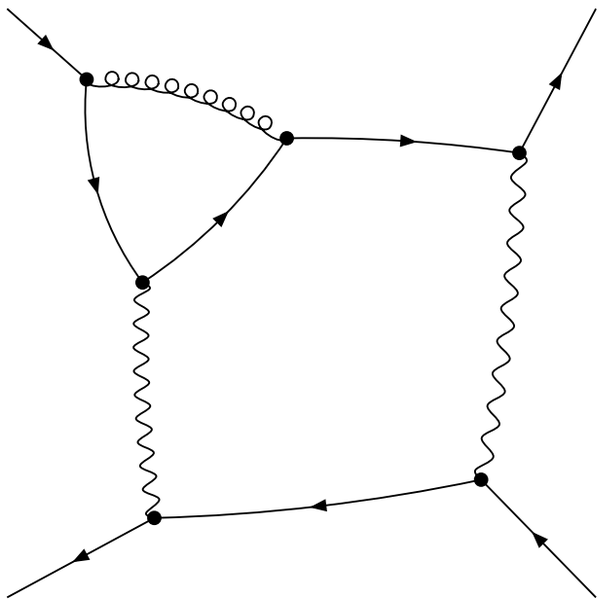
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p+q+k[3]]^-1
```



−1+15-16



−1-8-13+15



−1-10

embedding 57 [1, 1, 1, 1]

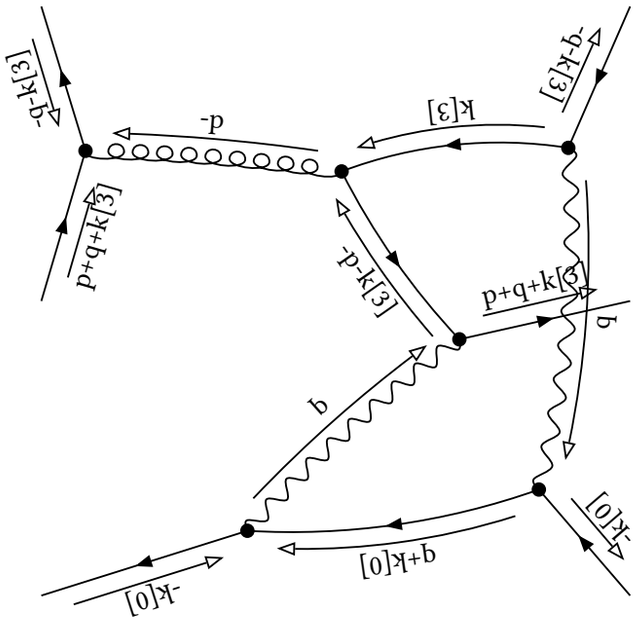
initial

Denominator:

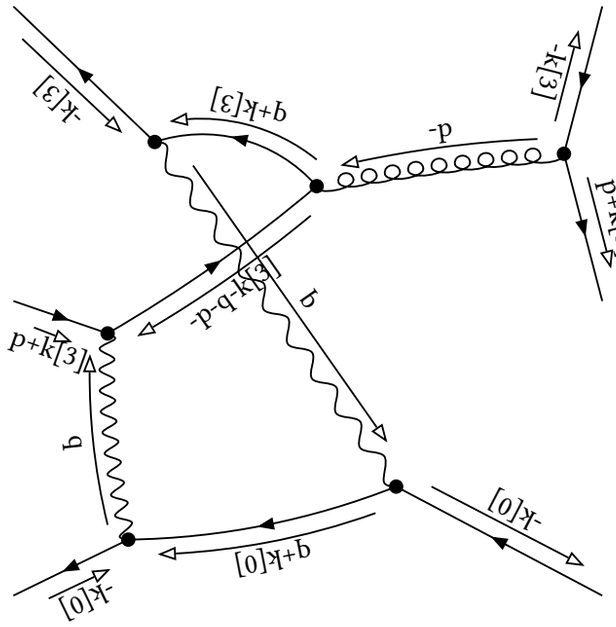
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1
```

Partial Fractioned Denominator:

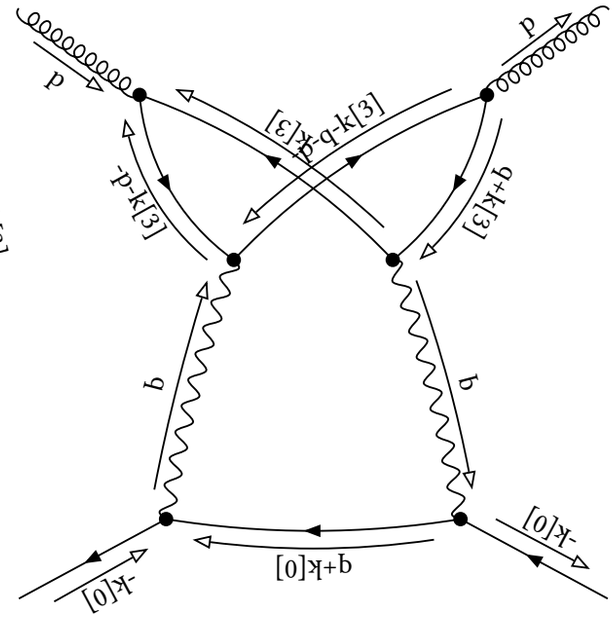
```
1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  -1/2 prop[0,k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1 dot[p,p]^-1 dot[p,q]^-1
  +1/2 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1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



−3-10-15



−3-8-13

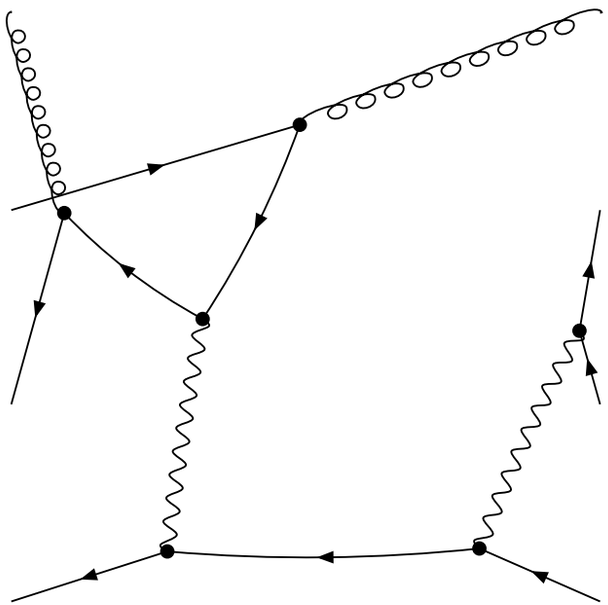


−3-16

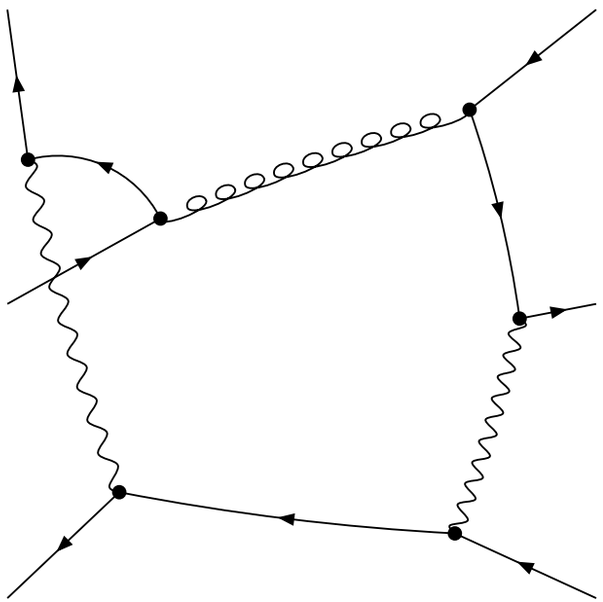
final

Denominator:

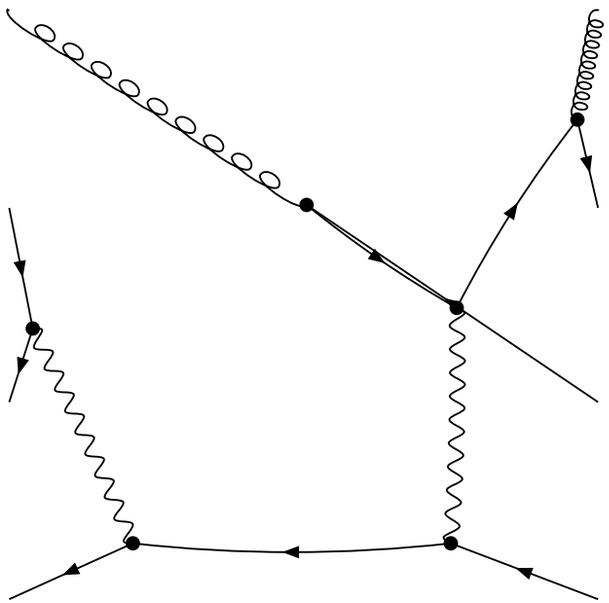
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p+q]^-1 prop[0,-p-k[3]]^-1 prop[0,-p+q-k[3]]^-1
```



−1+8-10-16



−1-10-13



−1-13+15-16

embedding 58 [1, 1, 1, 2]

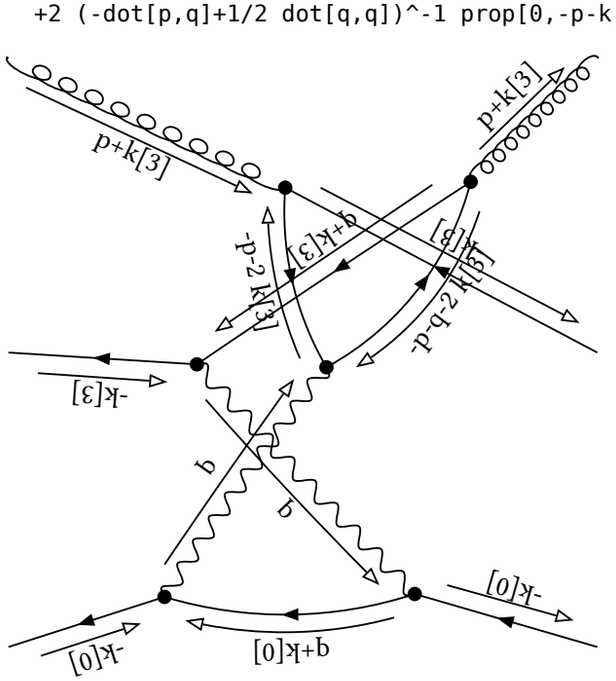
initial

Denominator:

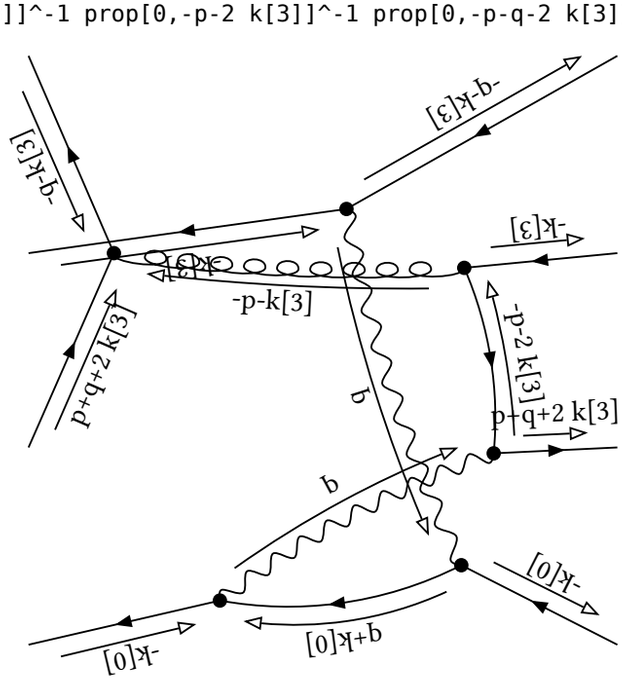
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-2 k[3]]^-1 prop[0,-p-q-2 k[3]]^-1
```

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
```



–3-13-16



–3-10-13-15

final

Denominator:

```
0
```

embedding 59 [1, 1, 2, −1]

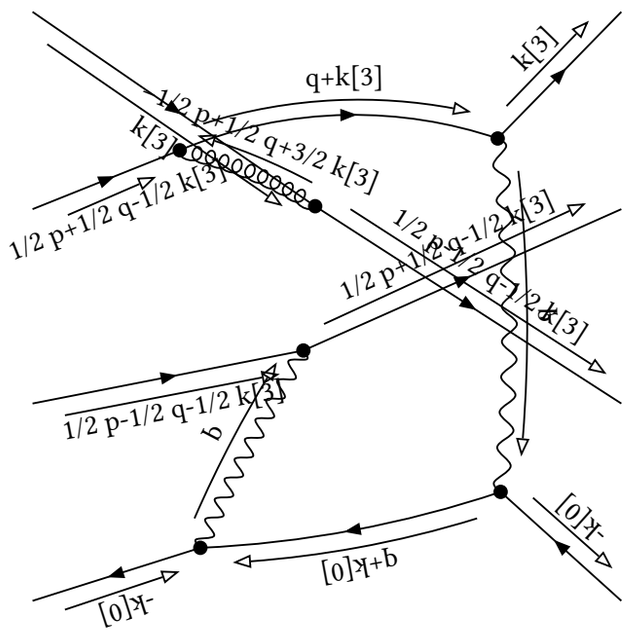
initial

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
```

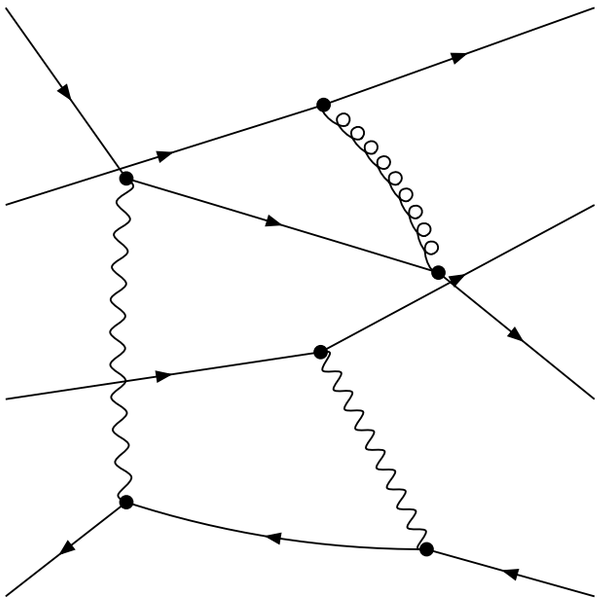


−3-8-10+13

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
```



−1-8-10+15

embedding 60 [1, 1, 2, 0]

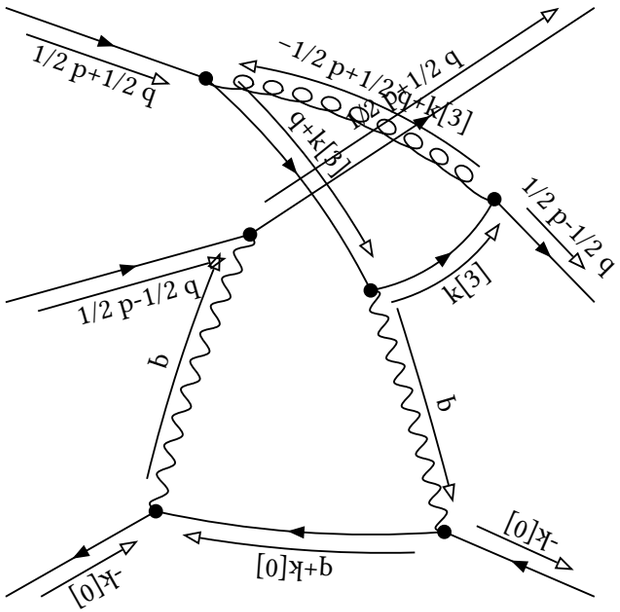
initial

Denominator:

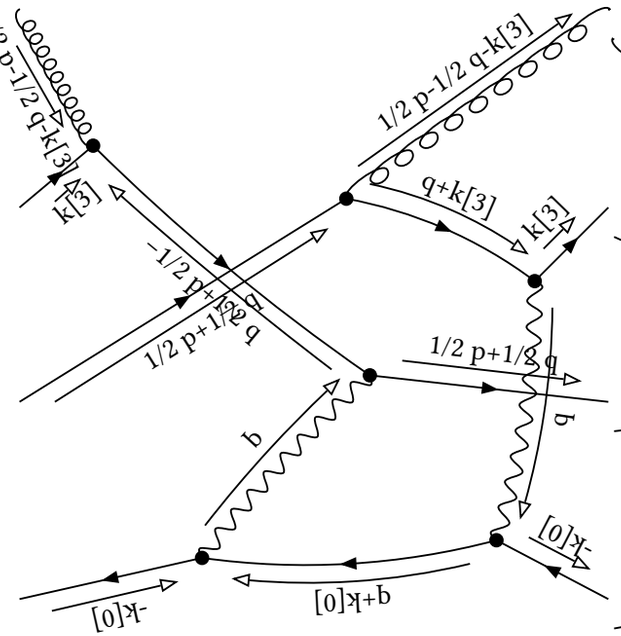
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q]^-1 prop[0,-1/2 p-1/2 q]^-1 prop[0,-1/2 p+1/2 q+k[3]]^-1
```

Partial Fractioned Denominator:

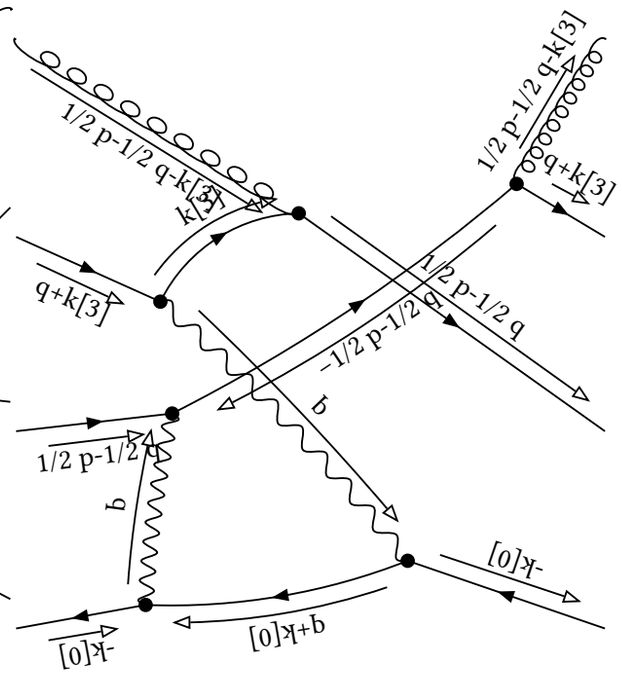
```
(1/4 dot[p,p]-1/2 dot[p,q]+1/4 dot[q,q])^-1 (1/4 dot[p,p]+1/2 dot[p,q]+1/4 dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2
q+k[3]]^-1
```



−3-8-10



−3-10+13-16



−3-8+15-16

final

Denominator:

```
0
```

embedding 61 [1, 1, 2, 1]

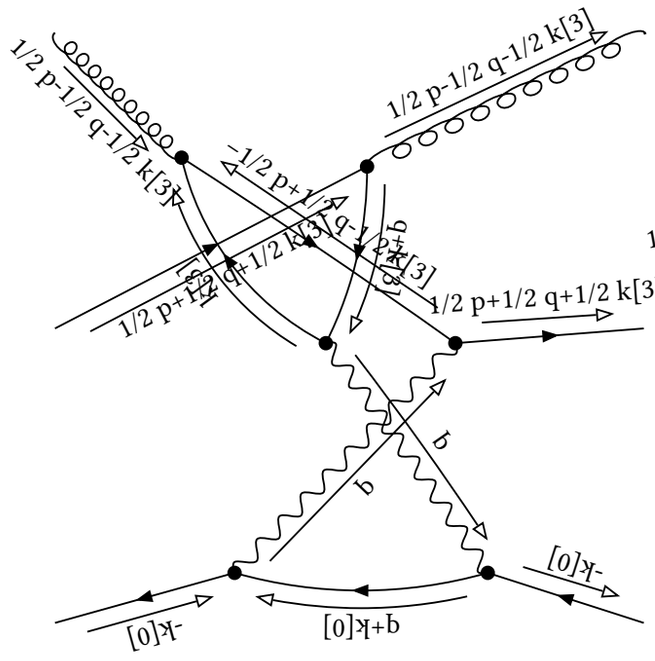
initial

Denominator:

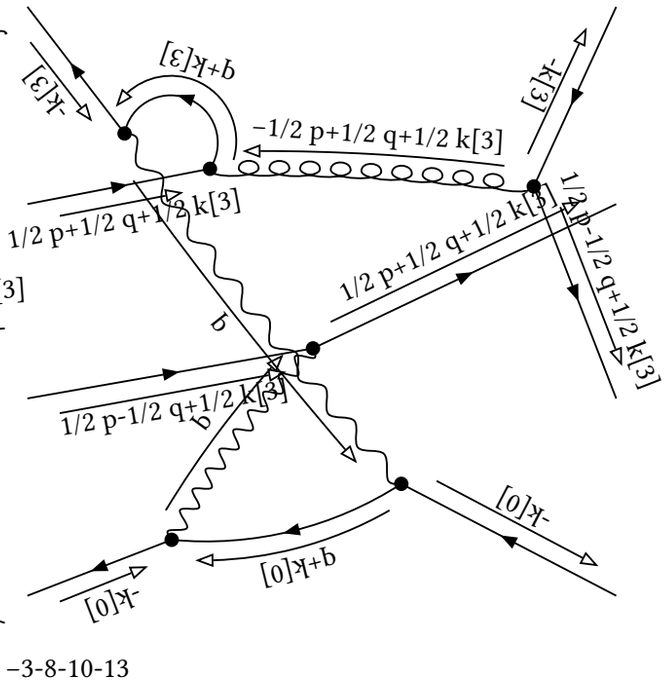
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q+1/2 k[3]]^-1 prop[0,-1/2 p+1/2 q-1/2 k[3]]^-1 prop[0,-1/2 p-1/2 q-1/2 k[3]]^-1
```

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
```



−3-10-16



−3-8-10-13

final

Denominator:

```
0
```

embedding 62 [1, 1, 2, 2]

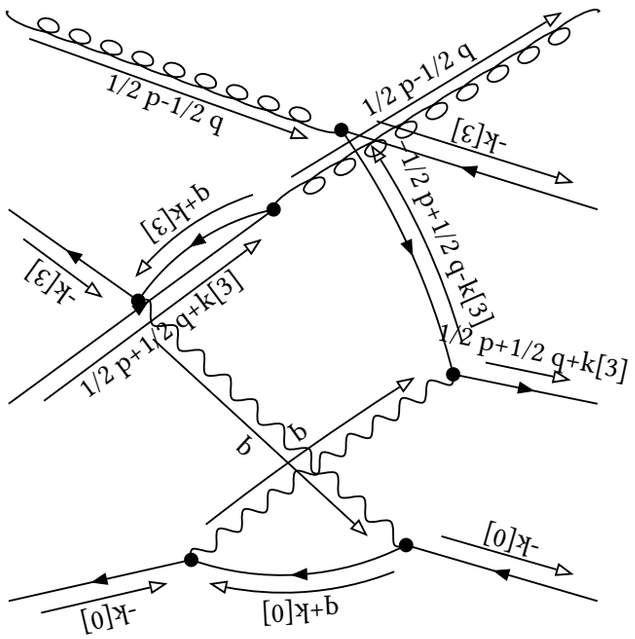
initial

Denominator:

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

Partial Fractioned Denominator:

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



–3-10-13-16

final

Denominator:

```
0
```

embedding 63 [1, 2, −1, 0]

initial

Denominator:

```
0
```

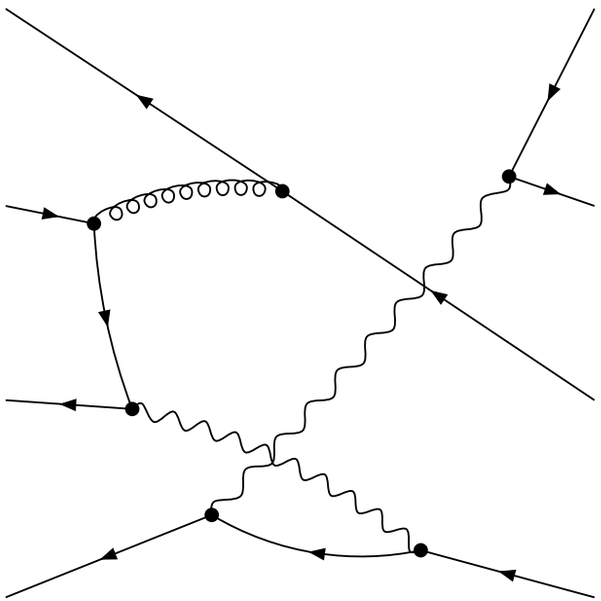
Partial Fractioned Denominator:

```
0
```

final

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
```



−1+10+13-15

embedding 64 [1, 2, −1, 1]

initial

Denominator:

```
0
```

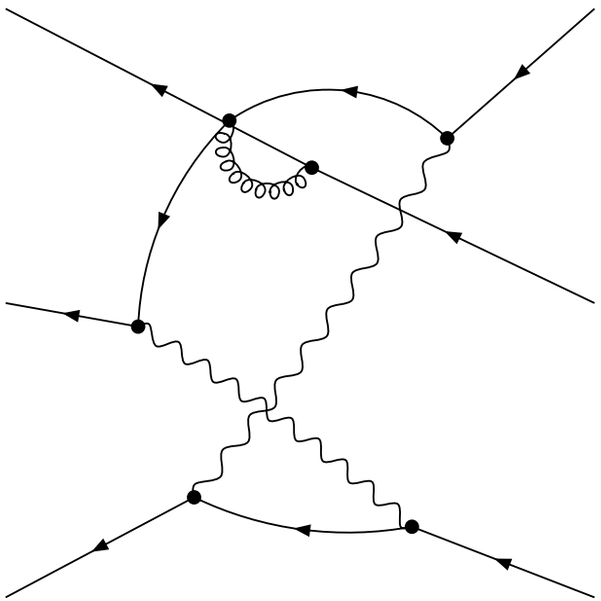
Partial Fractioned Denominator:

```
0
```

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+10-15

embedding 65 [1, 2, −1, 2]

initial

Denominator:

```
0
```

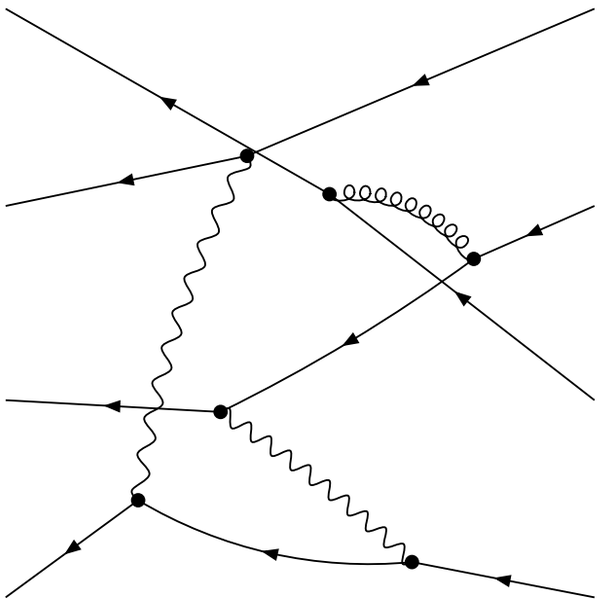
Partial Fractioned Denominator:

```
0
```

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+10-13-15

embedding 66 [1, 2, 0, −1]

initial

Denominator:

```
0
```

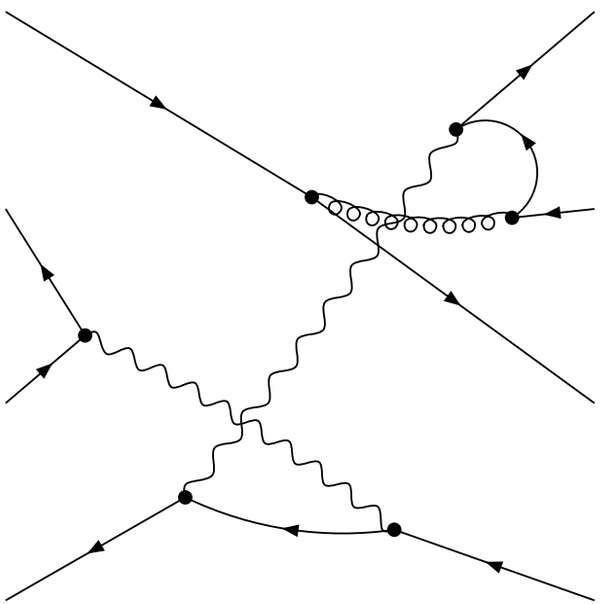
Partial Fractioned Denominator:

```
0
```

final

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
```



−1-8+10+13

embedding 67 [1, 2, 0, 0]

initial

Denominator:

```
0
```

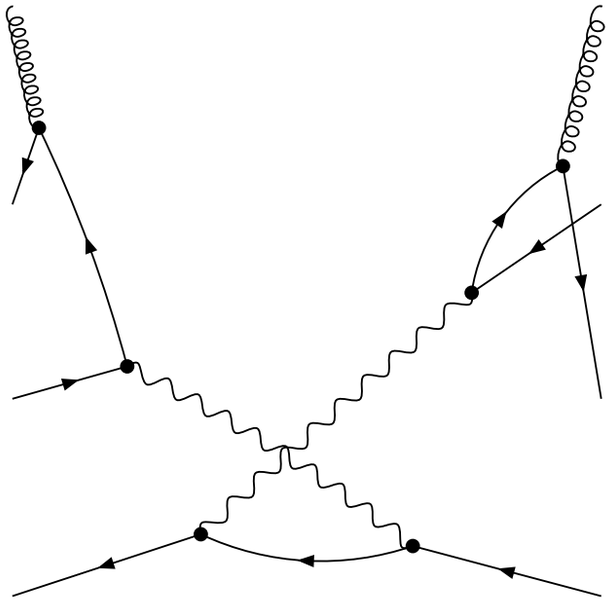
Partial Fractioned Denominator:

```
0
```

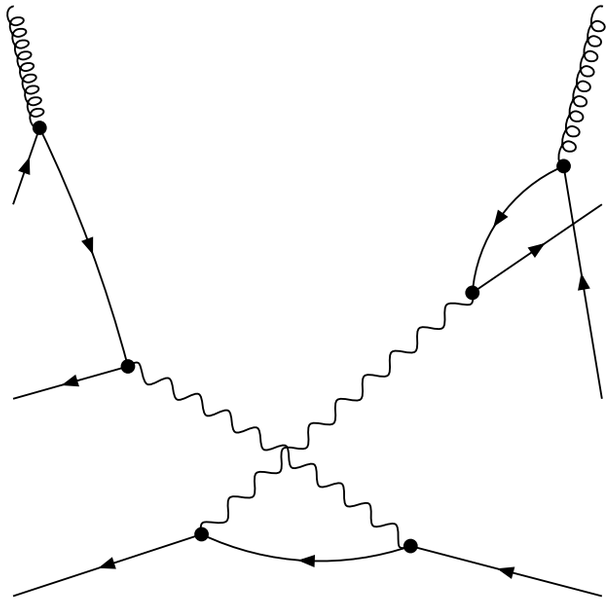
final

Denominator:

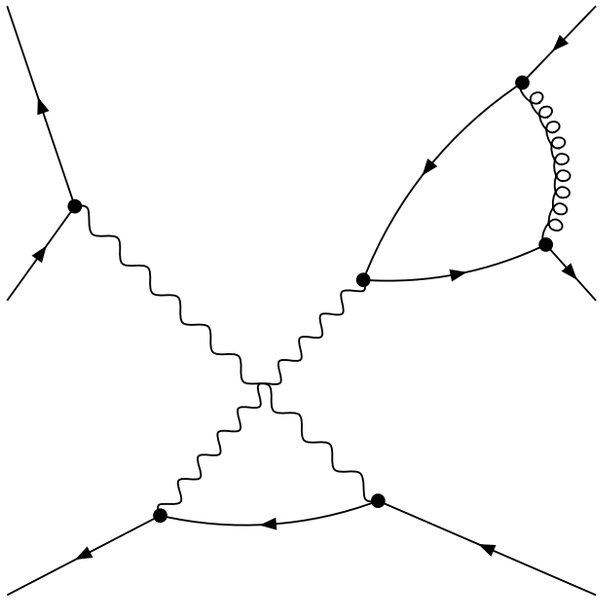
```
prop[0,k[2]]^-1 prop[0,k[3]]^-1 prop[0,q+k[2]]^-1 prop[0,q+k[3]]^-1 prop[0,q+k[2]+k[3]]^-1
```



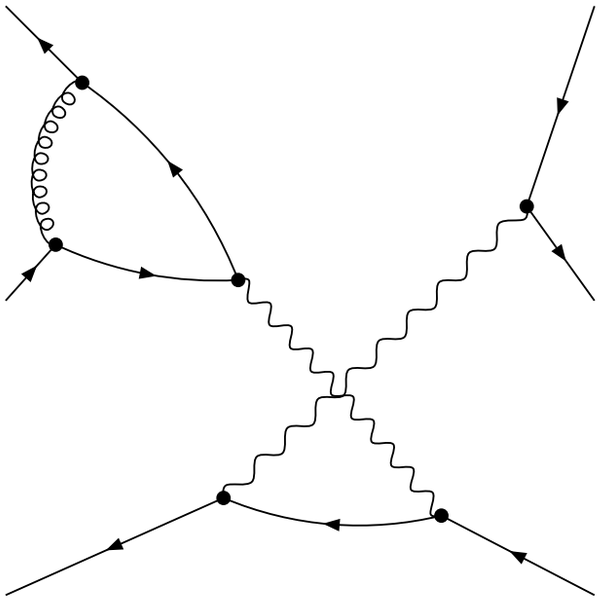
−1-8-15+16



−1+10+13-16



−1-8+10



−1+13-15

embedding 68 [1, 2, 0, 1]

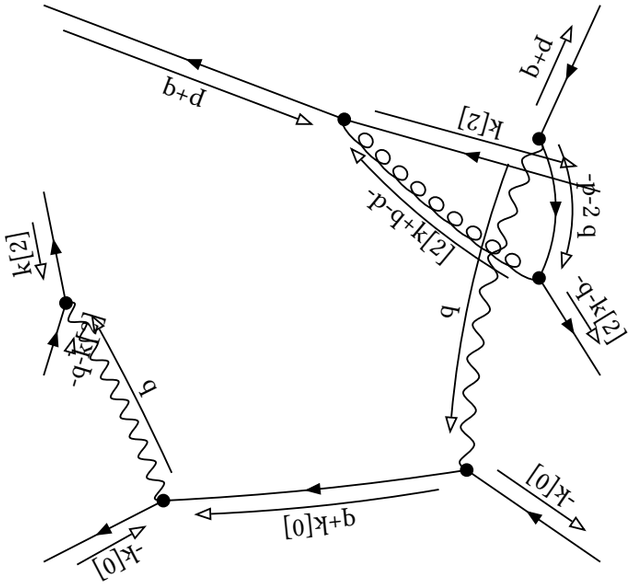
initial

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
```

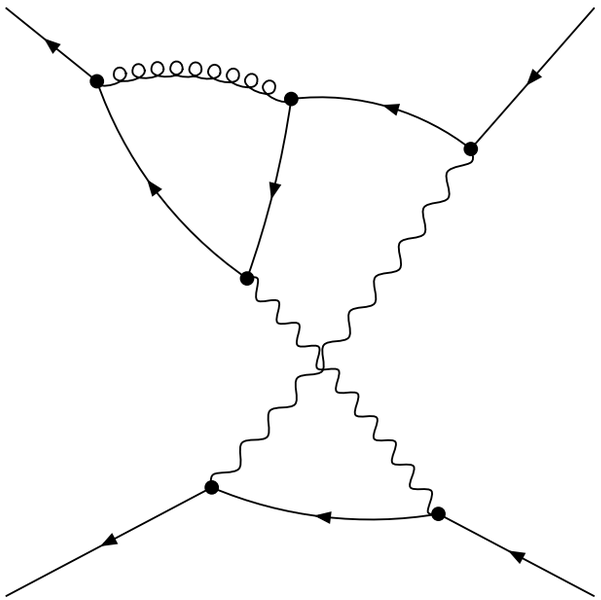


−3-8+10-15

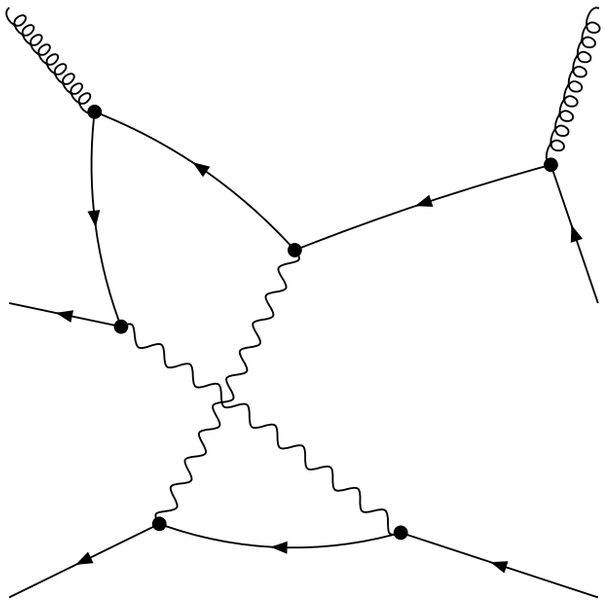
final

Denominator:

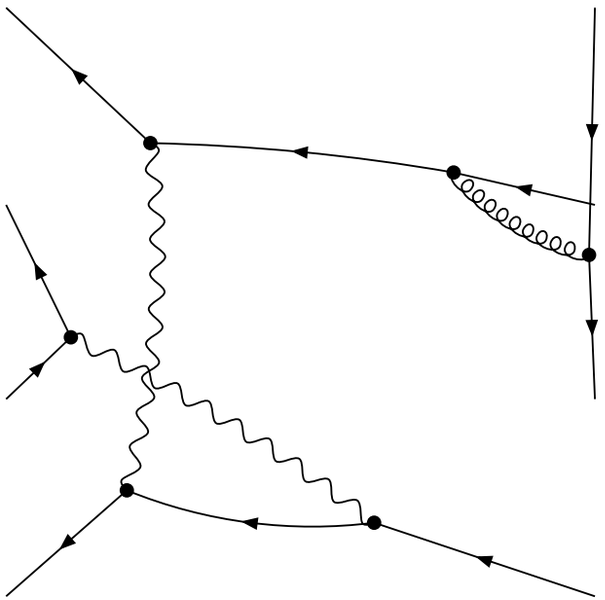
```
prop[0,k[2]]^-1 prop[0,-p]^-1 prop[0,q+k[2]]^-1 prop[0,-p+k[2]]^-1 prop[0,-p-q]^-1
```



−1-15



−1+10-16



−1-8+10-13

embedding 69 [1, 2, 0, 2]

initial

Denominator:

```
0
```

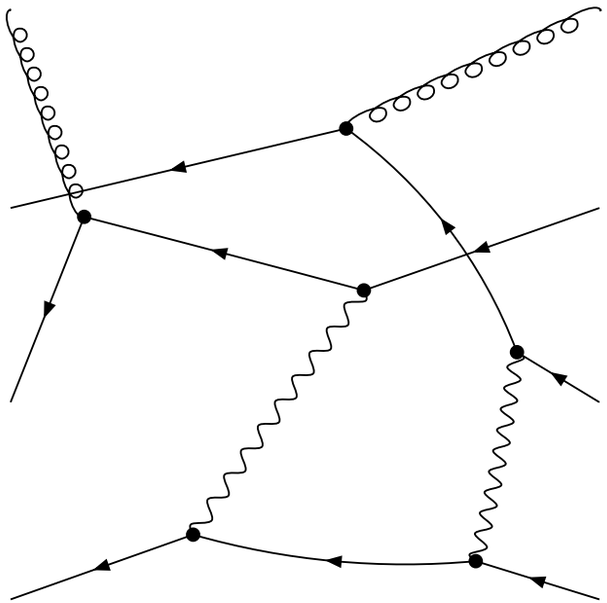
Partial Fractioned Denominator:

```
0
```

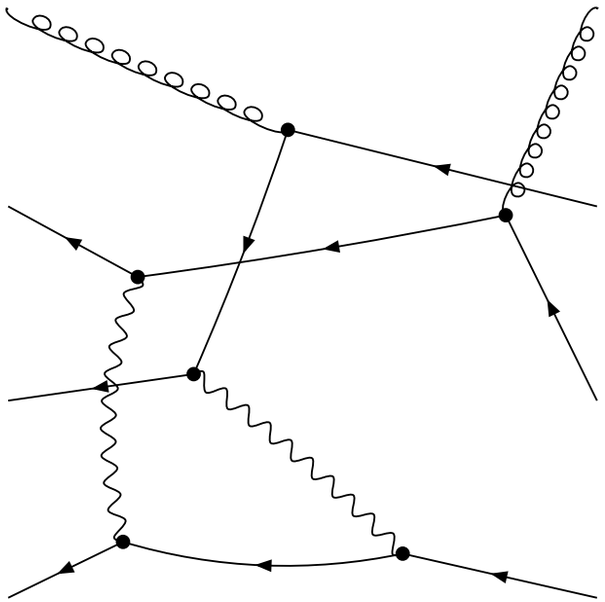
final

Denominator:

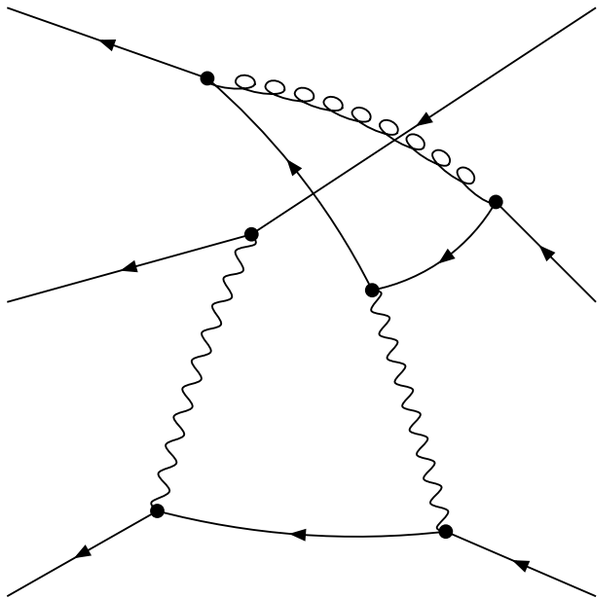
```
prop[0,k[2]]^-1 prop[0,q+k[2]]^-1 prop[0,-1/2 p+1/2 q]^-1 prop[0,-1/2 p-1/2 q]^-1 prop[0,-1/2 p+1/2 q+k[2]]^-1
```



−1+8-15-16



−1+10-13-16



−1-13-15

embedding 70 [1, 2, 1, −1]

initial

Denominator:

```
0
```

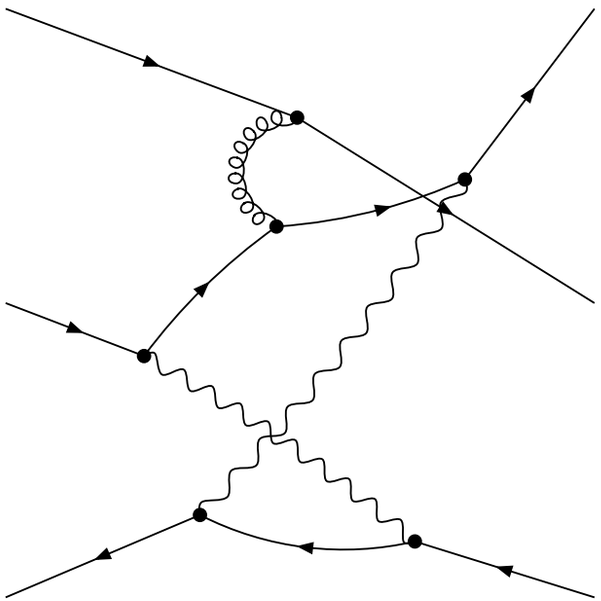
Partial Fractioned Denominator:

```
0
```

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+k[3]]^-1
```



−1-8+13

embedding 71 [1, 2, 1, 0]

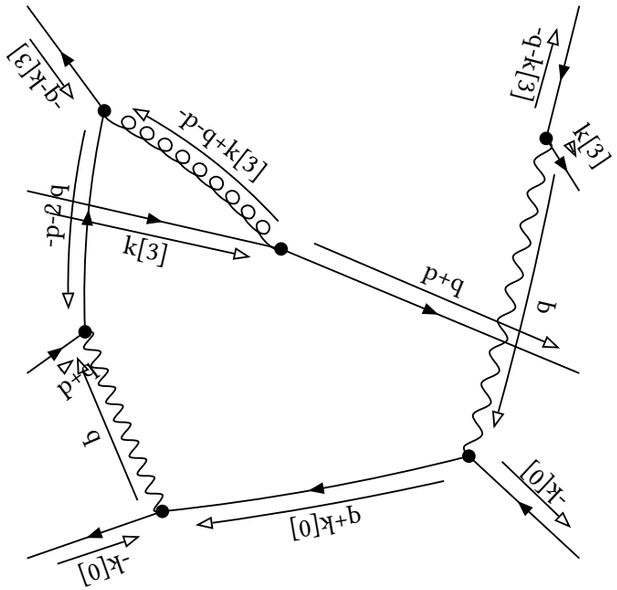
initial

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
```

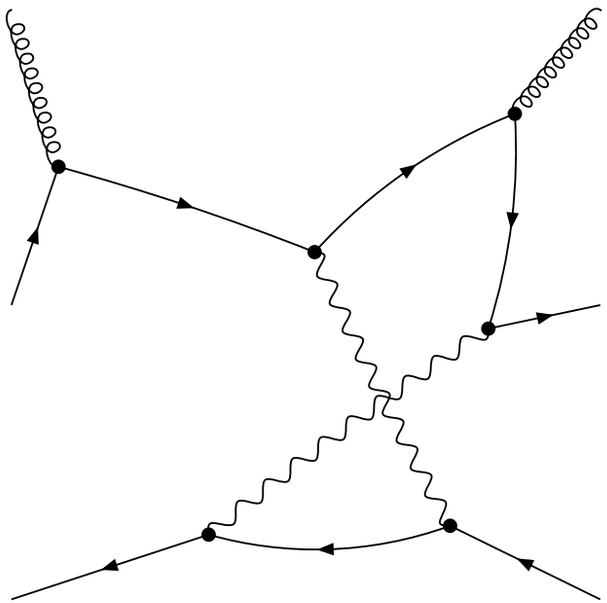


−3-8+13-15

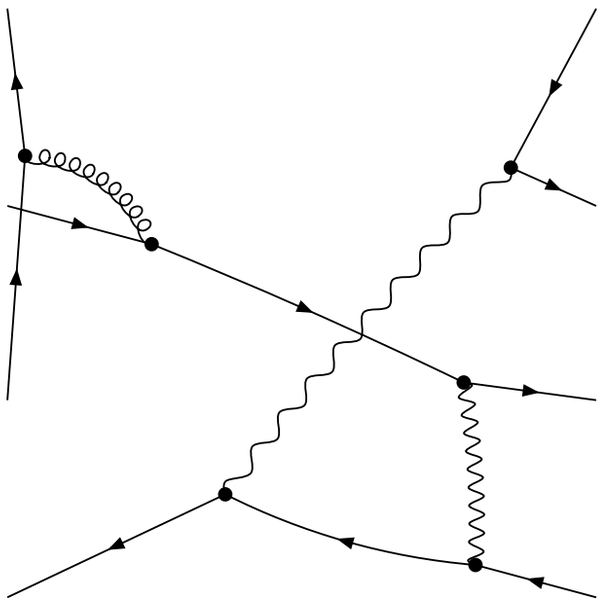
final

Denominator:

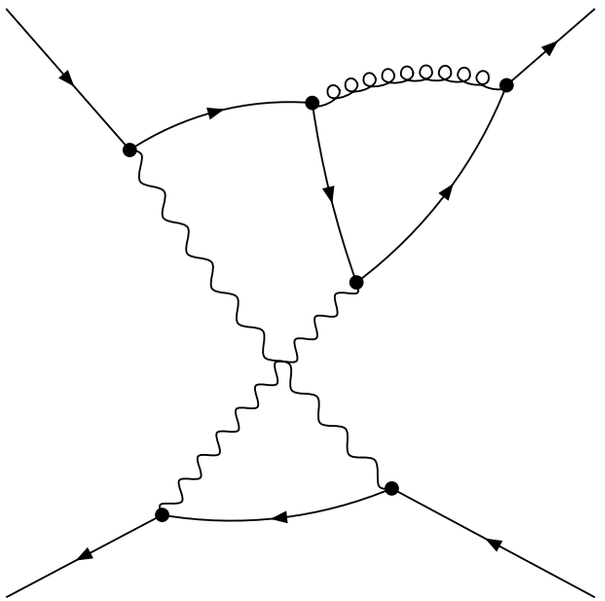
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p+k[3]]^-1 prop[0,-p-q]^-1
```



−1+13-16



−1-10+13-15



−1-8

embedding 72 [1, 2, 1, 1]

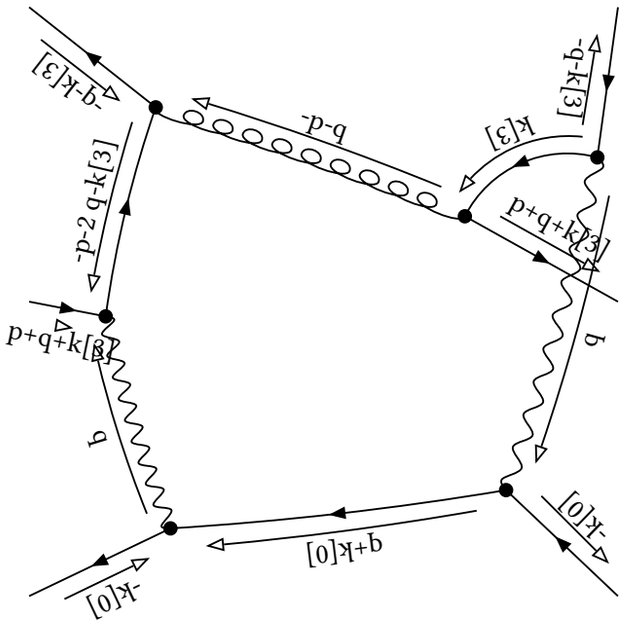
initial

Denominator:

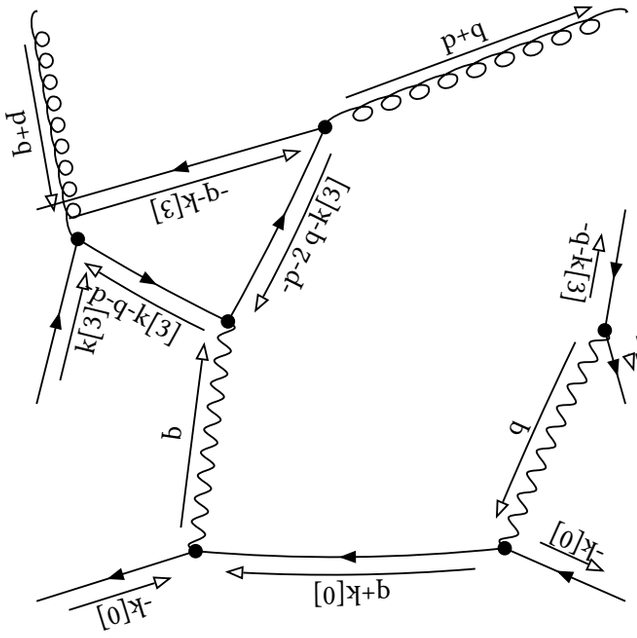
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q]^-1 prop[0,-p-q-k[3]]^-1 prop[0,-p-2 q-k[3]]^-1
```

Partial Fractioned Denominator:

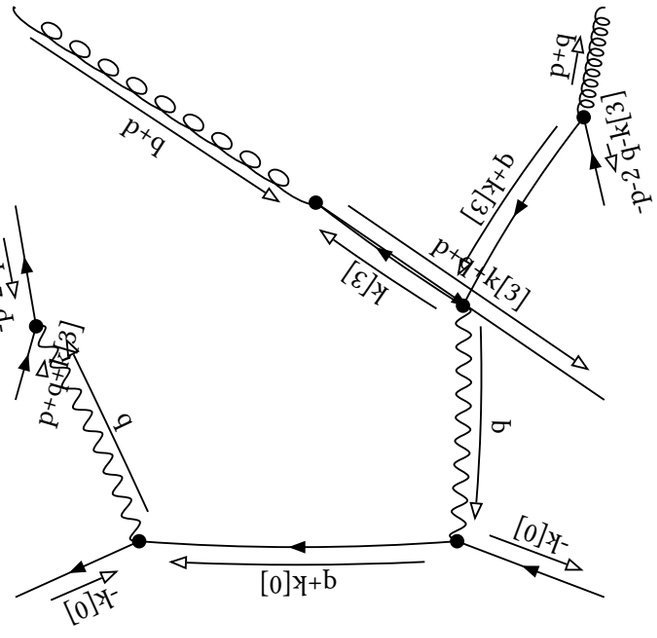
```
-(-2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1
  +(-2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1 prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-2 q-k[3]]^-1
  +(-2 dot[p,q]-2 dot[q,q])^-1 (dot[p,p]+2 dot[p,q]+dot[q,q])^-1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



−3-8-15



−3+13-15-16

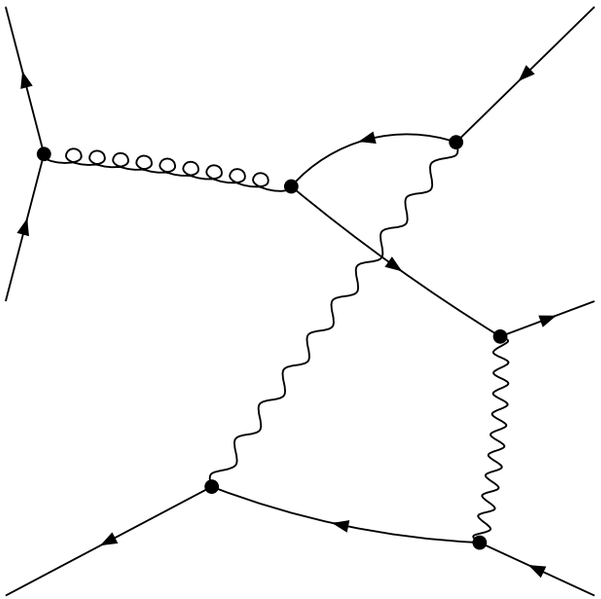


−3-8+10-16

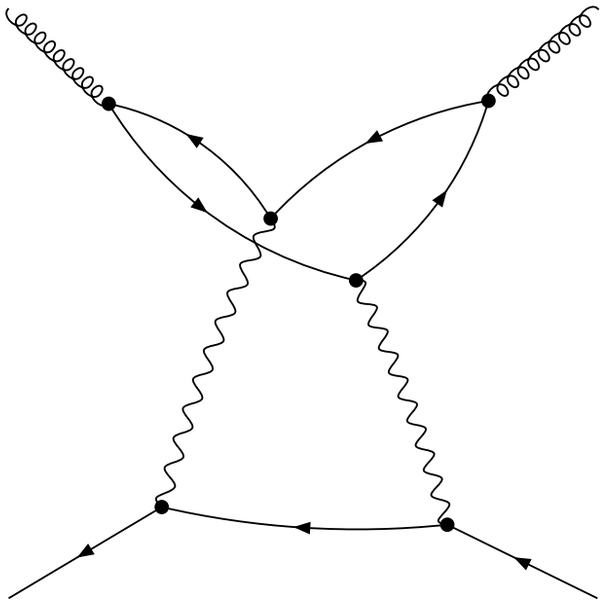
final

Denominator:

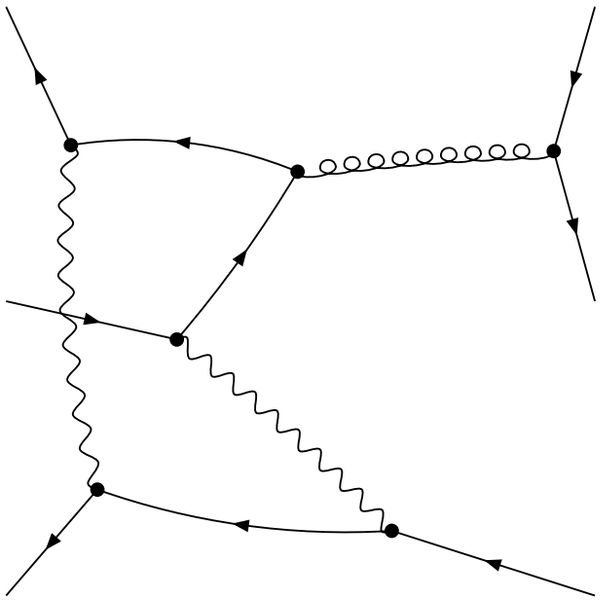
```
prop[0,k[3]]^-1 prop[0,-p]^-1 prop[0,q+k[3]]^-1 prop[0,-p-k[3]]^-1 prop[0,-p-q-k[3]]^-1
```



−1-10-15



−1-16



−1-8-13

embedding 73 [1, 2, 1, 2]

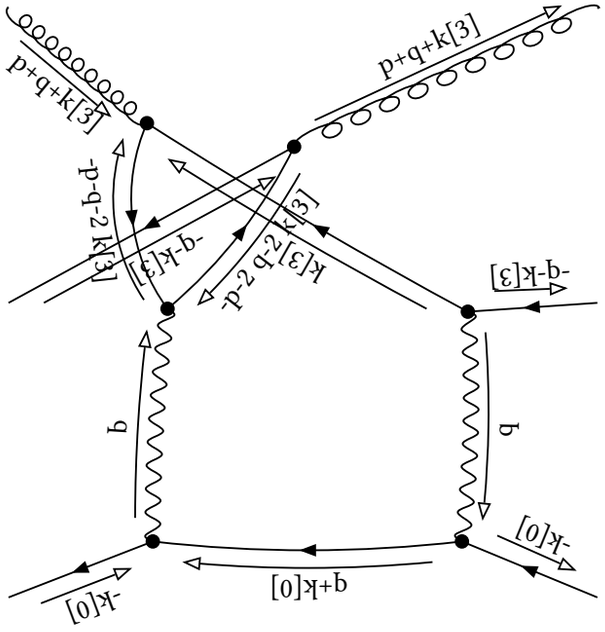
initial

Denominator:

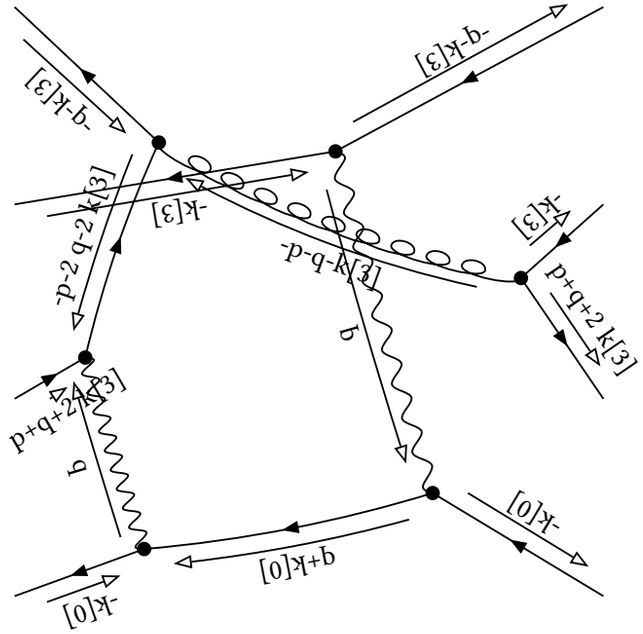
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q-k[3]]^-1 prop[0,-p-q-2 k[3]]^-1 prop[0,-p-2 q-2 k[3]]^-1
```

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
```



−3-15-16

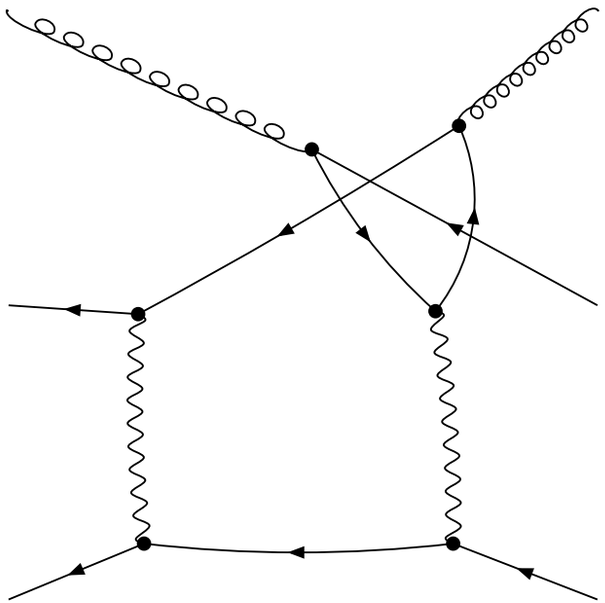


−3-8-13-15

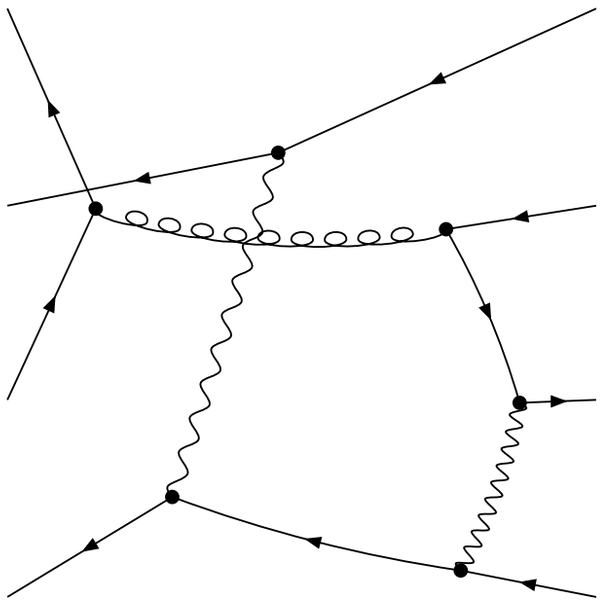
final

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
```



−1-13-16



−1-10-13-15

embedding 74 [1, 2, 1, 3]

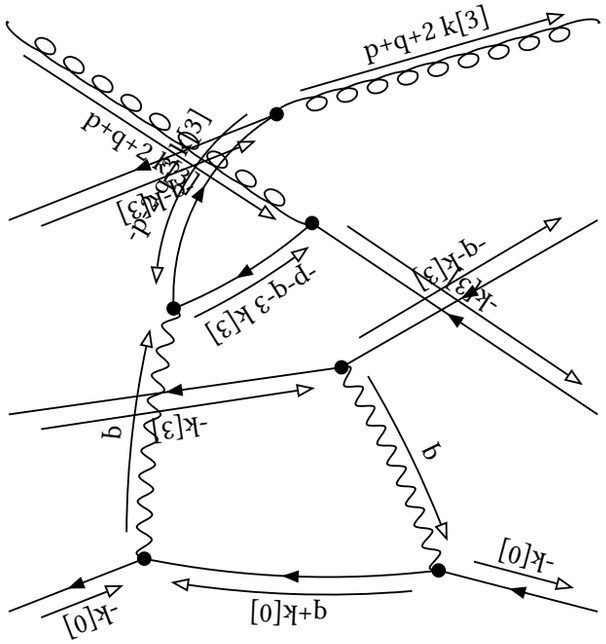
initial

Denominator:

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

Partial Fractioned Denominator:

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



–3-13-15-16

final

Denominator:

```
0
```

embedding 75 [1, 2, 2, −1]

initial

Denominator:

```
0
```

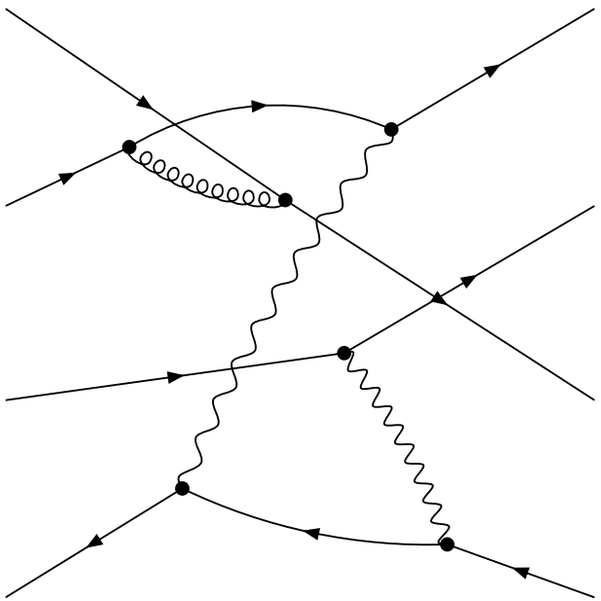
Partial Fractioned Denominator:

```
0
```

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
```



−1-8-10+13

embedding 76 [1, 2, 2, 0]

initial

Denominator:

```
0
```

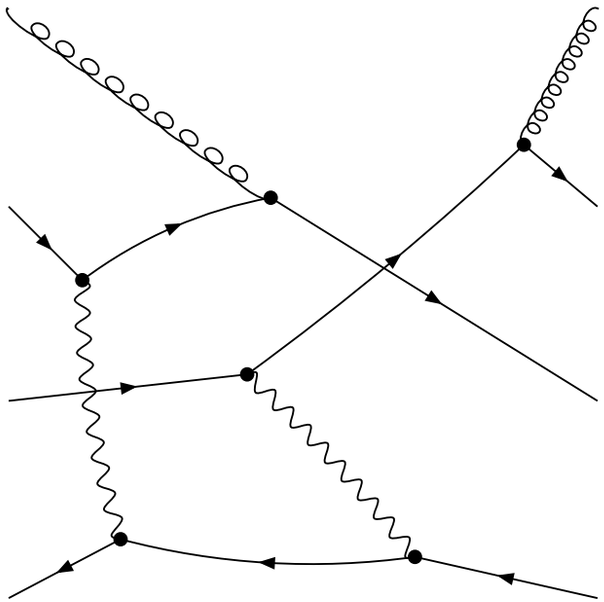
Partial Fractioned Denominator:

```
0
```

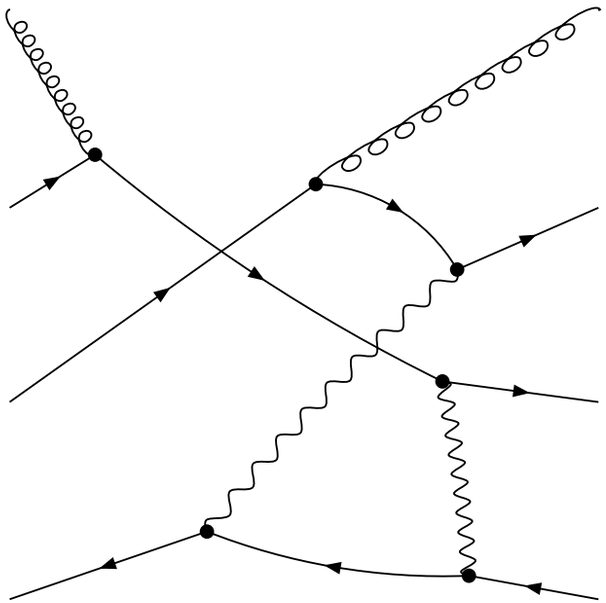
final

Denominator:

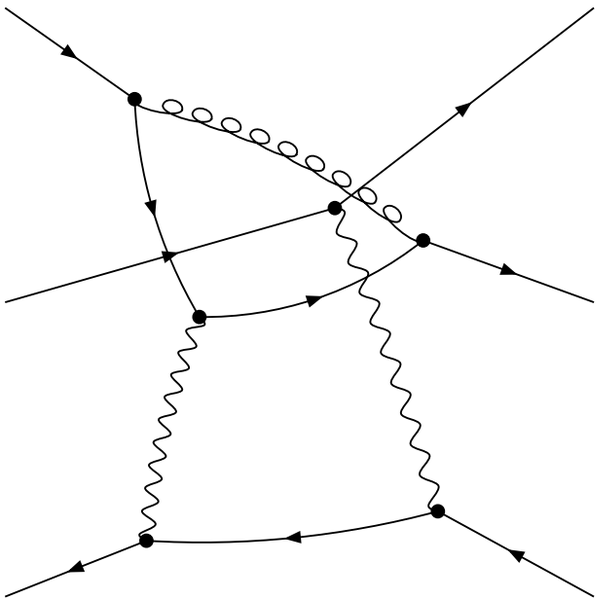
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 q]^-1 prop[0,-1/2 p-1/2 q]^-1 prop[0,-1/2 p+1/2 q+k[3]]^-1
```



−1-8+15-16



−1-10+13-16



−1-8-10

embedding 77 [1, 2, 2, 1]

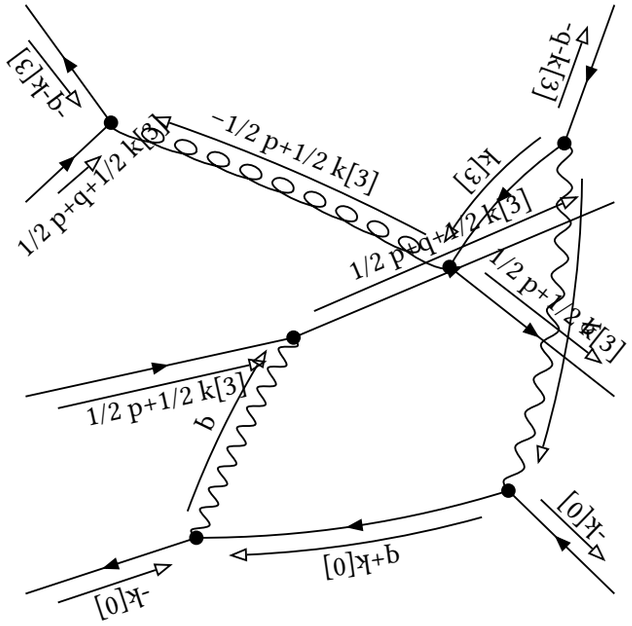
initial

Denominator:

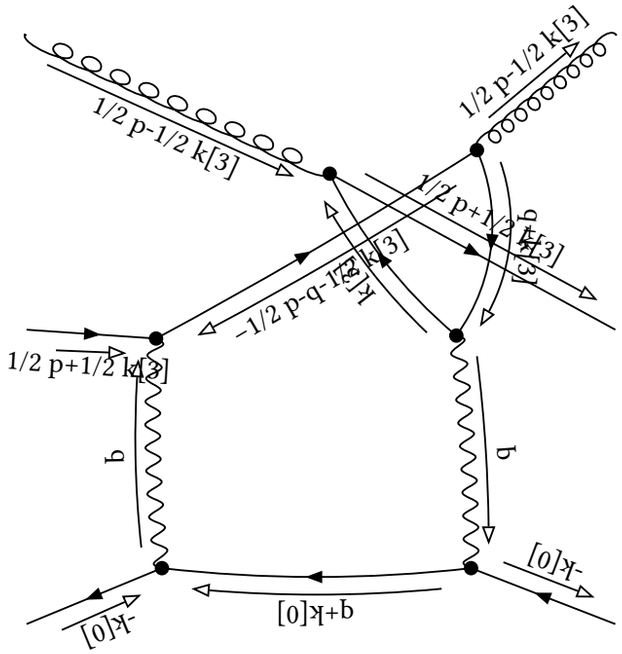
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-1/2 p+1/2 k[3]]^-1 prop[0,-1/2 p-1/2 k[3]]^-1 prop[0,-1/2 p-q-1/2 k[3]]^-1
```

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
```



−3-8-10-15

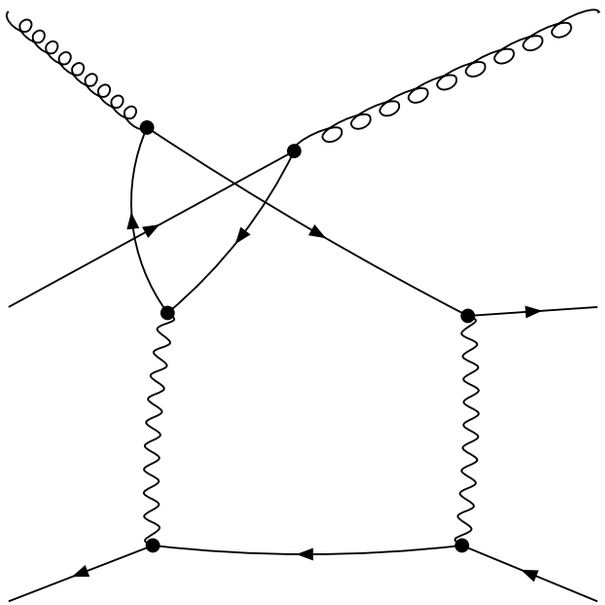


−3-8-16

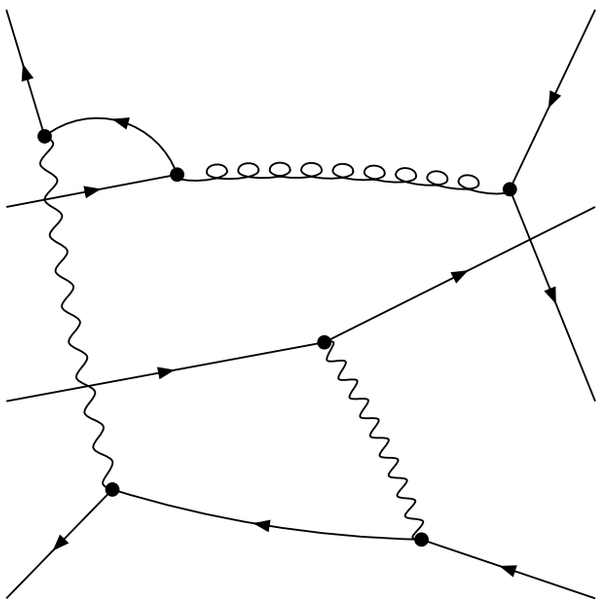
final

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
```



−1-10-16



−1-8-10-13

embedding 78 [1, 2, 2, 2]

initial

Denominator:

```
0
```

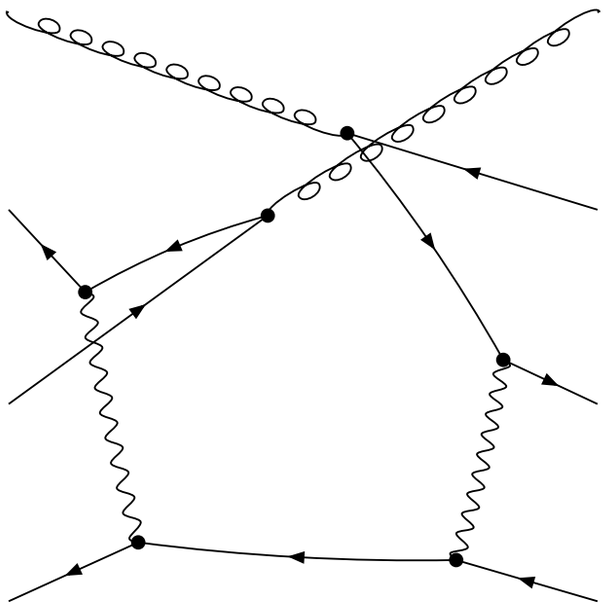
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1-10-13-16

embedding 79 [1, 2, 3, 1]

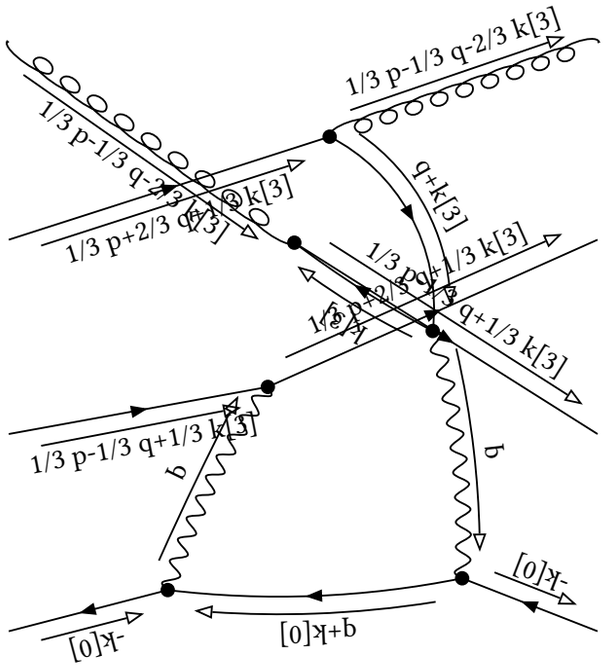
initial

Denominator:

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

Partial Fractioned Denominator:

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



−3-8-10-16

final

Denominator:

```
0
```

embedding 80 [1, 3, 0, 1]

initial

Denominator:

```
0
```

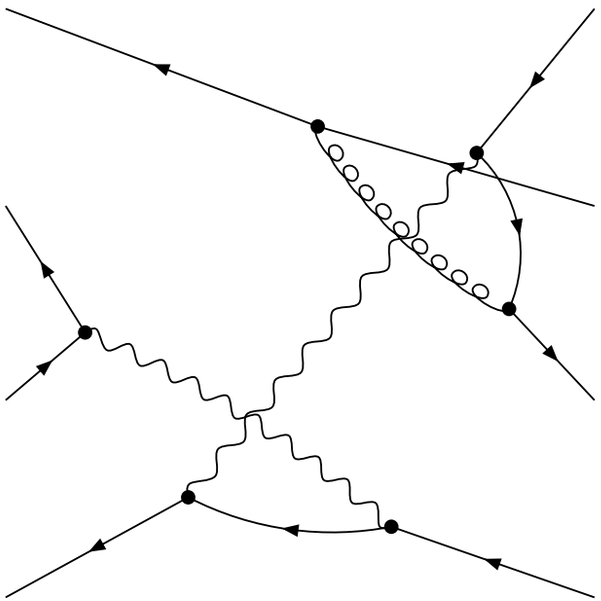
Partial Fractioned Denominator:

```
0
```

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+10-15

embedding 81 [1, 3, 1, 0]

initial

Denominator:

```
0
```

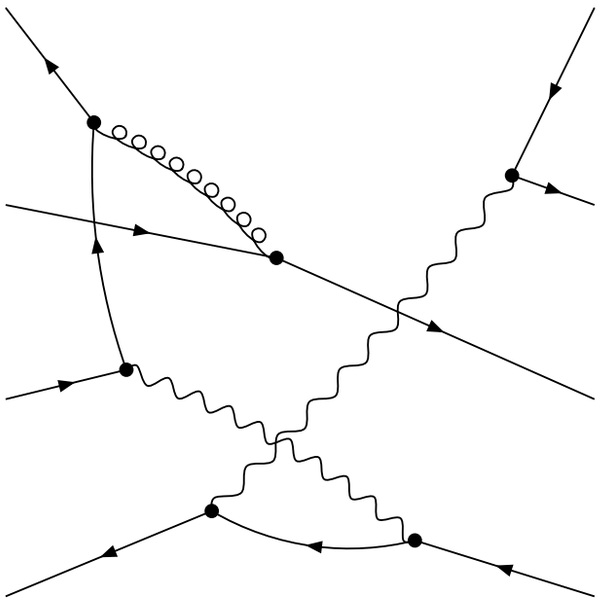
Partial Fractioned Denominator:

```
0
```

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+13-15

embedding 82 [1, 3, 1, 1]

initial

Denominator:

```
0
```

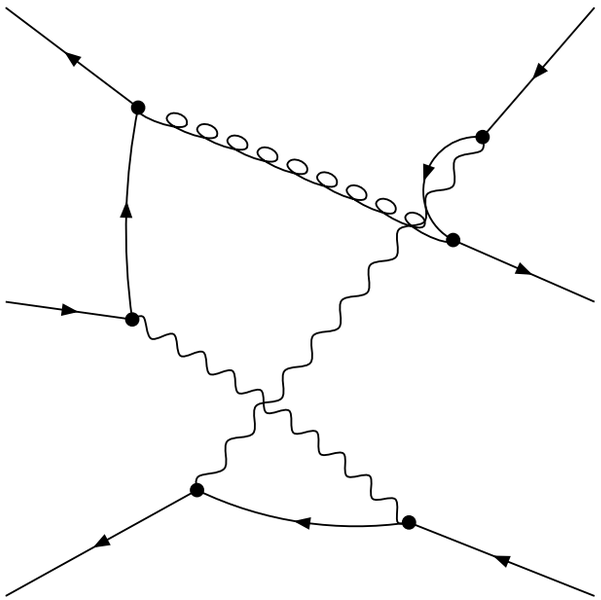
Partial Fractioned Denominator:

```
0
```

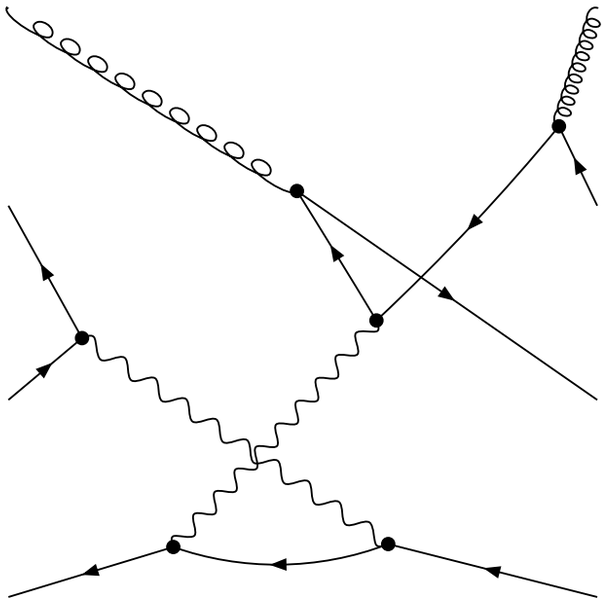
final

Denominator:

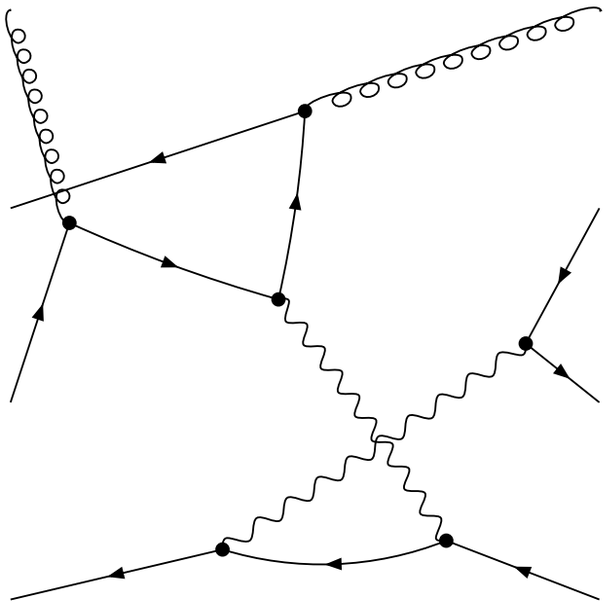
```
prop[0,k[3]]^-1 prop[0,q+k[3]]^-1 prop[0,-p-q]^-1 prop[0,-p-q-k[3]]^-1 prop[0,-p-2 q-k[3]]^-1
```



−1-8-15



−1-8+10-16



−1+13-15-16

embedding 83 [1, 3, 1, 2]

initial

Denominator:

```
0
```

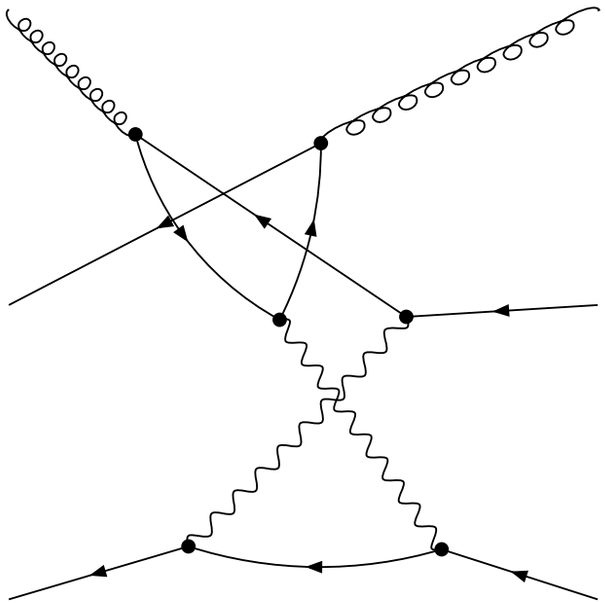
Partial Fractioned Denominator:

```
0
```

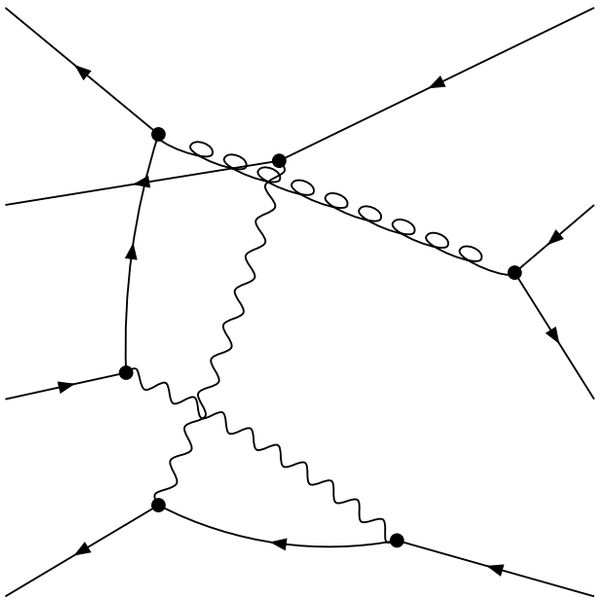
final

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
```



−1-15-16



−1-8-13-15

embedding 84 [1, 3, 1, 3]

initial

Denominator:

```
0
```

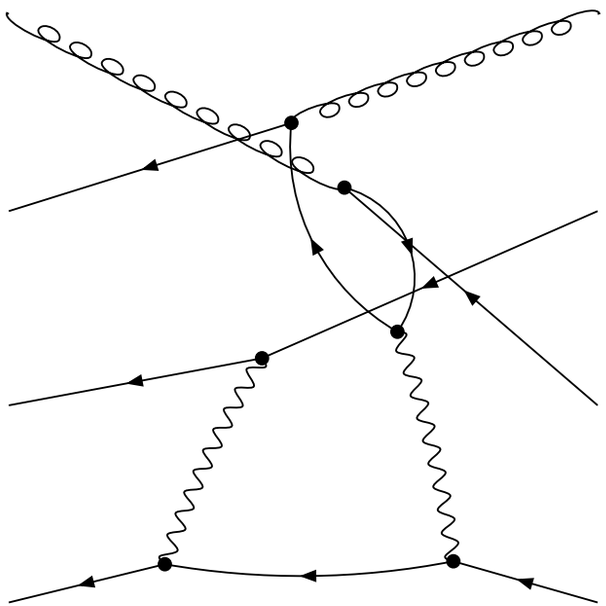
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1-13-15-16

embedding 85 [1, 3, 2, 1]

initial

Denominator:

```
0
```

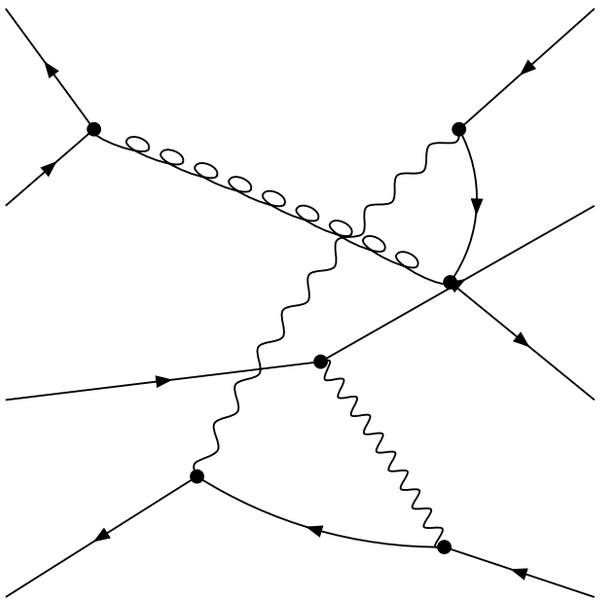
Partial Fractioned Denominator:

```
0
```

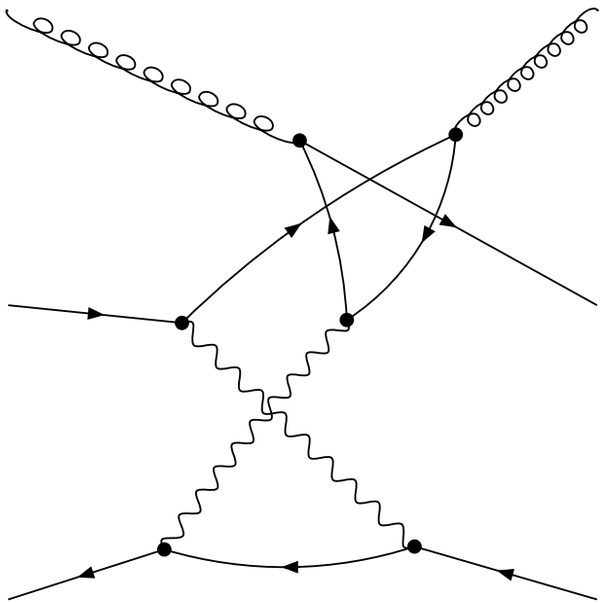
final

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
```



−1-8-10-15



−1-8-16

embedding 86 [1, 3, 2, 2]

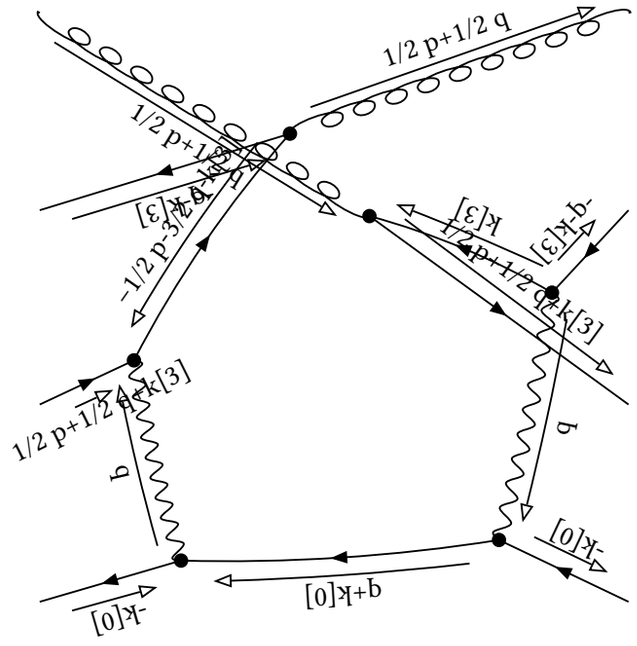
initial

Denominator:

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

Partial Fractioned Denominator:

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



–3-8-15-16

final

Denominator:

```
0
```

embedding 87 [1, 3, 3, 1]

initial

Denominator:

```
0
```

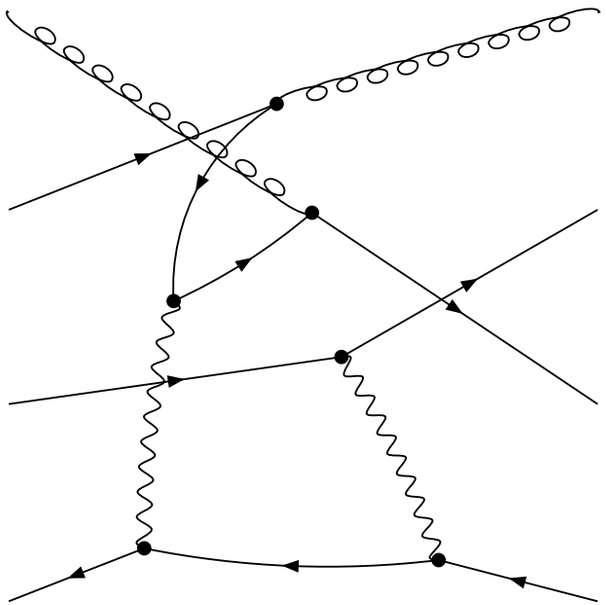
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1-8-10-16

embedding 88 [1, 4, 2, 2]

initial

Denominator:

```
0
```

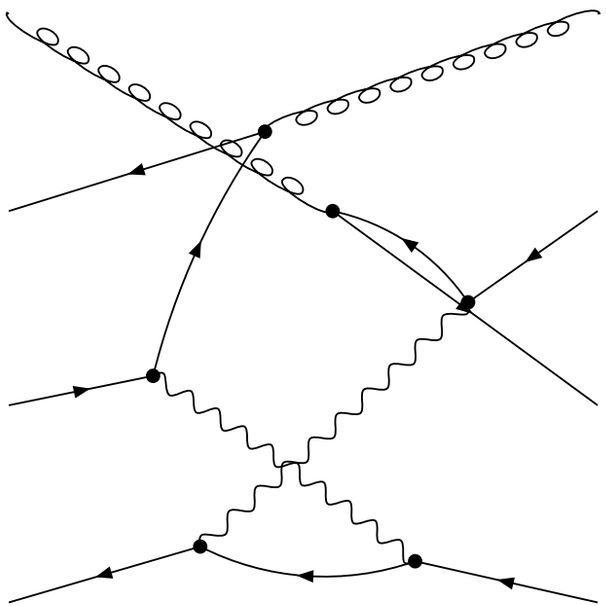
Partial Fractioned Denominator:

```
0
```

final

Denominator:

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



−1-8-15-16