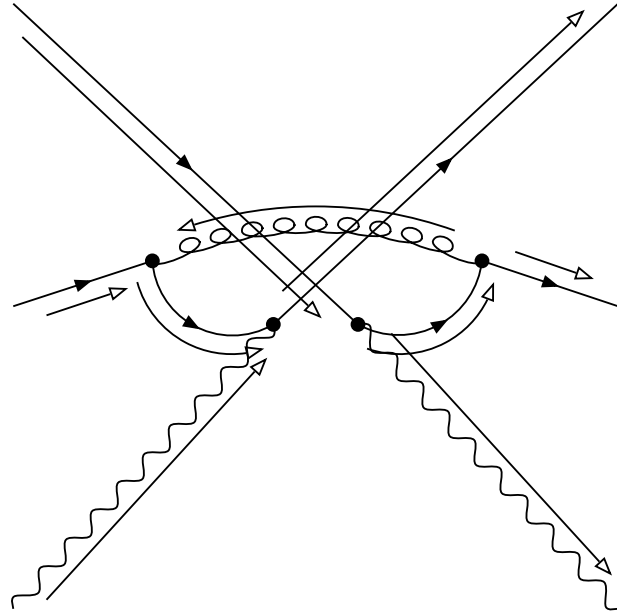


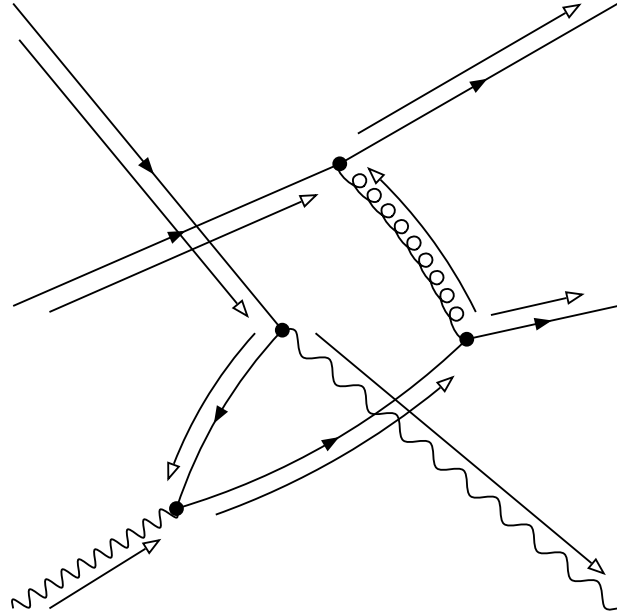
graph 1



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg  
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(2)
```

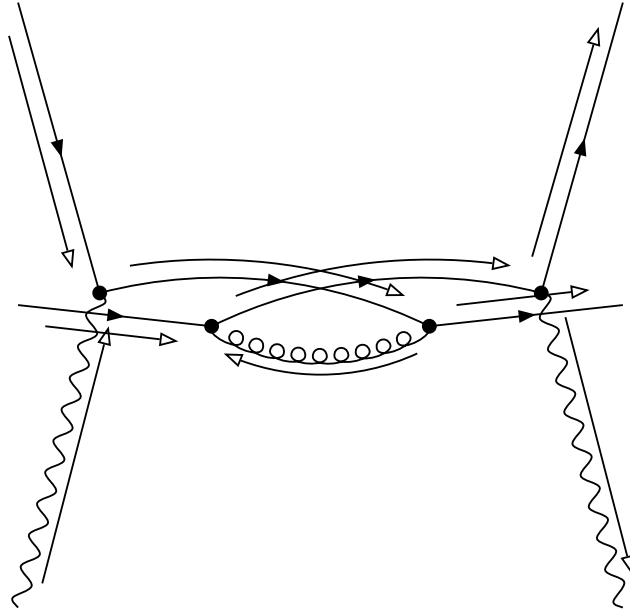
**graph 2**



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg  
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(4)
```

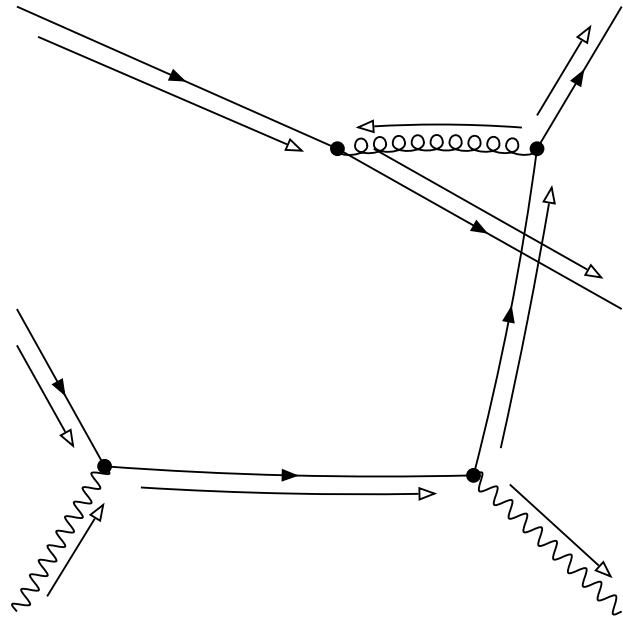
graph 3



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg  
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(2)
```

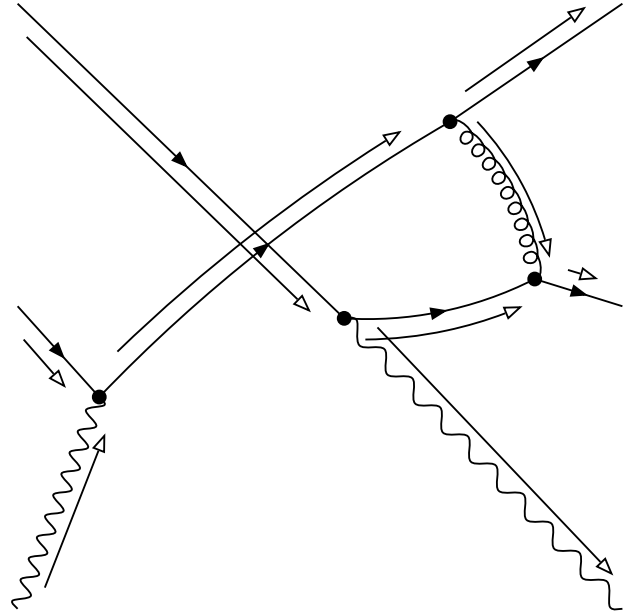
**graph 4**



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(4)
```

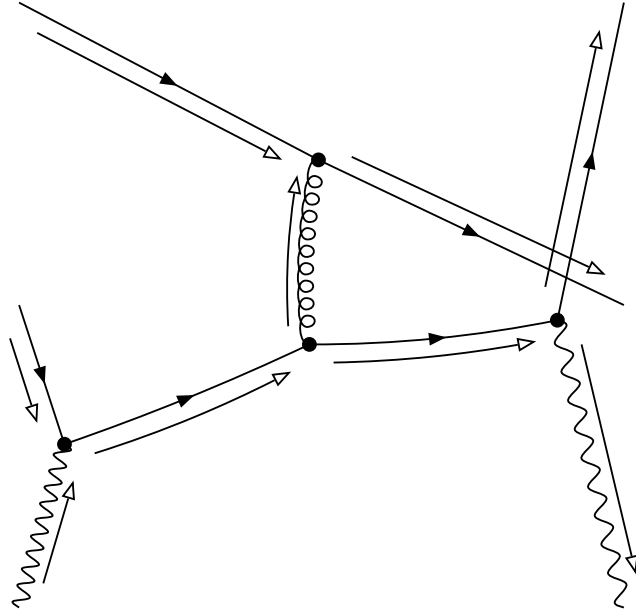
graph 5



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg  
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(4)
```

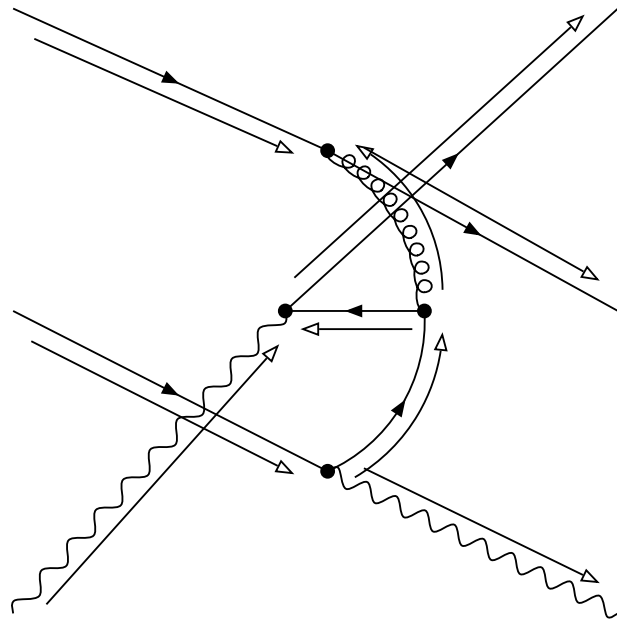
graph 6



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg  
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(2)
```

graph 7



```
2 [Pdg { pdg: 1 }, Pdg { pdg: 1 }, Pdg
{ pdg: 22 }]
```

```
AutG(1)^-1*ExternalFermionOrderingSign(-1)*AntiFermionSpinSumSign(1)*NumeratorIndependentSymmetryGrouping(2)
```

