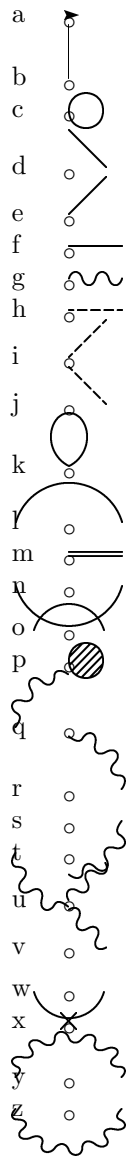
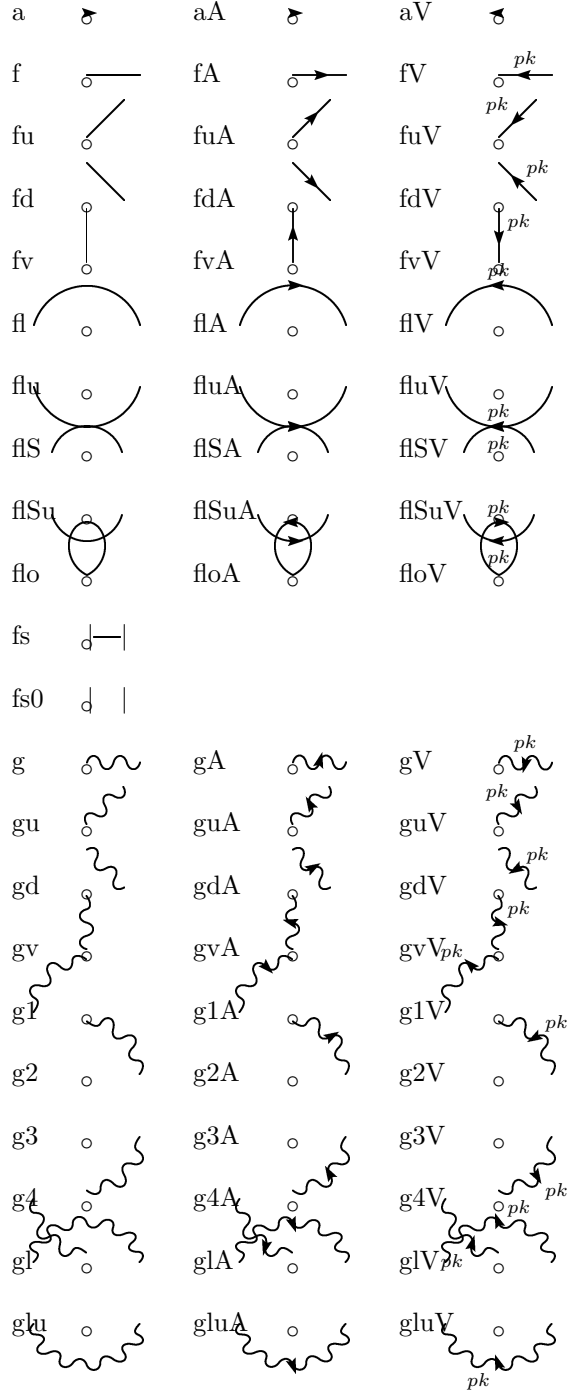


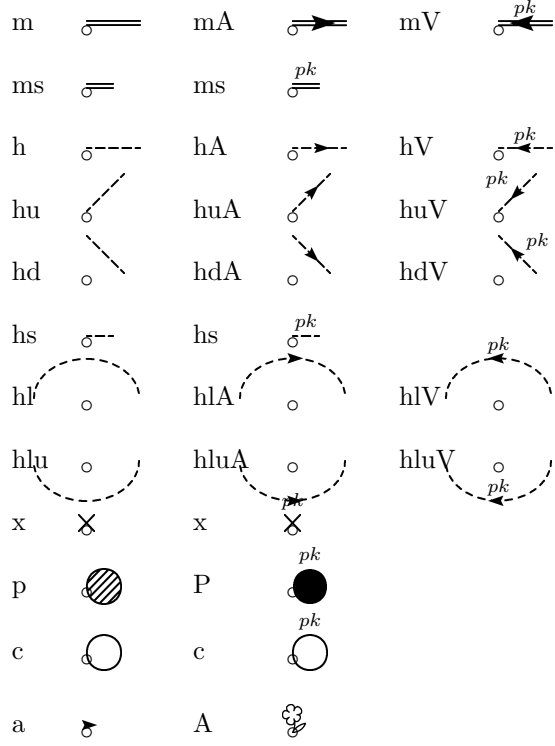
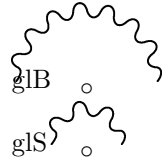
Alphabetically:



Dimensions: Feyn module: 20.0pt, math-axis: 2.5pt.

With ligatures:

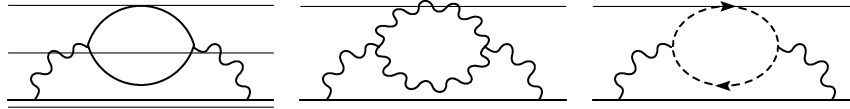




fs f gl gv f fs		vertical gluon doesn't meet – OK
fs f glA gv f fs		
fs fA glA gvV f fs		
fs fA g1A gvV g2V fA fs		vertical gluon meets
msmA g1gvg2 msxf		and here

More complicated diagrams

Fermion, gluon and ghost loop:



Annotations:

a: (arrow rightward)

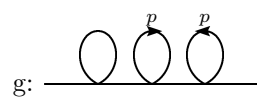
b: (arrow leftward)

c: (arrows are 1=right, 2=left, 3=right, 4=left)

d: (arrow leftwards)

e: (arrows right then left)

f: (arrows right then left)



Vertex Feynman diagram:

$$\begin{array}{c}
 a \\
 \diagdown \\
 \text{---} \text{---} \text{---} = \\
 \diagup \\
 b
 \end{array}
 \mu, c
 =
 \begin{array}{c}
 a \\
 \diagdown \\
 \text{---} \text{---} \text{---} = \\
 \diagup \\
 b
 \end{array}
 \mu, c
 =
 \begin{array}{c}
 a \\
 \diagdown \\
 \text{---} \text{---} \text{---} = i g \gamma_\mu (T^C)_{ab} \\
 \diagup \\
 b
 \end{array}
 \mu, c$$

Use of the ‘belowl’ macro:

Diagrammatic representation of the Ward identity:

$$\text{Vertex with two external lines and a wavy line} = \text{Vertex with two external lines and a wavy line} + \text{Term with a wavy line and a solid line}$$

Two-loop diagram:

Bremsstrahlung:

OPE:

$$\begin{aligned}
-i\Sigma_{\text{ope}} = & \left[\text{---}\!\!\!\rightarrow\!\!\!\text{---} + \text{---}\!\!\!\text{---}\!\!\!\text{---} + \dots \right] 1 \\
& + \left[\text{---}\!\!\!\text{---}\!\!\!\text{---} + \dots \right] \langle \bar{\psi} M \psi \rangle \\
& + \left[\text{---}\!\!\!\text{---}\!\!\!\text{---} + \dots \right] \langle G_{\mu\nu}^a G_{\mu\nu}^a \rangle
\end{aligned}$$

Complete vertex:

$$\begin{aligned}
\text{---} \bigcirc \text{---} &= \text{---} \rightarrow \text{---} + \text{---} \text{---} \text{---} + \text{---} \text{---} \text{---} \text{---} + \dots \\
&= \sum_{n=0}^{\infty} \text{---} \rightarrow (\text{---} \text{---} \text{---})^n \\
&= \frac{\text{---} \rightarrow}{1 - (\text{---} \text{---} \text{---})}.
\end{aligned}$$