

In[27]:= **VAFF[i, j, mu] // Simplify**

$$\text{Out[27]} = \frac{1}{16} g (\bar{\gamma}^i \cdot \bar{\gamma}^j \cdot \bar{\gamma}^\mu - \bar{\gamma}^j \cdot \bar{\gamma}^i \cdot \bar{\gamma}^\mu + \bar{\gamma}^\mu \cdot \bar{\gamma}^i \cdot \bar{\gamma}^j - \bar{\gamma}^\mu \cdot \bar{\gamma}^j \cdot \bar{\gamma}^i)$$

This vertex can be rewritten using Levi-Civita symbol and \gamma^5:

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In[32]:= **-I g / 4 LeviCivita[l, m, n, mu] GA[1] . GA[5] // Contract**

$$\text{Out[32]} = -\frac{1}{4} i g \bar{\gamma}^l \cdot \bar{\gamma}^5 \epsilon^{lmn\mu}$$