

$$\begin{aligned}
\frac{1}{3!} \partial_\lambda^3 \left( \underbrace{\begin{array}{c} \text{\textcircled{\(\(\times\)\}} \\ \diagup \quad \diagdown \\ V_\lambda \quad V_\lambda \quad \cdots \quad V_\lambda \end{array}}_{m \text{ times}} \right) &= \frac{m}{3!} \left( \underbrace{\begin{array}{c} \text{\textcircled{\(\(\times\)\}} \\ \diagup \quad \diagdown \\ V_\lambda \quad \cdots \quad V_\lambda \end{array}}_{m-1 \text{ times}} V_\lambda''' \right) + \frac{2m(m-1)}{3!} \left( \underbrace{\begin{array}{c} \text{\textcircled{\(\(\times\)\}} \\ \diagup \quad \diagdown \quad | \quad \diagdown \\ V_\lambda \quad \cdots \quad V_\lambda \quad V_\lambda' \quad V_\lambda'' \end{array}}_{m-2 \text{ times}} \right) \\
&+ \frac{m(m-1)(m-2)}{3!} \left( \underbrace{\begin{array}{c} \text{\textcircled{\(\(\times\)\}} \\ \diagup \quad \diagdown \quad \diagdown \quad \diagdown \quad \diagdown \\ V_\lambda \quad \cdots \quad V_\lambda \quad V_\lambda' \quad V_\lambda' \quad V_\lambda' \end{array}}_{m-3 \text{ times}} \right)
\end{aligned}$$