

$$\begin{aligned}
& \frac{-1/2i\langle 23 \rangle^3 [45]^3 s_{123}^2 \Omega_{351}}{\langle 12 \rangle [56] \langle 1|2+3|4 \rangle \langle 3|1+2|4 \rangle^4 \langle 3|1+2|6 \rangle} + \\
& \frac{1/4i[12]\langle 23 \rangle^3 [45]^3 \langle 56 \rangle \langle 4|1+2|3 \rangle s_{123} \Pi_{351}}{\langle 1|2+3|4 \rangle \langle 3|1+2|4 \rangle^3 \langle 3|1+2|6 \rangle \Delta_{135}} + \\
& \frac{[12]\langle 23 \rangle^3 [45]^3 \langle 56 \rangle \langle 4|1+2|3 \rangle^2 \Pi_{351} (1/8i s_{123} + 1/16i s_{124})}{\langle 1|2+3|4 \rangle \langle 3|1+2|4 \rangle^2 \langle 3|1+2|6 \rangle \Delta_{135}^2} + \\
& \frac{5/32i[12][12]\langle 34 \rangle [34]\langle 56 \rangle [56]\langle 2|3+4|1 \rangle \langle 4|1+2|3 \rangle \langle 6|1+2|5 \rangle \Pi_{351}}{\langle 1|3+4|2 \rangle \langle 3|1+2|4 \rangle \langle 5|1+2|6 \rangle \Delta_{135}^2} + \\
& \frac{\langle 23 \rangle^2 [45]^2 \langle 4|1+2|3 \rangle (5/4i\langle 12 \rangle^2 [12]^2 [13]\langle 14 \rangle [14]\langle 46 \rangle \dots \langle 152 \text{ terms} \rangle \dots + 5/8i[12]\langle 26 \rangle \langle 34 \rangle [34]\langle 36 \rangle [36]^2 \langle 46 \rangle)}{\langle 1|2+3|4 \rangle \langle 3|1+2|4 \rangle \langle 3|1+2|6 \rangle \Delta_{135}^2} + \\
& \frac{3/16i\langle 12 \rangle^2 [12]^2 \langle 14 \rangle [14][15]\langle 24 \rangle^2 [25]\langle 26 \rangle [34] \dots \langle 1340 \text{ terms} \rangle \dots + 3i[13]\langle 24 \rangle^2 [24][25]\langle 26 \rangle^4 [26]^2 [56]}{\langle 1|2+3|4 \rangle \langle 3|1+2|6 \rangle \Delta_{135}^2} + \\
& (123456 \rightarrow 345612) + \\
& (123456 \rightarrow 561234) + \\
& \frac{5/128i\langle 12 \rangle [12]\langle 34 \rangle [34]\langle 56 \rangle [56]\langle 2|3+4|1 \rangle \langle 4|1+2|3 \rangle \langle 6|1+2|5 \rangle \Pi_{135} \Pi_{351} \Pi_{513}}{\langle 1|3+4|2 \rangle \langle 3|1+2|4 \rangle \langle 5|1+2|6 \rangle \Delta_{135}^3}
\end{aligned}$$