```
\frac{-5/6 s_{\mathbf{23}} m_t (\langle \mathbf{3} | \mathbf{1} | \mathbf{4} | - [\mathbf{3} | \mathbf{1} | \mathbf{4} \rangle)}{\langle \mathbf{1} | \mathbf{2} + \mathbf{3} | \mathbf{1} | \langle \mathbf{1} | \mathbf{3} | \mathbf{2} | (s_{\mathbf{123}} - m_t^2)} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{-5/6s_{\mathbf{23}}\mathbf{[3|2|1|4]}}{\langle 1|2\mathbf{+3|1}]\langle 1|3|2](s_{\mathbf{123}}{-}m_{t}^{2})} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \frac{5/48m_t\langle \mathbf{3}|2|\mathbf{4}](s_{\boldsymbol{1}\boldsymbol{3}}\!-\!s_{\boldsymbol{2}\boldsymbol{3}})s_{\boldsymbol{1}\boldsymbol{2}}}{\langle 1|\mathbf{3}|2|\Delta_{\boldsymbol{1}\boldsymbol{2}}|\mathbf{3}|\mathbf{4}\mathbf{5}}(s_{\boldsymbol{1}\boldsymbol{2}\boldsymbol{3}}\!-\!m_t^2)}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \frac{-5/48s_{12}(s_{13}-s_{23})((\mathbf{3}|\mathbf{2}|\mathbf{3}|\mathbf{4})+\langle\mathbf{34}\rangle(s_{13}+m_t^2))}{\langle1|\mathbf{3}|2]\Delta_{12|\mathbf{3}|\mathbf{45}}(s_{123}-m_t^2)}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{5/48m_{t}(s_{\bm{13}}\!-\!s_{\bm{23}})\langle \bm{3}|1\!+\!2|\bm{4}]}{\langle 1|\bm{3}|2]\Delta_{12}|\bm{3}|\bm{45}}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \frac{-5/12m_t\langle {\bf 3}|1{+}2|{\bf 4}]}{\langle 1|{\bf 3}|2](s_{12{\bf 3}}{-}m_t^2)} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \frac{(-5/12\langle {\bf 34}\rangle(s_{{\bf 12}}+2s_{{\bf 13}})+5/6\langle {\bf 3}|1|2|{\bf 4}\rangle)}{\langle 1|{\bf 3}|2](s_{{\bf 123}}-m_{\tilde{t}}^2)}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (12345\rightarrow -\overline{21345})+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \frac{3/2 s_{\mathbf{23}} m_t (\langle \mathbf{3} | 1 | \mathbf{4} ] - [\mathbf{3} | 1 | \mathbf{4} \rangle)}{\langle 1 | 2 + \mathbf{3} | 1 ] \langle 1 | \mathbf{3} | 2 ] (s_{\mathbf{123}} - m_t^2)} + \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \frac{3/2s_{{\color{red} 23}}[{\color{red} 3}|2|1|{\color{blue} 4}]}{\langle 1|2{\color{blue} +3}|1]\langle 1|{\color{blue} 3}|2](s_{{\color{blue} 123}}{\color{blue} -m_t^2)}} + \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{\langle \mathbf{32} \rangle m_{t} (s_{12} - m_{t}^{2}) (-1/3 \langle \mathbf{2} | \mathbf{3} | \mathbf{4} ] + 2/3 [\mathbf{14}] \langle \mathbf{12} \rangle)}{\langle \mathbf{12} \rangle s_{123} \Delta_{12} | \mathbf{3} | \mathbf{45}} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{(s_{12}-m_t^2)(-1/3[12]\langle \mathbf{32}\rangle\langle 2\mathbf{4}\rangle-1/3\langle \mathbf{34}\rangle\langle 2|\mathbf{3}|1])}{s_{12}\mathbf{3}^{\Delta}{}_{12}|\mathbf{3}|\mathbf{45}}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \frac{-16/3m_t^2\langle {\bf 32}\rangle\langle 2{\bf 4}\rangle}{\langle 12\rangle(s_{12}{\bf 3}^{-}m_t^2)^2} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \frac{-16/3\langle {\bf 34}\rangle\langle 2|{\bf 3}|1]m_t^2}{\langle 12\rangle[12](s_{{\bf 123}}-m_t^2)^2} +
                                                                                                                                                                                                                                                                                                                                                                                          \frac{1/2m_t^2s_{12}(s_{12}-m_t^2+3/2s_{123})(\langle \mathbf{34}\rangle\langle 2|\mathbf{3}|1]-2[1|\mathbf{3}|\mathbf{4}\rangle\langle \mathbf{32}\rangle)}{\Delta_{12|\mathbf{3}|\mathbf{45}}^2(s_{123}-m_t^2)}+
                                                                                                                                                                                       \frac{1/8m_t[12]\langle 32\rangle(\langle 2|3|4]-m_t\langle 24\rangle)((s_{12}-m_t^2)(s_{123}-m_t^2)+5s_{12}(s_{12}-m_t^2)-6s_{12}s_{123})}{\Delta_{12|3|45}^2(s_{123}-m_t^2)}+
                                                                                                                                                                                                                                                                                                                                                  \frac{1/6m_{\tilde{t}}^2(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_{\tilde{h}}^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_{\tilde{t}}^2 - m_{\tilde{h}}^2 + 2s_{123})\langle\mathbf{32}\rangle\langle\mathbf{24}\rangle}{\langle12\rangle\Delta_{123}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{
                                                                                                                                                                                                                                                                                                                                                                                                      \frac{-1/6m_{\tilde{t}}^2(\mathrm{tr}(\mathbf{5}|\mathbf{4})\mathrm{tr}(\mathbf{3}|\mathbf{4})-2m_{\tilde{t}}^2\mathrm{tr}(\mathbf{5}|\mathbf{3}))(m_{\tilde{t}}^2-m_{\tilde{h}}^2)\langle\mathbf{3}2\rangle\langle\mathbf{2}\mathbf{4}\rangle}{\langle12\rangle\Delta_{12}\mathbf{3}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}}+
                                                                           \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle12\rangle + 1/4[\mathbf{3}|\mathbf{4}|2\rangle\langle2\mathbf{4}\rangle)}{\langle12\rangle\Delta} + \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle12\rangle + 1/4[\mathbf{3}|\mathbf{4}|2\rangle\langle2\mathbf{4}\rangle)}{\langle12\rangle\Delta} + \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle12\rangle + 1/4[\mathbf{3}|\mathbf{4}|2\rangle\langle2\mathbf{4}\rangle)}{\langle12\rangle\Delta} + \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle12\rangle + 1/4[\mathbf{3}|\mathbf{4}|2\rangle\langle2\mathbf{4}\rangle)}{\langle12\rangle\Delta} + \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle12\rangle + 1/4[\mathbf{3}|\mathbf{4}|2\rangle\langle2\mathbf{4}\rangle)}{\langle12\rangle\Delta} + \frac{m_t(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_h^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(m_t^2 - m_h^2 + s_{123})(-1/12\langle\mathbf{3}2\rangle\langle2|\mathbf{3}|\mathbf{4}] + 1/3\langle\mathbf{3}2\rangle[1\mathbf{4}]\langle\mathbf{3}2\rangle(\mathbf{3}|\mathbf{4}) + 1/2(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3}|\mathbf{3})(\mathbf{3
                                                                                                                                               \frac{m_t(\operatorname{tr}(\mathbf{5}|\mathbf{4})\operatorname{tr}(\mathbf{3}|\mathbf{4}) - 2m_t^2\operatorname{tr}(\mathbf{5}|\mathbf{3}))(m_t^2 - m_h^2)(1/6\langle \mathbf{3} 2 \rangle \langle 2|\mathbf{3}|\mathbf{4}| - 2/3\langle \mathbf{3} 2 \rangle [1\mathbf{4}]\langle 12 \rangle - 1/6|\mathbf{3}|\mathbf{4}|2 \rangle \langle 2\mathbf{4} \rangle)}{\langle 12 \rangle \Delta_{123} |\mathbf{4}|\mathbf{5} \Delta_{12} |\mathbf{3}|\mathbf{4}|\mathbf{5}} + \frac{1}{2} \frac{1}{
                                                                                                               \frac{m_{\tilde{t}}^2(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_{\tilde{h}}^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(1/6\langle12\rangle\langle\mathbf{3}\mathbf{4})\langle2|\mathbf{4}|1] - 1/6(s_{123} - m_{\tilde{t}}^2)\langle\mathbf{3}2\rangle\langle\mathbf{2}\mathbf{4}\rangle - 1/6[\mathbf{3}|\mathbf{4}|2\rangle\langle2|\mathbf{3}|\mathbf{4}))}{\langle12\rangle\Delta_{123}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \frac{(12)\Delta_{123}(\mathbf{3}|\mathbf{4})(s_{123} - s_{123})(s_{123} - s_{123})(
                                                                                                                                                       \frac{-4/3m_{t}^{2}m_{h}^{2}(\langle 32\rangle\langle 2\mathbf{4}\rangle[12]+\langle 2|\mathbf{3}|1]\langle \mathbf{34}\rangle)}{\langle 12\rangle[12]\Delta_{12\mathbf{3}|\mathbf{4}|\mathbf{5}}(^{s}12\mathbf{3}-m_{t}^{2})}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{m_{t}^{3}(s_{\boldsymbol{13}}-s_{\boldsymbol{23}})(-3/4[2\mathbf{4}]\langle \mathbf{32}\rangle-3/8[1\mathbf{4}]\langle \mathbf{31}\rangle)}{\langle 1|\mathbf{3}|2]\Delta_{\boldsymbol{12}|\mathbf{3}|\mathbf{45}}(s_{\boldsymbol{123}}-m_{t}^{2})}+
                                                                                                                                                                                                               m_t^2(s_{1\boldsymbol{3}}{-}s_{2\boldsymbol{3}})(-3/8\langle\boldsymbol{3}2\rangle[2|\boldsymbol{3}|\boldsymbol{4}\rangle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -3/8\langle \mathbf{34}\rangle\langle 1|\mathbf{3}|1]+3/4\langle \mathbf{34}\rangle\langle 12\rangle[12]+9/8\langle \mathbf{31}\rangle[12]\langle \mathbf{24}\rangle)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \langle 1|\mathbf{3}|2]\Delta_{12|\mathbf{3}|\mathbf{45}}(s_{12\mathbf{3}}-m_t^2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \frac{[\mathbf{24}](\mathbf{32})m_{t}(s_{\mathbf{13}} - s_{\mathbf{23}})(-3/4\langle\mathbf{1}|\mathbf{3}|\mathbf{1}] - 3/8\langle\mathbf{2}|\mathbf{3}|\mathbf{2}])}{\langle\mathbf{1}|\mathbf{3}|\mathbf{2}]\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}(s_{\mathbf{123}} - m_{t}^{2})} +
                                                                                                                                                                                                                                                                                                                                                                                                                              \frac{(s_{\textbf{13}} - s_{\textbf{23}})(-3/8\langle \textbf{34}\rangle\langle 1|\textbf{3}|1]^2 + 3/8\langle \textbf{14}\rangle\langle 2|\textbf{3}|1]\langle \textbf{31}\rangle[12])}{\langle 1|\textbf{3}|2]\Delta_{12}|\textbf{3}|\textbf{45}(s_{123} - m_{\tilde{t}}^2)} +
                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{\langle \mathbf{32} \rangle m_t (-5/3[12] \langle 2|\mathbf{3}|\mathbf{4}| \dots \langle \! \langle \mathbf{4} \, \mathrm{terms} \rangle \! \rangle \dots -13/6 m_t^2[1\mathbf{4}])}{\Delta_{12} |\mathbf{3}|\mathbf{45}^{(s} 12\mathbf{3} - m_t^2)} +
                                                                                                                                                                                                                                                                                                                  \frac{(-23/24\langle \mathbf{34}\rangle\langle 2|\mathbf{3}|1]\langle 2|\mathbf{3}|2]\dots\langle (3\,\mathrm{terms}))\dots -23/24\langle 2|\mathbf{3}|2]|\mathbf{1}2|\langle \mathbf{3}|2\rangle\langle 2\mathbf{4}\rangle)}{\Delta_{12}|\mathbf{3}|\mathbf{45}^{(s_{1}_{2}\mathbf{3}-m_{t}^{2})}}+
                                                                                                       \frac{m_t(\operatorname{tr}(3|4)\operatorname{tr}(1+2|3)-2m_t^2\operatorname{tr}(1+2|4))(1/4[24]\langle 2|3|4|2)\langle 32\rangle\dots\langle 15\operatorname{terms}\rangle\dots+1/8[14]\langle 12\rangle^2\langle 3|4|1])}{\langle 12\rangle^{\Delta}1_2|3|45^{\Delta}1_2|3|4|5}+
                                                                                                       \frac{m_t(\operatorname{tr}(3|4)\operatorname{tr}(1+2|3)-2m_t^2\operatorname{tr}(1+2|4))(-3/8\langle 2|3|4|2)[32]\langle 24\rangle\dots\langle 5\operatorname{terms}\rangle\dots-1/12m_t^2|3|4|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|3|45\Delta_{12}|3|4|5}+
                                                                                                   \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(1/4[24]\langle 2|3|4|2\rangle\langle 32\rangle\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 2|3|4|2\rangle)}{\langle 12\rangle\Delta_{12}|3|45} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(1/4[24]\langle 2|3|4|2\rangle\langle 32\rangle\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 2|3|4|2\rangle)}{\langle 12\rangle\Delta_{12}|3|45} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(1/4[24]\langle 3|2|2)(32)\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 2|3|4|2\rangle)}{\langle 12\rangle\Delta_{12}|3|45} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(1/4[24]\langle 3|2|2)(32)\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 2|3|4|2\rangle)}{\langle 12\rangle\Delta_{12}|3|45} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(1/4[24]\langle 3|2|2)(32)\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 2|3|4|2\rangle)}{\langle 12\rangle\Delta_{12}|3|45} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{3}))(1/4[24]\langle 3|2|2)(32)\dots\langle 8\operatorname{terms}\rangle)\dots - 1/12[14]\langle 31\rangle\langle 3|2|2\rangle)\dots - 1/2[14]\langle 3|2|2\rangle(3|2)\dots - 3/2[14]\langle 3|2\rangle(3|2)\dots - 
                                                                                                               \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/6\langle 2|\mathbf{3}|\mathbf{4}|2)|32](24)\dots\langle\!(5\operatorname{terms})\!)\dots -1/6m_t^2|\mathbf{3}|\mathbf{4}|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}5^\Delta_{12}|\mathbf{3}|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/6\langle 2|\mathbf{3}|\mathbf{4}|2)|32](24)\dots\langle\!(5\operatorname{terms})\!)\dots -1/6m_t^2|\mathbf{3}|\mathbf{4}|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}5^\Delta_{12}|\mathbf{3}|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/6\langle 2|\mathbf{3}|\mathbf{4}|2)|32](24)\dots\langle\!(5\operatorname{terms})\!)\dots -1/6m_t^2|\mathbf{3}|4|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}))(-1/6\langle 2|\mathbf{3}|\mathbf{4}|2)|32](24)\dots\langle\!(5\operatorname{terms})\!)\dots -1/6m_t^2|\mathbf{3}|4|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3}))(-1/6\langle 2|\mathbf{3}|\mathbf{4}|2)|32}(24)\dots\langle\!(5\operatorname{terms})\!)\dots -1/6m_t^2|\mathbf{3}|4|2\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|\mathbf{3}|4|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|4|4|4} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|4|4|4} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|4|4|4} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|4|4|4|4} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3})}{\langle 12\rangle\Delta_{12}|4|4|4} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3}
                       \frac{m_t(\operatorname{tr}(3|4)\operatorname{tr}(1+2|3)-2m_t^2\operatorname{tr}(1+2|4))(-1/12\langle 1|4|1|[24]\langle 32\rangle\langle 2|4|1]\ldots\langle 15\operatorname{terms}\rangle\ldots-1/12\langle 3|4|1]\langle 2|3|2]\langle 2|3|4])}{\langle 12\rangle[12]\Delta_{12}|3|45}+\\
                                               \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 2|\mathbf{4}|2]\langle 32\rangle\ldots\langle(13\operatorname{terms}),\ldots + 1/12\langle 3|\mathbf{4}|1]\langle 2|3|2]\langle 2|3|\mathbf{4})}{\langle 12\rangle[12]\Delta_{12}|3|\mathbf{4}5\Delta_{12}|3|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 2|\mathbf{4}|2]\langle 32\rangle\ldots\langle(13\operatorname{terms}),\ldots + 1/12\langle 3|\mathbf{4}|1]\langle 2|3|2]\langle 2|3|\mathbf{4})}{\langle 12\rangle[12]\Delta_{12}|3|\mathbf{4}5\Delta_{12}|3|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 2|3|2]\langle 2|3|\mathbf{4})}{\langle 12\rangle[12]\Delta_{12}|3|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 3|2|2)\langle 3|2|2}{\langle 12\rangle[12]\Delta_{12}|3|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{4}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 3|2|2)\langle 3|2|2}{\langle 12\rangle[12]\Delta_{12}|3|\mathbf{4}|5} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 3|2|2)\langle 3|2|2}{\langle 3|2|2|2} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(\mathbf{3}|\mathbf{4}))(-1/4m_t^2[14]\langle 3|2|2)\langle 3|2|2}{\langle 3|2|2} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3}))(-1/4m_t^2[14]\langle 3|2|2)\langle 3|2|2}{\langle 3|2|2} + \frac{m_t(\operatorname{tr}(1+2|\mathbf{3})\operatorname{tr}(1+2|\mathbf{3}) - 2s_{12}\operatorname{tr}(1+2|\mathbf{3})}{\langle 3|2|2} + \frac{m_t(\operatorname{tr}(1+2|
                                                           \frac{(\text{tr}(\mathbf{3}|\mathbf{4})\text{tr}(1+2|\mathbf{3}) - 2m_{\tilde{t}}^2\text{tr}(1+2|\mathbf{4}))(1/6\langle 2|\mathbf{4}|2]\langle 2|\mathbf{3}|2]\langle 32\rangle\langle 24\rangle\dots\langle 11\,\text{terms}\rangle\dots + 1/6\langle 2|\mathbf{4}|2]\langle 1|\mathbf{3}|1]\langle 32\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \frac{(\mathbf{3}|\mathbf{4})\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{4}|\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}|\mathbf{3}|\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf{5}^{\Delta_{12}}\mathbf
                                                                                                                   \frac{\langle 2|3|4|2\rangle[34](\mathrm{tr}(3|4)\mathrm{tr}(1+2|3)-2m_{L}^{2}\mathrm{tr}(1+2|4))(-1/8\langle1|4|1]-1/8\langle2|4|2]-1/12\langle2|3|2]-1/12\langle1|3|1])}{\langle12\rangle\Delta_{12}|3|45^{\Delta_{12}}|3|4|5}+
\frac{-1/8 \mathrm{tr}(\mathbf{3}|\mathbf{4}) \langle 2|\mathbf{3}|\mathbf{4}|2 \rangle [\mathbf{34}] (\mathrm{tr}(1+2|\mathbf{3}) \mathrm{tr}(1+2|\mathbf{4}) - 2s_{\mathbf{12}} \mathrm{tr}(\mathbf{3}|\mathbf{4}))}{\langle 12 \rangle \Delta_{12} |\mathbf{3}|\mathbf{45}^{\Delta_{12}} |\mathbf{3}|\mathbf{4|5}} +
                                                                                                                                                       \frac{\langle \mathbf{3}|\mathbf{4}|1]\langle \mathbf{24}\rangle(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_{\tilde{t}}^{2}\mathrm{tr}(1+2|\mathbf{4}))(1/12\langle 2|\mathbf{3}|2]^{2}+1/12\langle 1|\mathbf{3}|1]^{2}+1/6\langle 2|\mathbf{3}|2]\langle 1|\mathbf{3}|1]\rangle}{\langle 12\rangle[12]\Delta_{12}|\mathbf{3}|\mathbf{45}\Delta_{12}|\mathbf{3}|\mathbf{45}}+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \frac{\langle \mathbf{32} \rangle m_{t} (1/12 \langle 2|\mathbf{3}|\mathbf{4}] - 47/24 [1\mathbf{4}] \langle 12 \rangle)}{\langle 12 \rangle \Delta_{12} |\mathbf{3}|\mathbf{45}} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \frac{-1 [\mathbf{3}|\mathbf{4}|2\rangle\langle 2\mathbf{4}\rangle m_{t}}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{45}} +
                                                                                                                                                                                                                                                       \frac{m_t(1/3\langle 1|4|1][14]\langle 32\rangle + 1/3\langle 2|4|1][24]\langle 32\rangle + 2/3\langle 3|4|1]\langle 2|3|4] - 2/3m_t^2[14]\langle 32\rangle)}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 32\rangle + 1/3\langle 1|4|1](24)(32)}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 32\rangle + 1/3\langle 1|4|1](24)}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 32\rangle + 1/3\langle 1|4|1](24)}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 32\rangle + 1/3\langle 1|4|1](24)}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 32\rangle + 1/3\langle 1|4|1}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 1|4|1|14}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 1|4|14|14}{\langle 12\rangle[12]\Delta_{12}|3|45} + \frac{m_t(1/3\langle 1|4|1)[14]\langle 1|4|14|14}{\langle 
                                                                                                                                                                                                                                                                                                                                                                                              \frac{(-2/3\langle 2|3|2]\langle 32\rangle\langle 24\rangle\ldots\langle 4\,\mathrm{terms}\rangle\!)\ldots -2/3\langle 2|3|1]\langle 31\rangle\langle 24\rangle)}{\langle 12\rangle\Delta_{12}|3|45} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \frac{1 \boldsymbol{[3|4|2\rangle\langle2|3|4]}}{\langle12\rangle\Delta_{12}\boldsymbol{|3|45}} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \frac{\langle {\bf 34} \rangle \langle 2|{\bf 3}|1] (-1/3\langle 2|{\bf 3}|2] + 4/3m_{\tilde{t}}^2 - 1/3\langle 1|{\bf 3}|1])}{\langle 12 \rangle [12] \Delta_{12} |{\bf 3}|{\bf 45}} + \\
                                                                                                                                                                                                           \frac{\langle \mathbf{32} \rangle m_t (-1/3 \langle 2|\mathbf{3}|2] \langle 2|\mathbf{3}|4] - 1/3 \langle 2|\mathbf{3}|4] \langle 1|\mathbf{3}|1] + 4/3 [14] \langle 12 \rangle \langle 2|\mathbf{3}|2] + 4/3 [14] \langle 12 \rangle \langle 1|\mathbf{3}|1] \rangle}{\langle 12 \rangle \Delta_{12} |\mathbf{3}|4|5} + \frac{\langle \mathbf{32} \rangle m_t (-1/3 \langle 2|\mathbf{3}|2] + 4/3 [14] \langle 12 \rangle \langle 1|\mathbf{3}|1] \rangle}{\langle 12 \rangle \Delta_{12} |\mathbf{3}|4|5} + \frac{\langle \mathbf{32} \rangle m_t (-1/3 \langle 2|\mathbf{3}|2] \langle 2|\mathbf{3}|4] - 1/3 \langle 2|\mathbf{3}|4] - 1/3 \langle 2|\mathbf{3}|4| - 1/3 \langle 2|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \frac{\langle \mathbf{24} \rangle m_{t}(1\langle 2|\mathbf{3}|\mathbf{4}|2\rangle[\mathbf{3}2]+1[\mathbf{3}|\mathbf{4}|1\rangle\langle 2|\mathbf{3}|1])}{\langle 12 \rangle \Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (12345 \rightarrow \overline{21345}) +
                                                                                                                                                                                                                       \frac{-1/12m_{\tilde{t}}^2(\langle \mathbf{34}\rangle + [\mathbf{34}])(\mathrm{tr}(\mathbf{5}|\mathbf{3})\mathrm{tr}(\mathbf{5}|\mathbf{4}) - 2m_{\tilde{h}}^2\mathrm{tr}(\mathbf{3}|\mathbf{4}))(\mathrm{tr}(\mathbf{4}|\mathbf{5})\langle \mathbf{2}|\mathbf{3} + \mathbf{4}|\mathbf{1}] + 2m_{\tilde{h}}^2\langle \mathbf{2}|\mathbf{4}|\mathbf{1}])}{\langle \mathbf{12}\rangle |\mathbf{12}|\mathbf{2}\mathbf{123}|\mathbf{4}|\mathbf{5}^{\Delta}\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}
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