```
m_{t}^{2}(\langle 2|\mathbf{3}|1+2|\mathbf{4}|1] - \langle 2|\mathbf{4}|1+2|\mathbf{3}|1])\Delta_{12|\mathbf{3}\mathbf{4}|\mathbf{5}}\mathrm{tr}(1+2|\mathbf{3}+\mathbf{4})(3/8\langle 2\mathbf{4}\rangle\langle \mathbf{3}|\mathbf{4}|2]\dots\langle\!\langle 3\,\mathrm{terms}\rangle\!\rangle\dots -3/8\langle \mathbf{3}\mathbf{4}\rangle\langle 2|\mathbf{4}|2])
                                                                                                                                                                                                                                                                                                        \frac{1}{\langle 12 \rangle [12] \Delta^2_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}
          m_t^2((2|\mathbf{3}|1+2|\mathbf{4}|1]-(2|\mathbf{4}|1+2|\mathbf{3}|1])\mathrm{tr}(1+2|\mathbf{3}-\mathbf{4})\mathrm{tr}(1+2|\mathbf{3}+\mathbf{4})(-9/32\langle\mathbf{3}\mathbf{4}\rangle\langle1|\mathbf{4}|2]\langle2|\mathbf{4}|1]\dots\langle\langle14\,\mathrm{terms}\rangle\rangle\dots+3/32\langle1\mathbf{4}\rangle\langle\mathbf{3}1\rangle[1|\mathbf{3}|\mathbf{4}|1])
                                                                                                                                                                                                                                                                                                         \langle 12 \rangle [12] \Delta^2_{12|3|4|5}
                                                                                                                                                                                                                      m_{+}^{3}[12]^{2}\langle 12\rangle^{2}\langle 2|\mathbf{3}|1](9/8\langle\mathbf{3}2\rangle[2\mathbf{4}]+9/16\langle\mathbf{3}1\rangle[1\mathbf{4}])
                                                                                                                                                                                                                                                                                             (s_{123} - m_t^2)\Delta_{12|3|45}^2
                                                                                                                                                                                                  m_{\star}^{2}[12]^{2}\langle 12\rangle^{2}\langle 2|\mathbf{3}|1](-9/16\langle\mathbf{3}2\rangle[2|\mathbf{3}|\mathbf{4}\rangle-9/16\langle1|\mathbf{3}|1]\langle\mathbf{3}\mathbf{4}\rangle)
                                                                                                                                                                                                                                                                                             \frac{(s_{123}-m_t^2)\Delta_{12|3|45}^2}{(s_{123}-m_t^2)\Delta_{12|3|45}^2}
                                                                                                                                                               \frac{m_t \langle 2|\mathbf{3}|\mathbf{4}|2\rangle (-3/8\langle 1|\mathbf{3}|1][2\mathbf{4}]\langle \mathbf{3}2\rangle \ldots \langle\!\langle 7\,\mathrm{term} \\ \langle 12\rangle \Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}
                                                                                                                                                                                                                                                                                                                                                  ...(7 \text{ terms})... +9/8(2|4|2][14](31)
                                                                                                    \frac{m_t\langle 2|3|4|2\rangle\langle 3/4\langle 24\rangle\langle 1|3|1|[32]+3/8\langle 2|3|2|\langle 24\rangle[32]-3/8\langle 2|4|2]\langle 24\rangle[32]+3/8\langle 14\rangle\langle 1|3|1|[31]\rangle}{\langle 12\rangle\Delta_{12}|3|4|5}+
                                                                                                                                                              \frac{\langle 2|\mathbf{3}|\mathbf{4}|2\rangle (3/8\langle 1|\mathbf{3}|\mathbf{4}|2\rangle \langle \mathbf{3}\mathbf{4}\rangle[12]\ldots \langle (7\,\mathrm{terms})\rangle\ldots -3/4\langle \mathbf{3}\mathbf{4}\rangle \langle 2|\mathbf{3}|2]\langle 1|\mathbf{3}|1])}{\langle 12\rangle \Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \\
                                                                                                                                                                                                                        \frac{\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle 2|\mathbf{3}|\mathbf{4}|2\rangle(-3/8\langle 2|\mathbf{3}|\mathbf{4}][\mathbf{3}2]-3/8[\mathbf{3}\mathbf{4}]\langle 1|\mathbf{3}|1]\rangle}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}} +
                                                                                                                                                                                 \frac{\langle 2|\mathbf{3}|\mathbf{4}|m_{t}(-3/4\langle 1|\mathbf{4}|1]^{2}\langle \mathbf{3}2\rangle\ldots\langle\!\langle \mathbf{4}\,\mathrm{terms}\rangle\!\rangle\ldots-3/4\langle 2|\mathbf{4}|2|^{2}\langle \mathbf{3}2\rangle\!)}{\langle 12\rangle\Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}+
                                                                                                                           \frac{\langle \mathbf{31} \rangle m_t (s_{13} - s_{23}) (-1/3 \langle 2|\mathbf{3}|2|] [24] + 7/6 \langle 1|\mathbf{3}|4|] [12] + 7/6 \langle 1|4|1] [24] - 7/6 [14] \langle 1|4|2] \rangle}{(s_{123} - m_t^2) \langle 1|\mathbf{3}|2|^2} +
                                                                                                                                                                                                                                                                \frac{\frac{1/3\langle12\rangle[2|\mathbf{3}|\mathbf{4}\rangle[\mathbf{3}2]m_t(s_{\mathbf{13}}{-}s_{\mathbf{23}})}{(s_{\mathbf{123}}{-}m_t^2)\langle1|\mathbf{3}|2]^2}+
                                                                                                                                                                                                                                                               \frac{7/6\langle 1\mathbf{4}\rangle\langle \mathbf{3}1\rangle[12]\langle 1|\mathbf{3}|1](s_{\mathbf{13}}{-}s_{\mathbf{23}})}{(s_{\mathbf{123}}{-}m_{\tau}^2)\langle 1|\mathbf{3}|2]^2}+
                                                                                                                                                                                                                                                                \frac{\frac{1/3\langle 12\rangle\langle 2|\mathbf{3}|2][2\mathbf{4}][\mathbf{3}2](s_{\mathbf{13}}-s_{\mathbf{23}})}{(s_{\mathbf{123}}-m_{t}^{2})\langle 1|\mathbf{3}|2]^{2}}+
                                                                                                                                                                                                \frac{m_t(1/2\langle 1|\mathbf{3}|1][2\mathbf{4}]\langle \mathbf{3}2\rangle\ldots\langle\!\langle 9\,\mathrm{terms}\rangle\!\rangle\ldots}{\langle 1|\mathbf{3}|2](s_{123}\!-\!m_t^2)}
                                                                                                                                                                                                                                                                                                                                                                                                            .+1\langle 2|\mathbf{4}|2][1\mathbf{4}]\langle \mathbf{3}1\rangle)
                                                                                                                                                                                     m_t(7/6\langle12\rangle\langle24\rangle[12][\mathbf{3}2] .
                                                                                                                                                                                                                                                                                                        \frac{32]\dots\langle\langle 4\,\mathrm{terms}
angle\dots}{\langle 1|3|2](s_{123}-m_t^2)}
                                                                                                                                                                                                                                                                                                                                                                                                            +5/3\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle\mathbf{14}\rangle[\mathbf{3}1])
                                                                                                                                                                                  (-5/3\langle 1|\mathbf{4}|1]\langle \mathbf{34}\rangle m_t^2 \dots \langle \langle 3 \text{ terms} \rangle \dots + 11/6\langle 2|\mathbf{3}|2]\langle \mathbf{31}\rangle \langle 2\mathbf{4}\rangle [12])
                                                                                                                                                                                                                                                                                                        (1|\mathbf{3}|2](s_{123}-m_t^2)
                                                                                                     \frac{(8/3\langle 2|\mathbf{3}|\mathbf{4}]\langle 1|\mathbf{3}|1][\mathbf{3}2]-1/3\langle 2|\mathbf{3}|\mathbf{4}]\langle 2|\mathbf{3}|2][\mathbf{3}2]-8/3\langle 12\rangle[\underline{1}\mathbf{4}]\langle 1|\mathbf{3}|2][\mathbf{3}1]-1/3\langle 12\rangle\langle 2|\mathbf{3}|2][2\mathbf{4}][\mathbf{3}1])}{1}+\frac{1}{2}(8/3\langle 2|\mathbf{3}|\mathbf{4}]\langle 1|\mathbf{3}|2][\mathbf{3}|2]-1/3\langle 2|\mathbf{3}|2][2\mathbf{4}][\mathbf{3}|2]}{1}+\frac{1}{2}(8/3\langle 2|\mathbf{3}|\mathbf{4}]\langle 1|\mathbf{3}|2][\mathbf{3}|2]-1/3\langle 2|\mathbf{3}|2][2\mathbf{4}][\mathbf{3}|2]}{1}+\frac{1}{2}(8/3\langle 2|\mathbf{3}|\mathbf{4}]\langle 1|\mathbf{3}|2][\mathbf{3}|2]-1/3\langle 2|\mathbf{3}|2][\mathbf{3}|2]-1/3\langle 2|\mathbf{3}
                                                                                                                                                                                                                                                                                                         (1|\mathbf{3}|2](s_{12\mathbf{3}}-m_t^2)
                                                                                                                                                        m_t(-5/3\langle 2|4|2][14]m_t^2\langle 32\rangle ...\langle 22 \text{ terms}\rangle ...
                                                                                                                                                                                                                                                                                                                                                                                                               -7/3\langle 2|3|4]\langle 31\rangle[12]\langle 2|3|1]
                                                                                                                                                                                                                                                                                             \scriptstyle \Delta_{12|\mathbf{3}|\mathbf{45}}(s_{12\mathbf{3}}-m_{t}^{2})
                                                                                                                                     \Delta_{12|\mathbf{3}|\mathbf{45}}\langle 1|\mathbf{3}|2](s_{12\mathbf{3}}-m_{t}^{2})
                                                                                                                                                                                     \frac{m_{\boldsymbol{t}}(3/2[12]\langle \boldsymbol{3} 2\rangle\langle 2|\boldsymbol{3}|\boldsymbol{4})\ldots\langle\!\langle 5\,\mathrm{terms}\rangle\!\rangle\ldots-11/6\langle 2|\boldsymbol{3}|1]\langle \boldsymbol{3} 1\rangle[1\boldsymbol{4}])}{\Delta_{12}|\boldsymbol{3}|\boldsymbol{4}\boldsymbol{5}} +
                                                                                                                                                                                             m_t(-3/4\langle 2\mathbf{4}\rangle\langle 2|\mathbf{3}|2][\mathbf{3}1]\ldots\langle\!\langle 4\,\mathrm{terms}\rangle\!\rangle\ldots+5/6\langle 2\mathbf{4}\rangle m_t^2[\mathbf{3}1])
                                                                                                                                                                                                                                                                                                                               \Delta_{12|{f 3}|{f 45}}
                                                                                                                                                    \frac{m_t(s_{\textbf{13}} - s_{\textbf{23}})(7/12\langle 1|4|1][24]\langle 32\rangle \ldots \langle\!\langle 4\,\mathrm{terms}\rangle\!\rangle \ldots - 7/12\langle 31\rangle\langle 2|4|2][14])}{\langle 1|3|2|\Delta_{12|3}|45} + \\
                                                                                                                                                   \frac{m_t(s_{\textbf{13}} - s_{\textbf{23}})(-5/12\langle 24\rangle |\textbf{32}| m_t^2 + 7/12\langle 12\rangle |\textbf{2}|\textbf{3}|4\rangle |\textbf{31}| - 5/12\langle 14\rangle m_t^2 |\textbf{31}|)}{\langle 1|\textbf{3}|2|\Delta_{12}|\textbf{3}|\textbf{45}} + \frac{m_t(s_{\textbf{13}} - s_{\textbf{23}})(-5/12\langle 24\rangle |\textbf{32}|m_t^2 + 7/12\langle 12\rangle |\textbf{2}|\textbf{3}|4\rangle |\textbf{31}| - 5/12\langle 14\rangle m_t^2 |\textbf{31}|)}{\langle 1|\textbf{3}|2|\Delta_{12}|\textbf{3}|\textbf{45}} + \frac{m_t(s_{\textbf{13}} - s_{\textbf{23}})(-5/12\langle 24\rangle |\textbf{32}|m_t^2 + 7/12\langle 12\rangle |\textbf{2}|\textbf{3}|4\rangle |\textbf{31}| - 5/12\langle 14\rangle m_t^2 |\textbf{31}|}{\langle 1|\textbf{31}|\Delta_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha_{12}|\alpha
                                                   (34)m_t^2(-19/6(2|3|1]-3/2(2|4|1])
                                                                                                                                                                                                                                                                                                                            \Delta_{12|3|45}
                                                                                                                                                                                                                                                                     {5/12\langle {\bf 34}\rangle\langle \underline{2|{\bf 3}|\underline{2}]m_{t}^{2}(s_{1\bf 3}-s_{2\bf 3})}}+
                                                                                                                                                                                                                                                                                                              \langle 1|3|2]\Delta_{12|3|45}
                                                                                                                                                                                                                                                                          \frac{m_{t}(-1/3[2\mathbf{4}]\langle \mathbf{32}\rangle + 2\langle \mathbf{31}\rangle[1\mathbf{4}])}{\langle 1|\mathbf{3}|2|} +
                                                                                                                                                                                                                                                                        \frac{m_t(1/2[\mathbf{32}]\langle 2\mathbf{4}\rangle + 7/6\langle 1\mathbf{4}\rangle[\mathbf{31}])}{\langle 1|\mathbf{3}|2|} +
                                                                                                                                                        \frac{m_t(53/24m_t^2[14]\langle 2|4|2]\langle 32\rangle\ldots\langle\!\langle 28\,\mathrm{terms}\rangle\!\rangle\ldots+9/8\langle 2|3|4]\langle 3|4|2]\langle 2|3|1])}{\Delta_{12|3|4|5}} + \\
                                                                                                                                              \frac{m_t(-5/12[\mathbf{3}|\mathbf{4}|1\rangle[1|\mathbf{3}|\mathbf{4}\rangle\langle2|\mathbf{4}|1]\ldots\langle\!(12\,\mathrm{terms})\!)\ldots-3/4\langle1|\mathbf{3}|1]\mathrm{tr}(\mathbf{3}|\mathbf{4})[\mathbf{3}1]\langle2\mathbf{4}\rangle)}{\Delta_{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}+
                                                                m_t(\langle \mathbf{3}|@(|1|2|\mathbf{3}|\mathbf{4}|\mathbf{3}|-|1|\mathbf{3}|1|\mathbf{4}|\mathbf{3}|+|1|\mathbf{3}|\mathbf{3}|\mathbf{4}|1+2|-|\mathbf{3}|2|\mathbf{3}|\mathbf{4}|1+2|)@|\mathbf{4}])(7/12\langle 1|\mathbf{3}|1]-7/12\langle 2|\mathbf{3}|2]-1/6\langle 1|\mathbf{4}|1])\ ,
                                                                                                                                                                                                                                                                                                            \frac{12}{\langle 1|\mathbf{3}|2]}\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}
                                                                                                                                           \frac{1/6\langle 2|3|2]m_t(\langle 4|@(|1|2|3|4|3|-|1|3|1|4|3|+|1|3|3|4|1+2|-|3|2|3|4|1+2|)@|3]\rangle}{\langle 1|3|2|\Delta_{12}|3|4|5}+
                                                                                                                                                                                                                                                                                   \langle \mathbf{34} \rangle (-7/6\langle 1|\mathbf{3}|1] + 5/2\,m_t^2)
                                                                                                                                                                                                                                                                                                                                         (1|3|2)
                                                                                                                                                                                                                                                                                   \frac{[{\bf 34}](-1/3\langle 2|{\bf 3}|2]+5/6m_t^2)}{\langle 1|{\bf 3}|2|}+
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 $\frac{\operatorname{tr}(\mathbf{3}|\mathbf{4})(-3/4[12]\langle 2|\mathbf{3}|\mathbf{4}|2\rangle\langle \mathbf{34}\rangle\dots\langle \{5\operatorname{terms}\rangle\dots+3/8\langle 1|\mathbf{3}|1]\langle \mathbf{34}\rangle\langle 2|\mathbf{3}|1])}{\Delta 1_2|\mathbf{3}|\mathbf{4}|\mathbf{5}} + \\ \frac{(3/8[12]\langle 2|\mathbf{3}|\mathbf{4}|2\rangle\operatorname{tr}(\mathbf{3}|\mathbf{4})[\mathbf{34}]\dots\langle \{4\operatorname{terms}\rangle\dots+3/8\langle 1|\mathbf{3}|1]\operatorname{tr}(\mathbf{3}|\mathbf{4})[\mathbf{3}1]\langle 2|\mathbf{3}|\mathbf{4}])}{\Delta 1_2|\mathbf{3}|\mathbf{4}|\mathbf{5}}$