

In[*]:= **Cancel@Together@Coefficient**[sol[\$k].SBasis, y_{1,3}]

Out[*]=

In[*]:= **Simplify@Integrate**[e^{-2λξ_{1,1}+λξ_{1,2}+λξ_{1,3}-λξ_{2,1}+λξ_{2,3}} e^{λ⁴}, λ]

Out[*]=

$$-\frac{1}{(-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3} - \xi_{2,1} + \xi_{2,3})^5} e^{\lambda(-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3} - \xi_{2,1} + \xi_{2,3})} \in$$

$$\left(-24 - 24\lambda(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3} + \xi_{2,1} - \xi_{2,3}) - 12\lambda^2(-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3} - \xi_{2,1} + \xi_{2,3})^2 + 4\lambda^3(-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3} - \xi_{2,1} + \xi_{2,3})^3 - \lambda^4(-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3} - \xi_{2,1} + \xi_{2,3})^4 \right)$$

In[*]:= **Factor@CF**[

$$-e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^3\eta_{1,3}^2\xi_{1,3} + \frac{4e^{-\lambda\xi_{1,1}+\lambda\xi_{1,2}}\eta_{1,3}\eta_{2,2}\xi_{1,2}}{(\xi_{1,1}-\xi_{1,2})^3} - \frac{2e^{-\lambda\xi_{1,1}+\lambda\xi_{1,2}}\lambda^2\eta_{1,3}\eta_{2,2}\xi_{1,2}}{-\xi_{1,1}+\xi_{1,2}} -$$

$$\frac{4e^{-\lambda\xi_{1,1}+\lambda\xi_{1,2}}\lambda\eta_{1,3}\eta_{2,2}\xi_{1,2}}{(\xi_{1,1}-\xi_{1,2})(-\xi_{1,1}+\xi_{1,2})} - \frac{4e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\eta_{2,1,3}\eta_{2,2,3}\xi_{1,1}\xi_{1,2,3}}{(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4} +$$

$$\frac{8e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\eta_{2,1,3}\eta_{2,2,3}\xi_{1,2}\xi_{1,2,3}}{(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4} - \frac{4e^{-\lambda\xi_{1,1}+\lambda\xi_{1,3}}\eta_{1,1,2}\eta_{2,1,3}\xi_{1,2}}{(\xi_{1,1}-\xi_{1,3})^3} -$$

$$\frac{4e^{-\lambda\xi_{1,1}+\lambda\xi_{1,3}}\eta_{2,2,3}\eta_{2,1,3}\xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,3})^3} + \frac{4e^{-2\lambda\xi_{1,1}+\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\eta_{2,1,2}\eta_{2,1,3}\xi_{1,1}\xi_{1,2}}{(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} -$$

$$\frac{8e^{-2\lambda\xi_{1,1}+\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\eta_{2,1,2}\eta_{2,1,3}\xi_{1,1}\xi_{1,2}}{(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} + \frac{4e^{-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\eta_{1,1,3}\eta_{2,2,3}\xi_{1,2,3}}{(\xi_{1,2}-\xi_{1,3})^3} -$$

$$\frac{64\eta_{1,3}\eta_{2,2}\xi_{1,1}^{11}\xi_{1,2}\xi_{1,2}^3}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} +$$

$$\frac{64\eta_{1,2}\eta_{2,3}\xi_{1,1}^{11}\xi_{1,2}\xi_{1,2}^3}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} -$$

$$\frac{4\eta_{2,2}\eta_{2,3}\xi_{1,1}^{11}\xi_{1,2}\xi_{1,2}^3}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} -$$

$$\frac{128\eta_{1,3}\eta_{2,2}\xi_{1,1}^{10}\xi_{1,2}\xi_{1,2}^4}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} -$$

$$\frac{64\eta_{1,2}\eta_{2,3}\xi_{1,1}^{10}\xi_{1,2}\xi_{1,2}^4}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} +$$

$$\frac{4\eta_{2,2}\eta_{2,3}\xi_{1,1}^{10}\xi_{1,2}\xi_{1,2}^4}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} +$$

$$\frac{32\eta_{1,3}\eta_{2,2}\xi_{1,1}^9\xi_{1,2}\xi_{1,2}^5}{(\xi_{1,1}-\xi_{1,2})^3(\xi_{1,1}+\xi_{1,2}-2\xi_{1,3})^4(\xi_{1,1}-\xi_{1,3})^3(2\xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4(\xi_{1,2}-\xi_{1,3})^3} -$$

$$\begin{aligned}
& \frac{224 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{20 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{160 \eta_{1,3} \eta_{2,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{12 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{260 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{36 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{80 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{380 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{76 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{244 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{12}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{13}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{14}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{14} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{13} \xi_{2,2} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{224 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{12} \xi_{2,2}^2 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^3 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{256 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^3 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^3 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^4 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{260 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^4 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^4 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{224 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^5 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{380 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^5 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{1312 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^5 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^6 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{76 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^6 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2112 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^6 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{260 \eta_{2,3} \eta_{1,3} \xi_{1,1}^7 \xi_{2,2}^7 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{244 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^7 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2052 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^7 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{380 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^8 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{52 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^8 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1236 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^8 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{76 \eta_{2,3} \eta_{1,3} \xi_{1,1}^5 \xi_{2,2}^9 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{52 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^9 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{452 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^9 \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{244 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^{10} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{28 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^{10} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{92 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^{10} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^{11} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^{11} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^{11} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^{12} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{13} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{14} \xi_{2,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \eta_{1,3} \eta_{2,3} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4} + \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{1,3} \xi_{1,2} \xi_{3,3}}{(2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{192 \eta_{1,2} \eta_{1,3} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12 \eta_{1,2} \eta_{1,3} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1216 \eta_{1,3} \eta_{2,2} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{1,2} \eta_{1,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,2} \eta_{1,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1120 \eta_{1,3} \eta_{2,2} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1760 \eta_{1,2} \eta_{1,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{140 \eta_{1,2} \eta_{1,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1248 \eta_{1,3} \eta_{2,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{480 \eta_{1,2} \eta_{1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{108 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{2,2}^5 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1252 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{2,2}^6 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3868 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{2,2}^6 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{348 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{2,2}^6 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{668 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^7 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1220 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^7 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{156 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^7 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{408 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{2,2}^8 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2964 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{2,2}^8 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{324 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{2,2}^8 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{200 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{2,2}^9 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2060 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{2,2}^9 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{100 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{2,2}^9 \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{20 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^{10} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{404 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^{10} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{104 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^{10} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{2,2}^{11} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{780 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{260 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{12} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{13} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{832 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{13} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1280 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{12} \xi_{2,2} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{192 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{192 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{3856 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1088 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1760 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{700 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2080 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{480 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3876 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

<https://drorbn.net/AcademicPensieve/Projects/SolvablePBW/Archive/#MathematicaNotebooks>

$$\begin{aligned}
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^{11} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{24 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^{11} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{260 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{12} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{28 \eta_{1,3} \eta_{2,3} \xi_{2,2}^{13} \xi_{2,3} \xi_{3,3}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{192 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{12 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{11} \xi_{1,2} \xi_{2,2} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{2880 \eta_{1,3} \eta_{2,2} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{1728 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{108 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{8320 \eta_{1,3} \eta_{2,2} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{1280 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{140 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{1920 \eta_{1,3} \eta_{2,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
 & \frac{9120 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{900 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
 & \frac{8748 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{9684 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{612 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2044 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9268 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1764 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3636 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{15516 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{828 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{120 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1860 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1260 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{500 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6140 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{320 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{36 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3684 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{288 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{12 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{780 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{12} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4768 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{12} \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{192 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2} \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9600 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2} \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{192 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2} \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1728 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4776 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{576 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1280 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{20680 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1280 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{9120 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6540 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{7200 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

[illegible]

$$\begin{aligned}
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^{10} \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{780 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{11} \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{11} \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{24 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{11} \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{12} \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2624 \eta_{1,3} \eta_{2,2} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1856 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{116 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{2,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{17\,920 \eta_{1,3} \eta_{2,2} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4480 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{220 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27\,520 \eta_{1,3} \eta_{2,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16\,000 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1620 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{9460 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8180 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1380 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{24500 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{41132 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4956 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4396 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{17668 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1596 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6380 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{20900 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4740 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1340 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{20900 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{720 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{380 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6140 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{1280 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{68 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{404 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{280 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{11} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{15872 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1856 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{38384 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{320 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4480 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4760 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{3200 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16000 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{53\,320\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^8\,\xi_{2,2}^3\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{5760\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^8\,\xi_{2,2}^3\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{8180\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,2}^4\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{37\,780\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,2}^4\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{780\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,2}^4\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{41\,132\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}^5\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{11\,732\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}^5\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{12\,180\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}^5\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{17\,668\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{2,2}^6\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{18\,508\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{2,2}^6\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{13\,692\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{2,2}^6\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{20\,900\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^7\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{3700\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^7\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{6180\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^7\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{20\,900\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^8\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{1340\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^8\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{720\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^8\,\xi_{1,2,3}\,\xi_{3,3}^3}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{6140 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{500 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{320 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{404 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{10} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{20 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{10} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{104 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{10} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{52 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^{11} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{8 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{11} \xi_{2,2} \xi_{1,2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{832 \eta_{1,3} \eta_{2,2} \xi_{1,1}^{10} \xi_{1,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{640 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^{10} \xi_{1,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{15520 \eta_{1,3} \eta_{2,2} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6880 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{400 \eta_{1,2} \eta_{2,3} \xi_{1,1}^9 \xi_{1,2} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{60960 \eta_{1,3} \eta_{2,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{720 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{45580 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{40180 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4620 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{47180 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{37100 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3780 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{30156 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{35196 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{9828 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{16660 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{58660 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6300 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3700 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{20900 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6180 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1860 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{1860 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2340 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{20 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2060 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1340 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{28 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{244 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{92 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^{10} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{640 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{34052 \eta_{1,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{2,3} \eta_{2,3} \xi_{1,1}^{10} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6880 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{93580 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{800 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,2} \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{50700 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2880 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

<https://drorbn.net/AcademicPensieve/Projects/SolvablePBW/Archive/#MathematicaNotebooks>

$$\begin{aligned}
& \frac{1260 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2060 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{200 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{100 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^9 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{244 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4768 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^9 \xi_{1,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2656 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^9 \xi_{1,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{160 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^9 \xi_{1,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{52320 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11616 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{432 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{124884 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27180 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3924 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{26068 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{26\,572\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{1,2}\,\xi_{2,2}^3\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{3444\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{1,2}\,\xi_{2,2}^3\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{86\,772\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}^5\,\xi_{1,2}\,\xi_{2,2}^4\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{79\,716\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{1,2}\,\xi_{2,2}^4\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{14\,364\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{1,2}\,\xi_{2,2}^4\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{10\,164\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}^4\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{35\,196\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{2268\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{18\,508\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}^3\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{17\,668\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{13\,692\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{756\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{15\,516\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{36\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{780\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^8\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{2964\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^8\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{3348\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^8\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{52 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{76 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{452 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^9 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2656 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{49\,388 \eta_{1,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{352 \eta_{2,3} \eta_{2,3} \xi_{1,1}^9 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11\,616 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2} \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{148\,164 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2} \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2592 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2} \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27\,180 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{122\,436 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2772 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{26\,572 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{31\,780 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{6132 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{79\,716 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{86\,772 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{14\,364\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{1,2}^4\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{35\,196\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^5\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{30\,156\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^5\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{9828\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^4\,\xi_{2,2}^5\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{17\,668\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^6\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{4396\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^6\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{1596\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^3\,\xi_{2,2}^6\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{15\,516\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{2,2}^7\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{3636\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{2,2}^7\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{828\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{2,2}^7\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{2964\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{2,2}^8\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{408\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{2,2}^8\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{324\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{2,2}^8\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{76\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^9\,\xi_{2,2}\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{8\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^9\,\xi_{2,2}\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} + \\
& \frac{28\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^9\,\xi_{2,2}\,\xi_{1,3}\,\xi_{3,3}^5}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} - \\
& \frac{15\,872\,\eta_{1,3}\,\eta_{2,1,2}\,\xi_{1,1}^8\,\xi_{1,2}\,\xi_{3,3}^6}{(\xi_{1,1}-\xi_{2,2})^3(\xi_{1,1}+\xi_{2,2}-2\xi_{3,3})^4(\xi_{1,1}-\xi_{3,3})^3(2\xi_{1,1}-\xi_{2,2}-\xi_{3,3})^4(\xi_{2,2}-\xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{5920 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{312 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{111\,388 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6428 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{732 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{158\,732 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{44\,996 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6300 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{31\,780 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{26\,572 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{6132 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{80\,780 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{37\,100 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{13\,860 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11\,732 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{41\,132 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12\,180 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{8372 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9268 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6804 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1292 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1220 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4476 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^7 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{52 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{380 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1236 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^8 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{5920 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{49388 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{96 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6428 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{156740 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2532 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{44996 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{158732 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

[illegible]

$$\begin{aligned}
& \frac{80 \eta_{1,3} \eta_{2,3} \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{2,2}^8 \xi_{1,2,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{34052 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{7684 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{252 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{156740 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6428 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2532 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{122436 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27180 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2772 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{68860 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{40180 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{12300 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{37780 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8180 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{780 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{12\,204\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9684\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11\,052\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}^2\,\xi_{1,2}\,\xi_{2,2}^5\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1100\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3868\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2532\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,1}\,\xi_{1,2}\,\xi_{2,2}^6\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{244\,\eta_{1,3}\,\eta_{2,2}\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{260\,\eta_{1,2}\,\eta_{2,3}\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2052\,\eta_{2,2}\,\eta_{2,3}\,\xi_{1,2}\,\xi_{2,2}^7\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{7684\,\eta_{2,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{34\,052\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{252\,\eta_{2,3}\,\eta_{2,3}\,\xi_{1,1}^7\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6428\,\eta_{2,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{111\,388\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{732\,\eta_{2,3}\,\eta_{2,3}\,\xi_{1,1}^6\,\xi_{2,2}\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27\,180\,\eta_{2,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{2,2}^2\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{124\,884\,\eta_{1,3}\,\eta_{2,3}\,\xi_{1,1}^5\,\xi_{2,2}^2\,\xi_{2,3}\,\xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2\xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2\xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{3924 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{40180 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{45580 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4620 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8180 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{9460 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1380 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9684 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{8748 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{612 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3868 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1252 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{348 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{260 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{36 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^7}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{49388 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{5920 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{96 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{148164 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11616 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2592 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{50700 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2880 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{53320 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16000 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{5760 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6540 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{9120 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{7200 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{3876 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{480 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{864 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{76 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2112 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{5920 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{15872 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{312 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{11616 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{52320 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{432 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{60960 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{720 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{16000 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{27520 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1620 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{9120 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{900 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{480 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1248 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{108 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^5 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{160 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^8}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{49388 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2656 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{352 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{93580 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6880 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{800 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4760 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4480 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{3200 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{20680 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{1280 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1280 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{700 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1760 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2080 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{380 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{224 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1312 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2656 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4768 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{160 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{6880 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{15520 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{400 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{4480 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{17920 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{220 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{1280 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{8320 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{140 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1760 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1120 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{140 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{224 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{32 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{20 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{3,3}^9}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{34052 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{640 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{256 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{38384 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1856 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{320 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4776 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1728 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{576 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{3856 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1088 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{260 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{2,2}^4 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{640 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{832 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{40 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1856 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2} \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2624 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2} \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{116 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2} \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{1728 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{2880 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{108 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^2 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{448 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^3 \xi_{2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} +
\end{aligned}$$

$$\begin{aligned}
& \frac{1216 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{28 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{128 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{4 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{3,3}^{10}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{15872 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{64 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{9600 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{192 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{192 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2} \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{1920 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{192 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{192 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} - \\
& \frac{256 \eta_{1,3} \eta_{2,1,2} \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{2,2}^3 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{64 \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{2,2}^3 \xi_{3,3}^{11}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} -
\end{aligned}$$

<https://drorbn.net/AcademicPensieve/Projects/SolvablePBW/Archive/#MathematicaNotebooks>

$$\begin{aligned}
& \frac{64 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{3,3}^{14}}{(\xi_{1,1} - \xi_{2,2})^3 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^4 (\xi_{1,1} - \xi_{3,3})^3 (2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^3} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}}{-\xi_{1,1} + \xi_{3,3}} + \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}}{-\xi_{1,1} + \xi_{3,3}} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{2,3}}{-\xi_{1,1} + \xi_{3,3}} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}}{(\xi_{1,1} - \xi_{3,3}) (-\xi_{1,1} + \xi_{3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,3} \eta_{2,3} \xi_{2,3}}{(\xi_{1,1} - \xi_{3,3}) (-\xi_{1,1} + \xi_{3,3})} - \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{3,3}}{-\xi_{1,1} + \xi_{3,3}} - \\
& \frac{e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{2,2}}{-\xi_{2,2} + \xi_{3,3}} - \frac{2 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{2,3}}{-\xi_{2,2} + \xi_{3,3}} - \\
& \frac{4 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{2,3}}{(\xi_{2,2} - \xi_{3,3}) (-\xi_{2,2} + \xi_{3,3})} + \frac{e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{3,3}}{-\xi_{2,2} + \xi_{3,3}} + \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}}{-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^2 (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}}{(2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^2 (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}}{2 (\xi_{1,1} - \xi_{2,2} - \xi_{3,3}) (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}}{(2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3}) (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} - \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{3,3}}{-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{3,3}}{(2 \xi_{1,1} - \xi_{2,2} - \xi_{3,3})^2 (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{3,3}}{2 (\xi_{1,1} - \xi_{2,2} - \xi_{3,3}) (-2 \xi_{1,1} + \xi_{2,2} + \xi_{3,3})} + \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,3}}{-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3}} - \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{2,2} \xi_{2,3}}{-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3}} + \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^2 (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda \eta_{2,3} \eta_{2,3} \xi_{2,2} \xi_{2,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^2 (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,3}}{2 (\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3}) (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} - \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{2,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3}) (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})}
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3}) (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3})^2 (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} + \xi_{2,2} - 2 \xi_{3,3}) (-\xi_{1,1} - \xi_{2,2} + 2 \xi_{3,3})} \Big]
\end{aligned}$$

Out[]=