

$$\begin{aligned}
\{f_{1,2}[\lambda] \rightarrow & e^{-\xi_{12,2}+\xi_{13,3}-\xi_{21,1}} \lambda^2 \eta_{2,3} \xi_{1,3} - e^{\xi_{13,3}-\xi_{21,1}} \lambda^3 \eta_{1,3} \xi_{1,2} \xi_{1,3} + e^{-\xi_{12,2}+\xi_{14,4}-\xi_{21,1}} \lambda^2 \eta_{2,4} \xi_{1,4} - \\
& e^{\xi_{14,4}-\xi_{21,1}} \lambda^3 \eta_{1,4} \xi_{1,2} \xi_{1,4} + e^{-\xi_{12,2}+\xi_{13,3}+\xi_{14,4}-\xi_{21,1}} \lambda^3 \eta_{2,4} \xi_{1,3} \xi_{1,4} - e^{\xi_{13,3}+\xi_{14,4}-\xi_{21,1}} \lambda^4 \eta_{1,4} \xi_{1,2} \xi_{1,3} \xi_{1,4} + \\
& \lambda^3 \eta_{1,2} \xi_{1,2} \xi_{2,2} - e^{-\xi_{12,2}+\xi_{13,3}} \lambda^3 \eta_{2,3} \xi_{1,2} \xi_{2,2} + e^{\xi_{13,3}} \lambda^4 \eta_{1,3} \xi_{1,2} \xi_{1,2} \xi_{2,2} - e^{-\xi_{12,2}+\xi_{14,4}} \lambda^3 \eta_{2,4} \xi_{1,2} \xi_{2,2} + \\
& e^{\xi_{14,4}} \lambda^4 \eta_{1,4} \xi_{1,2} \xi_{1,2} \xi_{2,2} - e^{-\xi_{12,2}+\xi_{13,3}+\xi_{14,4}} \lambda^4 \eta_{2,4} \xi_{1,2} \xi_{1,4} \xi_{2,2} + e^{\xi_{13,3}+\xi_{14,4}} \lambda^5 \eta_{1,4} \xi_{1,2} \xi_{1,2} \xi_{1,4} \xi_{2,2} \}
\end{aligned}$$