

$$-\frac{4}{3} \textcolor{blue}{1}\mathcal{R}_{abcd} + \frac{2}{3} \textcolor{blue}{1}\mathcal{R}_{acbd} + \textcolor{blue}{2}\mathcal{R}_{abdc} +$$

$$\textcolor{blue}{3}\mathcal{R}_{abcd} + \frac{1}{2} \gamma_{bd} \textcolor{blue}{4}\mathcal{R}_{ac} - \frac{1}{2} \gamma_{bc} \textcolor{blue}{4}\mathcal{R}_{ad} -$$

$$\frac{1}{2} \gamma_{ad} \textcolor{blue}{4}\mathcal{R}_{bc} + \frac{1}{2} \gamma_{ac} \textcolor{blue}{4}\mathcal{R}_{bd} + \frac{1}{2} \gamma_{bd} \textcolor{blue}{5}\mathcal{R}_{ac} -$$

$$\frac{1}{2} \gamma_{bc} \textcolor{blue}{5}\mathcal{R}_{ad} - \frac{1}{2} \gamma_{ad} \textcolor{blue}{5}\mathcal{R}_{bc} + \frac{1}{2} \gamma_{ac} \textcolor{blue}{5}\mathcal{R}_{bd} +$$

$$\frac{1}{12} \gamma_{ad} \gamma_{bc} \textcolor{blue}{6}\mathcal{R} - \frac{1}{12} \gamma_{ac} \gamma_{bd} \textcolor{blue}{6}\mathcal{R}$$