$$k = 1: \quad \text{IIA sugra}$$

$$\text{Witten}$$

$$-\begin{cases} \cancel{10}\cancel{\mathrm{G}}\cancel{2} \\ \cancel{X}\cancel{3} \end{cases} = \mathrm{G}^{-2}\left(-\boxed{\cancel{10}} - \overline{\cancel{\mathrm{G}}/\cancel{\mathrm{G}}} + \overline{\underset{-}{\cancel{2}}}^{2}\right) + \left(\overline{\underset{-}{\cancel{X}}}^{2} + \overline{\underset{-}{\cancel{3}} + \cancel{X}\wedge\cancel{2}}\right) + \underset{-}{\cancel{3}}\wedge\underset{-}{\cancel{3}}\wedge\cancel{2}$$

$$-\begin{cases} \cancel{10} \\ \cancel{\mathrm{G}} \\ \cancel{X}\cancel{2}\cancel{3} \end{cases} = -\boxed{\cancel{10}} + \overline{\underset{-}{\cancel{\mathrm{G}}}}^{2} + H\,e^{-3\cancel{\mathrm{G}}/2}\,\overline{\underset{-}{\cancel{X}}}^{2} + e^{\cancel{\mathrm{G}}}\,\overline{\underset{-}{\cancel{2}}}^{2} + e^{-\cancel{\mathrm{G}}/2}\,\overline{\underset{-}{\cancel{3}} - \underset{-}{\cancel{2}}\cancel{X}}^{2} + \overset{2}{\underset{-}{\cancel{3}}}\,\cancel{2}$$