

{CF@Ea[t, 1, 2]_1, CF@Ea[t, 1, 2]_2} /. t → 0

{UU[a[1, 1, h∞]], UU[a[1, 2, h∞]]}

{D[Ea[t, 1, 2]_1, t], D[Ea[t, 1, 2]_2, t]}

$$\left\{ \begin{aligned} & \text{UU} \left[\delta \text{aa}[1, \varsigma, h\infty, 1, 2] + \right. \\ & \left. \delta \text{aa}[-e^{-t b_1}, \varsigma, 2, 1, h\infty] + \delta \text{aa} \left[-\frac{1}{b_1} + \frac{e^{-t b_1}}{b_1}, 1, 2, 1, h\infty \right] \right], \\ & \text{UU} \left[a[e^{t b_1} b_1, 2, h\infty] + a[-e^{t b_1} b_2, 1, h\infty] + \right. \\ & \delta a[-e^{t b_1} t b_2, 1, h\infty] + \delta a[e^{t b_1} t b_1 b_2, \varsigma, h\infty] + \\ & \delta \text{aa}[e^{t b_1} t, 1, 2, 2, h\infty] + \delta \text{aa}[-e^{t b_1} t b_1, \varsigma, 2, 2, h\infty] + \\ & \delta \text{aa}[e^{-t b_1} + e^{t b_1} t b_2, \varsigma, 2, 1, h\infty] + \\ & \delta \text{aa} \left[-e^{t b_1} + \frac{b_2}{b_1} - \frac{e^{t b_1} b_2}{b_1}, \varsigma, h\infty, 1, 2 \right] + \\ & \left. \delta \text{aa} \left[-\frac{e^{-t b_1}}{b_1} + \frac{e^{t b_1}}{b_1} - \frac{b_2}{b_1^2} + \frac{e^{t b_1} b_2}{b_1^2} - \frac{e^{t b_1} t b_2}{b_1}, 1, 2, 1, h\infty \right] \right] \end{aligned} \right\}$$

{D[Ea[t, 1, 2]_1, t] -

bb[1, 2][UU[a[1, 1, 2]], Ea[t, 1, 2]_1],

D[Ea[t, 1, 2]_2, t] -

bb[1, 2][UU[a[1, 1, 2]], Ea[t, 1, 2]_2]}

{UU[0], UU[0]}