

In[]:= Do[Echo@Es[i], {i, 1, 10}]

» 8 t ħ

» {√T, -√T ħ a_{k\$64328}}

» - $\frac{\hbar X_{20} Y_{13}}{T} + \frac{\hbar X_{20} Y_{20}}{T}$

» $e^{-t\hbar} (-\hbar X_{n\$485480[20]} Y_{n\$485480[0]} + \hbar X_{n\$485480[20]} Y_{n\$485480[20]}) +$
 $\frac{1}{\hbar} (\hbar Y_0 \eta_{n\$485480[0]} + \hbar Y_0 \eta_{n\$485480[20]} + \hbar X_0 \xi_{n\$485480[0]} +$
 $\eta_{n\$485480[20]} \xi_{n\$485480[0]} - e^{t\hbar} \eta_{n\$485480[20]} \xi_{n\$485480[0]} + \hbar X_0 \xi_{n\$485480[20]})$

» $\left\{ \frac{1}{\sqrt{T}}, e^{\frac{\hbar X_{20} Y_{13}}{T} - \frac{\hbar X_{20} Y_{20}}{T}} \left(\frac{1}{4 T^{5/2} \gamma \hbar} e^{-\frac{\hbar X_{20} Y_{13}}{T} + \frac{\hbar X_{20} Y_{20}}{T}} \right. \right.$
 $(4 T^2 \gamma \hbar^2 a_{20} - 4 T^2 \hbar^2 a_{13} a_{20} + 4 T^2 \hbar^2 a_{20}^2 - 4 T \gamma \hbar^3 a_{13} X_{20} Y_{13} - 4 T \gamma \hbar^3 a_{20} X_{20} Y_{13} - 3 \gamma^2 \hbar^4 X_{20}^2 Y_{13}^2) +$
 $\left. \frac{e^{-\frac{\hbar X_{20} Y_{13}}{T} + \frac{\hbar X_{20} Y_{20}}{T}} (4 T \gamma \hbar^3 a_{13} X_{20} + 4 \gamma^2 \hbar^4 X_{20}^2 Y_{13}) Y_{20}}{4 T^{5/2} \gamma \hbar} - \frac{e^{-\frac{\hbar X_{20} Y_{13}}{T} + \frac{\hbar X_{20} Y_{20}}{T}} \gamma \hbar^3 X_{20}^2 Y_{20}^2}{4 T^{5/2}} \right\}$

» $\frac{1}{e^{2t\hbar} - 2 e^{3t\hbar} + 3 e^{4t\hbar} - 4 e^{5t\hbar} + 5 e^{6t\hbar} - 3 e^{7t\hbar} + e^{8t\hbar}}$

$(e^{t\hbar} \hbar X_{20} Y_{20} - 2 e^{2t\hbar} \hbar X_{20} Y_{20} + 3 e^{3t\hbar} \hbar X_{20} Y_{20} - 4 e^{4t\hbar} \hbar X_{20} Y_{20} + 5 e^{5t\hbar} \hbar X_{20} Y_{20} - 3 e^{6t\hbar} \hbar X_{20} Y_{20} +$
 $e^{7t\hbar} \hbar X_{20} Y_{20} + \hbar X_{n\$404784[0]} Y_{n\$404784[0]} - 3 e^{t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} + 5 e^{2t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} -$
 $5 e^{3t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} + 5 e^{4t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} - 3 e^{5t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} +$
 $e^{6t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[0]} - e^{t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} + 3 e^{2t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} -$
 $5 e^{3t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} + 5 e^{4t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} - 5 e^{5t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} +$
 $3 e^{6t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} - e^{7t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[0]} - e^{t\hbar} \hbar X_{20} Y_{n\$404784[13]} +$
 $2 e^{2t\hbar} \hbar X_{20} Y_{n\$404784[13]} - 3 e^{3t\hbar} \hbar X_{20} Y_{n\$404784[13]} + 4 e^{4t\hbar} \hbar X_{20} Y_{n\$404784[13]} - 5 e^{5t\hbar} \hbar X_{20} Y_{n\$404784[13]} +$
 $3 e^{6t\hbar} \hbar X_{20} Y_{n\$404784[13]} - e^{7t\hbar} \hbar X_{20} Y_{n\$404784[13]} - \hbar X_{n\$404784[0]} Y_{n\$404784[13]} + 3 e^{t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} -$
 $5 e^{2t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} + 5 e^{3t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} - 5 e^{4t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} +$
 $3 e^{5t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} - e^{6t\hbar} \hbar X_{n\$404784[0]} Y_{n\$404784[13]} + e^{t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} -$
 $3 e^{2t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} + 5 e^{3t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} - 5 e^{4t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} +$
 $5 e^{5t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} - 3 e^{6t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]} + e^{7t\hbar} \hbar X_{n\$404784[13]} Y_{n\$404784[13]}) +$
 $\frac{1}{\hbar} (\hbar Y_0 \eta_{n\$404784[0]} + \hbar Y_0 \eta_{n\$404784[13]} + \hbar X_0 \xi_{n\$404784[0]} + \eta_{n\$404784[13]} \xi_{n\$404784[0]} -$
 $e^{t\hbar} \eta_{n\$404784[13]} \xi_{n\$404784[0]} + \hbar X_0 \xi_{n\$404784[13]})$

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$$\frac{1}{T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar} \left(\left((-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) (T^2 \hbar x_0 - 2 T^3 \hbar x_0 + 3 T^4 \hbar x_0 - 4 T^5 \hbar x_0 + 5 T^6 \hbar x_0 - 3 T^7 \hbar x_0 + T^8 \hbar x_0) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right. \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) + \\ \left((T \hbar^2 - 3 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 5 T^5 \hbar^2 - 3 T^6 \hbar^2 + T^7 \hbar^2) (T^2 \hbar x_0 - 2 T^3 \hbar x_0 + 3 T^4 \hbar x_0 - 4 T^5 \hbar x_0 + 5 T^6 \hbar x_0 - 3 T^7 \hbar x_0 + T^8 \hbar x_0) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) + \\ \left(-T \hbar^2 x_{20} + 2 T^2 \hbar^2 x_{20} - 3 T^3 \hbar^2 x_{20} + 4 T^4 \hbar^2 x_{20} - 5 T^5 \hbar^2 x_{20} + 3 T^6 \hbar^2 x_{20} - T^7 \hbar^2 x_{20} \right) / \\ \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar) \right) \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) \\ \left. (T^2 \hbar y_0 - 2 T^3 \hbar y_0 + 3 T^4 \hbar y_0 - 4 T^5 \hbar y_0 + 5 T^6 \hbar y_0 - 3 T^7 \hbar y_0 + T^8 \hbar y_0) + \right. \\ \left. 1 \right)$$

$$\frac{1}{T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar} \left(\left((\hbar^2 - 3 T \hbar^2 + 5 T^2 \hbar^2 - 5 T^3 \hbar^2 + 5 T^4 \hbar^2 - 3 T^5 \hbar^2 + T^6 \hbar^2) \right. \right. \\ \left. \left. (T^2 \hbar x_0 - 2 T^3 \hbar x_0 + 3 T^4 \hbar x_0 - 4 T^5 \hbar x_0 + 5 T^6 \hbar x_0 - 3 T^7 \hbar x_0 + T^8 \hbar x_0) \right) / \right. \\ \left. \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right. \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) + \\ \left((-T \hbar^2 + 3 T^2 \hbar^2 - 5 T^3 \hbar^2 + 5 T^4 \hbar^2 - 5 T^5 \hbar^2 + 3 T^6 \hbar^2 - T^7 \hbar^2) (T^2 \hbar x_0 - 2 T^3 \hbar x_0 + 3 T^4 \hbar x_0 - 4 T^5 \hbar x_0 + 5 T^6 \hbar x_0 - 3 T^7 \hbar x_0 + T^8 \hbar x_0) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) + \\ \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (\hbar^2 - 3 T \hbar^2 + 5 T^2 \hbar^2 - 5 T^3 \hbar^2 + 5 T^4 \hbar^2 - 3 T^5 \hbar^2 + T^6 \hbar^2) \right) / \\ \left(-T \hbar^2 x_{20} + 2 T^2 \hbar^2 x_{20} - 3 T^3 \hbar^2 x_{20} + 4 T^4 \hbar^2 x_{20} - 5 T^5 \hbar^2 x_{20} + 3 T^6 \hbar^2 x_{20} - T^7 \hbar^2 x_{20} \right) / \\ \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^3 \right) \\ \left. (1 - \left((T^2 - 3 T^3 + 5 T^4 - 7 T^5 + 9 T^6 - 8 T^7 + 4 T^8 - T^9) (-\hbar^2 + 3 T \hbar^2 - 5 T^2 \hbar^2 + 5 T^3 \hbar^2 - 5 T^4 \hbar^2 + 3 T^5 \hbar^2 - T^6 \hbar^2) \right) / \left((T^2 \hbar - 2 T^3 \hbar + 3 T^4 \hbar - 4 T^5 \hbar + 5 T^6 \hbar - 3 T^7 \hbar + T^8 \hbar)^2 \right) \right) \\ \left. (T^2 \hbar y_0 - 2 T^3 \hbar y_0 + 3 T^4 \hbar y_0 - 4 T^5 \hbar y_0 + 5 T^6 \hbar y_0 - 3 T^7 \hbar y_0 + T^8 \hbar y_0) + \right. \\ \left. (T \hbar^2 x_{20} y_{20} - 2 T^2 \hbar^2 x_{20} y_{20} + \right. \\ \left. 3 T^3 \hbar^2 x_{20} y_{20} - \right. \\ \left. 4 T^4 \hbar^2 x_{20} y_{20} + \right. \\ \left. 5 T^5 \hbar^2 x_{20} y_{20} - \right. \\ \left. 3 T^6 \hbar^2 x_{20} y_{20} + \right. \\ \left. T^7 \hbar^2 x_{20} y_{20}) / \left((T^2 \hbar - \right. \right. \\ \left. \left. 2 T^3 \hbar + \right. \right. \\ \left. \left. 3 T^4 \hbar - \right. \right. \\ \left. \left. 4 T^5 \hbar + \right. \right. \\ \left. \left. 5 T^6 \hbar - \right. \right. \\ \left. \left. 3 T^7 \hbar + \right. \right. \\ \left. \left. T^8 \hbar) \right) \right)$$

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$$\frac{1}{T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar} \left(\left((-T^2 \hbar^2 + T^3 \hbar^2 - T^4 \hbar^2 + T^5 \hbar^2) (T \hbar x_0 - 3 T^2 \hbar x_0 + 5 T^3 \hbar x_0 - 6 T^4 \hbar x_0 + 7 T^5 \hbar x_0 - 4 T^6 \hbar x_0 + T^7 \hbar x_0) \right) / \right. \\ \left. \left((T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)^2 \right) \right)$$

$$\begin{aligned}
& \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \\
& \quad \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) + \\
& \left((T^2\hbar^2 - T^3\hbar^2 + 2T^4\hbar^2 - 2T^5\hbar^2 + T^6\hbar^2) (T\hbar x_0 - 3T^2\hbar x_0 + 5T^3\hbar x_0 - 6T^4\hbar x_0 + 7T^5\hbar x_0 - \right. \\
& \quad \left. 4T^6\hbar x_0 + T^7\hbar x_0) \right) / \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \\
& \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \\
& \quad \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) + \\
& \left(-T^3\hbar^2 x_{14} + T^4\hbar^2 x_{14} - T^5\hbar^2 x_{14} \right) / \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar) \right) \\
& \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \\
& \quad \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \Big) \\
& (T\hbar y_0 - 3T^2\hbar y_0 + 5T^3\hbar y_0 - 6T^4\hbar y_0 + 7T^5\hbar y_0 - 4T^6\hbar y_0 + T^7\hbar y_0) + \\
& \quad \frac{1}{T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar} \\
& \left(\left((-T\hbar^2 + T^2\hbar^2 - T^5\hbar^2) (T\hbar x_0 - 3T^2\hbar x_0 + 5T^3\hbar x_0 - 6T^4\hbar x_0 + 7T^5\hbar x_0 - 4T^6\hbar x_0 + T^7\hbar x_0) \right) / \right. \\
& \quad \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \\
& \quad \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \\
& \quad \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) + \\
& \left(\frac{T\hbar^2 - 2T^2\hbar^2 + 3T^3\hbar^2 - 3T^4\hbar^2 + 2T^5\hbar^2 - T^6\hbar^2}{T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar} + \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) \right. \right. \\
& \quad \left. \left. (- \left((-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) (T\hbar^2 - 2T^2\hbar^2 + 3T^3\hbar^2 - 3T^4\hbar^2 + 2T^5\hbar^2 - T^6\hbar^2) \right) / \right. \right. \\
& \quad \left. \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) + \right. \\
& \quad \left. \left((-T\hbar^2 + T^2\hbar^2 - T^5\hbar^2) (T^2\hbar^2 - T^3\hbar^2 + 2T^4\hbar^2 - 2T^5\hbar^2 + T^6\hbar^2) \right) / (T\hbar - 3T^2\hbar + 5T^3\hbar - \right. \\
& \quad \left. \left. 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \right) / (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar) \Big) \\
& \left(T\hbar x_0 - 3T^2\hbar x_0 + 5T^3\hbar x_0 - 6T^4\hbar x_0 + 7T^5\hbar x_0 - 4T^6\hbar x_0 + T^7\hbar x_0 \right) \Big) / \\
& \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar) \right. \\
& \quad \left. \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \right. \\
& \quad \left. \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \right) + \\
& \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T\hbar^2 + T^2\hbar^2 - T^5\hbar^2) \right. \\
& \quad \left. (-T^3\hbar^2 x_{14} + T^4\hbar^2 x_{14} - T^5\hbar^2 x_{14}) \right) / \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar) \right)^3 \\
& \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \\
& \quad \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) + \\
& \left(-\hbar^2 x_{14} + 4T\hbar^2 x_{14} - 8T^2\hbar^2 x_{14} + 9T^3\hbar^2 x_{14} - 8T^4\hbar^2 x_{14} + 5T^5\hbar^2 x_{14} - T^6\hbar^2 x_{14} \right) / \\
& \quad \left(T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar \right) \Big) \\
& \left(T\hbar y_0 - 3T^2\hbar y_0 + 5T^3\hbar y_0 - 6T^4\hbar y_0 + 7T^5\hbar y_0 - 4T^6\hbar y_0 + T^7\hbar y_0 \right) + \\
& \left((T\hbar x_0 - 3T^2\hbar x_0 + 5T^3\hbar x_0 - 6T^4\hbar x_0 + 7T^5\hbar x_0 - 4T^6\hbar x_0 + T^7\hbar x_0) \right. \\
& \quad \left. (-T\hbar^2 y_{14} + T^2\hbar^2 y_{14} - 2T^3\hbar^2 y_{14} + T^4\hbar^2 y_{14}) \right) / \\
& \left(T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar \right)^2 + \\
& \quad \frac{1}{T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar} \\
& \left((T\hbar x_0 - 3T^2\hbar x_0 + 5T^3\hbar x_0 - 6T^4\hbar x_0 + 7T^5\hbar x_0 - 4T^6\hbar x_0 + T^7\hbar x_0) / \right. \\
& \quad \left((T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar) \right. \\
& \quad \left. \left(1 - \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (-T^2\hbar^2 + T^3\hbar^2 - T^4\hbar^2 + T^5\hbar^2) \right) / \right. \right. \\
& \quad \left. \left. (T\hbar - 3T^2\hbar + 5T^3\hbar - 6T^4\hbar + 7T^5\hbar - 4T^6\hbar + T^7\hbar)^2 \right) \right) + \\
& \quad \left. \left((T - 4T^2 + 8T^3 - 11T^4 + 13T^5 - 11T^6 + 5T^7 - T^8) (T^2\hbar^2 - T^3\hbar^2 + 2T^4\hbar^2 - 2T^5\hbar^2 + T^6\hbar^2) \right) \right)
\end{aligned}$$

$$\begin{aligned}
 & \left(T \hbar x_0 - 3 T^2 \hbar x_0 + 5 T^3 \hbar x_0 - 6 T^4 \hbar x_0 + 7 T^5 \hbar x_0 - 4 T^6 \hbar x_0 + T^7 \hbar x_0 \right) / \\
 & \left((T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)^3 \right. \\
 & \quad \left. (1 - ((T - 4 T^2 + 8 T^3 - 11 T^4 + 13 T^5 - 11 T^6 + 5 T^7 - T^8) (-T^2 \hbar^2 + T^3 \hbar^2 - T^4 \hbar^2 + T^5 \hbar^2)) / \right. \\
 & \quad \left. (T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)^2 \right) + \\
 & \left((T - 4 T^2 + 8 T^3 - 11 T^4 + 13 T^5 - 11 T^6 + 5 T^7 - T^8) (-T^3 \hbar^2 x_{14} + T^4 \hbar^2 x_{14} - T^5 \hbar^2 x_{14}) \right) / \\
 & \left((T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)^2 \right. \\
 & \quad \left. (1 - ((T - 4 T^2 + 8 T^3 - 11 T^4 + 13 T^5 - 11 T^6 + 5 T^7 - T^8) (-T^2 \hbar^2 + T^3 \hbar^2 - T^4 \hbar^2 + T^5 \hbar^2)) / \right. \\
 & \quad \left. (T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)^2 \right) \left. \right) \\
 & (T \hbar^2 y_{14} - T^3 \hbar^2 y_{14} + T^4 \hbar^2 y_{14}) + (\hbar^2 x_{14} y_{14} - 4 T \hbar^2 x_{14} y_{14} + 8 T^2 \hbar^2 x_{14} y_{14} - \\
 & 8 T^3 \hbar^2 x_{14} y_{14} + \\
 & 7 T^4 \hbar^2 x_{14} y_{14} - \\
 & 4 T^5 \hbar^2 x_{14} y_{14} + \\
 & T^6 \hbar^2 x_{14} y_{14}) / \\
 & (T \hbar - 3 T^2 \hbar + 5 T^3 \hbar - 6 T^4 \hbar + 7 T^5 \hbar - 4 T^6 \hbar + T^7 \hbar)
 \end{aligned}$$

$$\gg \left\{ \sqrt{T}, e \right. - \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} + \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} - \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar}$$

$$\left[-e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_0 - \frac{1}{\gamma}$$

$$e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_0^2 + \frac{1}{\gamma}$$

$$e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_0 a_5 -$$

$$\frac{1}{\gamma} e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_5^2 +$$

$$e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_8 +$$

$$\frac{1}{\gamma} e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_8^2 -$$

$$\frac{1}{\gamma} e \frac{\left(\frac{1-T}{\hbar} \right) \hbar x_8}{T} + x_{14} \left(-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5 \right)}{T \hbar} - \frac{\hbar x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) \hbar x_8}{T} + \frac{\hbar x_{14}}{T} \right) y_{14} + \frac{-T \hbar^2 x_0 y_0 + T \hbar^2 x_5 y_0 - T \hbar^2 x_5 y_5 + T \hbar^2 x_{17} y_5 + \hbar^2 x_8 y_8 + T \hbar^2 x_0 y_{17} - T \hbar^2 x_{17} y_{17}}{T \hbar} \right] \sqrt{T} \hbar a_5 a_{14} -$$

$$\begin{aligned}
 & \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 \\
 & x_0 x_5 y_0 y_5 + \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 x_0 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right) y_0 y_5 - \frac{1}{\sqrt{T}} \\
 & \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \gamma \hbar^3 x_5 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right) y_0 y_5 - \\
 & \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 x_5 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right) y_0 y_5 - \frac{1}{\sqrt{T}} \\
 & \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \gamma \hbar^3 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right)^2 y_0 y_5 - \\
 & \frac{3}{4} \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 x_5^2 y_5^2 - \\
 & \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 x_5 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right) y_5^2 - \\
 & \frac{3}{4} \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right)^2 y_5^2 - \\
 & \frac{1}{4} \frac{\left(\frac{1}{h} \frac{T}{h} \right) \frac{h x_8}{T} + x_{14}}{T h} \left(-h^2 y_0 + T h^2 y_0 - T h^2 y_5 \right) - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1) \frac{1}{T}}{T} \frac{h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar^3 x_{17}^2 y_5^2 +
 \end{aligned}$$

$$e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar^2 x_8^2 y_{14} \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right) - \frac{1}{2 \sqrt{T}}$$

$$3 e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar^2 x_8^2 y_{14} \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right) - \frac{1}{\sqrt{T}}$$

$$e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar^2 x_8 x_{14} y_{14} \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right) + \frac{1}{\sqrt{T}}$$

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$$e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \gamma \hbar^2 x_8$$

$$x_{14} \left(\frac{\left(\frac{1}{h} - \frac{T}{h} \right) (-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5)}{T \hbar} + y_{14} + \left(-1 + \frac{1}{T} \right) y_{14} \right) \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right) +$$

$$\frac{1}{4 T^{3/2}} e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar x_8^2 \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right)^2 - \frac{1}{\sqrt{T}}$$

$$e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar x_8^2 \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right)^2 +$$

$$\frac{3}{4} e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\sqrt{T} \gamma \hbar x_8^2 \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right)^2 - \frac{1}{2 \sqrt{T}}$$

$$e \frac{\left(\frac{1}{h} \frac{T}{h} \right)_{h x_8}}{\left(\frac{1}{h} \frac{T}{h} \right)_{+x_{14}}} \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{(-1+\frac{1}{T}) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\gamma \hbar x_8 x_{14} \left(\frac{-\hbar^2 y_0 + T \hbar^2 y_0 - T \hbar^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right)^2 +$$

$$\begin{aligned}
 & \frac{3}{2} e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \\
 & \sqrt{T} \gamma \hbar x_8 x_{14} \left(\frac{-h^2 y_0 + T h^2 y_0 - T h^2 y_5}{T \hbar} + \frac{\hbar y_{14}}{T} \right)^2 + \\
 & e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \hbar^2 a_0 x_{17} y_{17} + \\
 & e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \hbar^2 a_5 x_{17} y_{17} - \\
 & 2 e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \hbar^2 a_{17} x_{17}
 \end{aligned}$$

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$$y_{17} + e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \gamma \hbar^3 x_0$$

$$x_{17} y_0 y_{17} + e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \gamma$$

$$\hbar^3 x_5 x_{17} y_5 y_{17} + e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\sqrt{T} \gamma \hbar^3 \left(-\frac{\left(\frac{1}{h} - \frac{T}{h} \right) \hbar x_8}{T} + x_{14} \right) x_{17} y_5 y_{17} -$$

$$\frac{1}{4} e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h} \sqrt{T} \gamma \hbar^3 x_0^2 y_{17}^2 -$$

$$\frac{3}{4} e \left(\frac{\left(\frac{1}{h} \frac{T}{h} \right) h x_8}{T} + x_{14} \right) \frac{(-h^2 y_0 + T h^2 y_0 - T h^2 y_5)}{T h} - \frac{h x_8 y_{14}}{T} + \left(-\frac{\left(-1 + \frac{1}{T} \right) h x_8}{T} + \frac{h x_{14}}{T} \right) y_{14} + \frac{-T h^2 x_0 y_0 + T h^2 x_5 y_0 - T h^2 x_5 y_5 + T h^2 x_{17} y_5 + h^2 x_8 y_8 + T h^2 x_0 y_{17} - T h^2 x_{17} y_{17}}{T h}$$

$$\left. \sqrt{T} \gamma \hbar^3 x_{17}^2 y_{17}^2 \right\}$$

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$$\left\{ \frac{T^4}{1 - 4 T + 9 T^2 - 12 T^3 + 13 T^4 - 12 T^5 + 9 T^6 - 4 T^7 + T^8}, \right. \\
 - \left((24 T^4 \gamma \hbar^2) / (4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar) \left. \right) + \\
 (176 T^5 \gamma \hbar^2) / (4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + 21576 T^6 \hbar -$$

$$\begin{aligned}
& \left(716 T^{13} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) + \\
& \left(476 T^{14} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) - \\
& \left(256 T^{15} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) + \\
& \left(104 T^{16} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) - \\
& \left(28 T^{17} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) + \\
& \left(4 T^{18} \gamma \hbar^4 \left(x_0 + \left(-1 + \frac{1}{T} \right) x_0 \right)^2 y_0^2 \right) / \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + \right. \\
& \quad 21576 T^6 \hbar - 39360 T^7 \hbar + 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + \\
& \quad 140380 T^{12} \hbar - 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \left. \right) + \\
& \left(-T^2 \gamma \hbar^4 x_0^2 + 8 T^3 \gamma \hbar^4 x_0^2 - 34 T^4 \gamma \hbar^4 x_0^2 + 96 T^5 \gamma \hbar^4 x_0^2 - 203 T^6 \gamma \hbar^4 x_0^2 + 344 T^7 \gamma \hbar^4 x_0^2 - \right. \\
& \quad 492 T^8 \gamma \hbar^4 x_0^2 + 608 T^9 \gamma \hbar^4 x_0^2 - 653 T^{10} \gamma \hbar^4 x_0^2 + 608 T^{11} \gamma \hbar^4 x_0^2 - 492 T^{12} \gamma \hbar^4 x_0^2 + \\
& \quad \left. 344 T^{13} \gamma \hbar^4 x_0^2 - 203 T^{14} \gamma \hbar^4 x_0^2 + 96 T^{15} \gamma \hbar^4 x_0^2 - 34 T^{16} \gamma \hbar^4 x_0^2 + 8 T^{17} \gamma \hbar^4 x_0^2 - T^{18} \gamma \hbar^4 x_0^2 \right) y_0^2 / \\
& \left(4 \hbar - 48 T \hbar + 300 T^2 \hbar - 1264 T^3 \hbar + 4008 T^4 \hbar - 10176 T^5 \hbar + 21576 T^6 \hbar - 39360 T^7 \hbar + \right. \\
& \quad 63084 T^8 \hbar - 90048 T^9 \hbar + 115464 T^{10} \hbar - 133728 T^{11} \hbar + 140380 T^{12} \hbar - \\
& \quad 133728 T^{13} \hbar + 115464 T^{14} \hbar - 90048 T^{15} \hbar + 63084 T^{16} \hbar - 39360 T^{17} \hbar + \\
& \quad \left. 21576 T^{18} \hbar - 10176 T^{19} \hbar + 4008 T^{20} \hbar - 1264 T^{21} \hbar + 300 T^{22} \hbar - 48 T^{23} \hbar + 4 T^{24} \hbar \right) \}
\end{aligned}$$