

{34.875,

$$\mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\emptyset, \emptyset, \frac{T^4}{1 - 4T + 9T^2 - 12T^3 + 13T^4 - 12T^5 + 9T^6 - 4T^7 + T^8} + \right. \\ \left. \left(\left(a \left(-8T^4 \hbar + 24T^5 \hbar - 36T^6 \hbar + 24T^7 \hbar - 24T^9 \hbar + 36T^{10} \hbar - \right. \right. \right. \right. \\ \left. \left. \left. 24T^{11} \hbar + 8T^{12} \hbar \right) \right) / \left(1 - 8T + 34T^2 - 96T^3 + 203T^4 - \right. \right. \\ \left. \left. 344T^5 + 492T^6 - 608T^7 + 653T^8 - 608T^9 + 492T^{10} - \right. \right. \\ \left. \left. 344T^{11} + 203T^{12} - 96T^{13} + 34T^{14} - 8T^{15} + T^{16} \right) + \right. \\ \left. \left(-6T^4 \gamma \hbar + 44T^5 \gamma \hbar - 167T^6 \gamma \hbar + 410T^7 \gamma \hbar - 733T^8 \gamma \hbar + \right. \right. \\ \left. \left. 1016T^9 \gamma \hbar - 1140T^{10} \gamma \hbar + 1048T^{11} \gamma \hbar - 776T^{12} \gamma \hbar + \right. \right. \\ \left. \left. 440T^{13} \gamma \hbar - 156T^{14} \gamma \hbar - 16T^{15} \gamma \hbar + 79T^{16} \gamma \hbar - \right. \right. \\ \left. \left. 70T^{17} \gamma \hbar + 37T^{18} \gamma \hbar - 12T^{19} \gamma \hbar + 2T^{20} \gamma \hbar \right) / \right. \\ \left. \left(1 - 12T + 75T^2 - 316T^3 + 1002T^4 - 2544T^5 + 5394T^6 - \right. \right. \\ \left. \left. 9840T^7 + 15771T^8 - 22512T^9 + 28866T^{10} - \right. \right. \\ \left. \left. 33432T^{11} + 35095T^{12} - 33432T^{13} + 28866T^{14} - \right. \right. \\ \left. \left. 22512T^{15} + 15771T^{16} - 9840T^{17} + 5394T^{18} - \right. \right. \\ \left. \left. 2544T^{19} + 1002T^{20} - 316T^{21} + 75T^{22} - 12T^{23} + T^{24} \right) + \right. \\ \left. \left(xy \left(-8T^4 \gamma \hbar^2 + 16T^5 \gamma \hbar^2 - 20T^6 \gamma \hbar^2 + 4T^7 \gamma \hbar^2 + \right. \right. \right. \\ \left. \left. \left. 4T^8 \gamma \hbar^2 - 20T^9 \gamma \hbar^2 + 16T^{10} \gamma \hbar^2 - 8T^{11} \gamma \hbar^2 \right) \right) / \right. \\ \left. \left(1 - 8T + 34T^2 - 96T^3 + 203T^4 - 344T^5 + 492T^6 - \right. \right. \\ \left. \left. 608T^7 + 653T^8 - 608T^9 + 492T^{10} - 344T^{11} + \right. \right. \\ \left. \left. 203T^{12} - 96T^{13} + 34T^{14} - 8T^{15} + T^{16} \right) \right) \in + \mathcal{O}[\epsilon]^2 \Big] \Big\}$$