$$\mathbb{E}_{\{\} \to \{0\}}\left[0, \, 0, \, \frac{T}{1 - T + T^2} \, + \right.$$
$$\left(\frac{a\left(-2\,T\,\hbar + 2\,T^3\,\hbar\right)}{1 - 2\,T + 3\,T^2 - 2\,T^3 + T^4} + \frac{-2\,T\,\hbar + 3\,T^2\,\hbar - 2\,T^3\,\hbar + T^4\,\hbar}{1 - 3\,T + 6\,T^2 - 7\,T^3 + 6\,T^4 - 3\,T^5 + T^6} + \frac{x\,y\left(-2\,T\,\hbar^2 - 2\,T^2\,\hbar^2\right)}{1 - 2\,T + 3\,T^2 - 2\,T^3 + T^4}\right)$$
$$\left. \epsilon + O[\epsilon]^2\right]$$