

$$\begin{aligned}
& \mathbb{E}_{\{\cdot\} \rightarrow \{1\}} \left[ \theta, \theta, \frac{B}{1 - B + B^2} + \right. \\
& \frac{B \left( -B + 2B^2 + 2B^4 + a \left( -1 + B - B^3 + B^4 \right) - 2xy - B^3 (3 + 2xy) \right)}{(1 - B + B^2)^3} + \\
& \frac{1}{2 (1 - B + B^2)^5} \\
& B \left( 4B^8 + a^2 (1 - B + B^2)^2 (1 + B - 6B^2 + B^3 + B^4) + 6B^5 x^2 y^2 + \right. \\
& 2xy (-2 + 3xy) - B^7 (11 + 4xy) - 2B^2 (1 + 6x^2 y^2) - \\
& 2B^4 (1 - 2xy + 6x^2 y^2) + B (1 + 8xy + 6x^2 y^2) + \\
& B^6 (6 + 8xy + 6x^2 y^2) + B^3 (4 + 4xy + 30x^2 y^2) + \\
& 2a (1 - B + B^2) \left( 2B^6 + 2xy + 8B^3 (1 + xy) - 5B^2 (1 + 2xy) - \right. \\
& \left. \left. 2B^5 (1 + 2xy) - B^4 (7 + 2xy) + B (2 + 4xy) \right) \right) \epsilon^2 + 0[\epsilon]^3 \Big]
\end{aligned}$$