

$$\begin{array}{l}
3_1 \quad 1 + z^2 \quad 1 + (2z^2 + z^4) \epsilon + (2 - 4z^2 + 3z^4 + 4z^6 + z^8) \epsilon^2 + (-12 + 74z^2 - 27z^4 - 20z^6 + 8z^8 + 6z^{10} + z^{12}) \epsilon^3 \\
4_1 \quad 1 - z^2 \quad 1 + (-2 + 2z^4) \epsilon^2 \\
5_1 \quad 1 + 3z^2 + z^4 \quad 1 + (10z^2 + 21z^4 + 12z^6 + 2z^8) \epsilon + (6 - 28z^2 + 33z^4 + 364z^6 + 655z^8 + 536z^{10} + 227z^{12} + 48z^{14} + 4z^{16}) \epsilon^2 + (-60 + 970z^2 + 645z^4 - 3380z^6 - 3280z^8 + 7470z^{10} + 19475z^{12} + 20536z^{14} + 12564z^{16} + 4774z^{18} + 1109z^{20} + 144z^{22} + 8z^{24}) \epsilon^3 \\
5_2 \quad 1 + 2z^2 \quad 1 + (6z^2 + 5z^4) \epsilon + (4 - 20z^2 + 43z^4 + 64z^6 + 26z^8) \epsilon^2 + (-36 + 498z^2 - 883z^4 + 100z^6 + 816z^8 + 556z^{10} + 146z^{12}) \epsilon^3 \\
6_1 \quad 1 - 2z^2 \quad 1 + (-2z^2 + z^4) \epsilon + (-4 + 4z^2 + 25z^4 - 8z^6 + 2z^8) \epsilon^2 + (12 + 154z^2 - 223z^4 - 608z^6 + 100z^8 - 52z^{10} + 10z^{12}) \epsilon^3 \\
6_2 \quad 1 - z^2 - z^4 \quad 1 + (-2z^2 - 3z^4 + 2z^6 + z^8) \epsilon + (-2 - 4z^2 + 29z^4 + 28z^6 + 42z^8 - 8z^{10} - 2z^{12} + 4z^{14} + z^{16}) \epsilon^2 + (12 + 166z^2 + 155z^4 - 194z^6 - 2453z^8 - 1622z^{10} - 1967z^{12} - 258z^{14} + 49z^{16} - 30z^{18} + z^{20} + 6z^{22} + z^{24}) \epsilon^3 \\
6_3 \quad 1 + z^2 + z^4 \quad 1 + (2 + 8z^2 - 16z^6 - 24z^8 - 16z^{10} - 2z^{12}) \epsilon^2
\end{array}$$