$$
\begin{aligned}
2x^3 + 4x^2 + 0x + 0 &= (2x^2 + 0x + 0) \cdot (x + 2) \\
3x^2 + 6x + 0 &= (3x + 0) \cdot (x + 2) \\
1x + 2 &= 1 \cdot (x + 2) \\
2x^3 + 7x^2 + 7x + 1 &= (2x^2 + 3x + 1) \cdot (x + 2) \\
2x^3 + 7x^2 + 7x + 3 &= (2x^2 + 3x + 1) \cdot (x + 2) + 1
\end{aligned}
$$