

$$\begin{aligned}
& gx^4 + hx^3 + gx^2 + hx + g \\
& g(x+1)^4 + (4g+h)(x+1)^3 + (2g+3h)(x+1)^2 + (g+4h)(x+1) + (3g+2h) \\
& g(x+2)^4 + (3g+h)(x+2)^3 + h(x+2)^2 + (g+3h)(x+2) + g \\
& g(x+3)^4 + (2g+h)(x+3)^3 + 4h(x+3)^2 + (4g+3h)(x+3) + g \\
& g(x+4)^4 + (g+h)(x+4)^3 + (2g+2h)(x+4)^2 + (4g+4h)(x+4) + (3g+3h)
\end{aligned}$$

$$\begin{aligned}
& hx^4 + 2gx^3 + hx^2 + 2gx + h \\
& h(x+1)^4 + (2g+4h)(x+1)^3 + (g+2h)(x+1)^2 + (3g+h)(x+1) + (4g+3h) \\
& h(x+2)^4 + (2g+3h)(x+2)^3 + 2g(x+2)^2 + (g+h)(x+2) + h \\
& h(x+3)^4 + (2g+2h)(x+3)^3 + 3g(x+3)^2 + (g+4h)(x+3) + h \\
& h(x+4)^4 + (2g+h)(x+4)^3 + (4g+2h)(x+4)^2 + (3g+4h)(x+4) + (g+3h)
\end{aligned}$$

$$\begin{aligned}
& (g+h)x^4 + (2g+h)x^3 + (g+h)x^2 + (2g+h)x + (g+h) \\
& (g+h)(x+1)^4 + g(x+1)^3 + 3g(x+1)^2 + 4g(x+1) + 2g \\
& (g+h)(x+2)^4 + 4h(x+2)^3 + (2g+h)(x+2)^2 + (2g+4h)(x+2) + (g+h) \\
& (g+h)(x+3)^4 + (4g+3h)(x+3)^3 + (3g+4h)(x+3)^2 + 2h(x+3) + (g+h) \\
& (g+h)(x+4)^4 + (3g+2h)(x+4)^3 + (g+4h)(x+4)^2 + (2g+3h)(x+4) + (4g+h)
\end{aligned}$$

$$\begin{aligned}
& (g+2h)x^4 + (4g+h)x^3 + (g+2h)x^2 + (4g+h)x + (g+2h) \\
& (g+2h)(x+1)^4 + (3g+4h)(x+1)^3 + (4g+2h)(x+1)^2 + (2g+h)(x+1) + (g+3h) \\
& (g+2h)(x+2)^4 + (2g+2h)(x+2)^3 + (4g+h)(x+2)^2 + 3g(x+2) + (g+2h) \\
& (g+2h)(x+3)^4 + g(x+3)^3 + (g+4h)(x+3)^2 + (g+h)(x+3) + (g+2h) \\
& (g+2h)(x+4)^4 + 3h(x+4)^3 + h(x+4)^2 + 2h(x+4) + 4h
\end{aligned}$$

$$\begin{aligned}
& (g+3h)x^4 + (g+h)x^3 + (g+3h)x^2 + (g+h)x + (g+3h) \\
& (g+3h)(x+1)^4 + 3h(x+1)^3 + 4h(x+1)^2 + 2h(x+1) + h \\
& (g+3h)(x+2)^4 + 4g(x+2)^3 + (g+h)(x+2)^2 + (4g+h)(x+2) + (g+3h) \\
& (g+3h)(x+3)^4 + (3g+2h)(x+3)^3 + (4g+4h)(x+3)^2 + 2g(x+3) + (g+3h) \\
& (g+3h)(x+4)^4 + (2g+4h)(x+4)^3 + (4g+3h)(x+4)^2 + (3g+h)(x+4) + (g+2h)
\end{aligned}$$

$$\begin{aligned}
& (g+4h)x^4 + (3g+h)x^3 + (g+4h)x^2 + (3g+h)x + (g+4h) \\
& (g+4h)(x+1)^4 + (2g+2h)(x+1)^3 + (g+h)(x+1)^2 + (3g+3h)(x+1) + (4g+4h) \\
& (g+4h)(x+2)^4 + (g+3h)(x+2)^3 + (3g+h)(x+2)^2 + 2h(x+2) + (g+4h) \\
& (g+4h)(x+3)^4 + 4h(x+3)^3 + (2g+4h)(x+3)^2 + (3g+4h)(x+3) + (g+4h) \\
& (g+4h)(x+4)^4 + 4g(x+4)^3 + 3g(x+4)^2 + g(x+4) + 2g
\end{aligned}$$