

$$f_0 = (11032)$$

$$\begin{array}{ccccc}
3x^4 & +2x^3 & & & +1 \\
3(x+1)^4 & & +2(x+1)^2 & +4(x+1) & +2 \\
3(x+2)^4 & +3(x+2)^3 & & +3(x+2) & +3 \\
3(x+3)^4 & +(x+3)^3 & +4(x+3)^2 & & \\
3(x+4)^4 & +4(x+4)^3 & +4(x+4)^2 & +3(x+4) & +1
\end{array}$$

$$f_1 = (23334)$$

$$\begin{array}{cccc}
x^3 & +4x^2 & +x & +2 \\
(x+1)^3 & +(x+1)^2 & +(x+1) & +4 \\
(x+2)^3 & +3(x+2)^2 & +2(x+2) & +3 \\
(x+3)^3 & & +4(x+3) & +3 \\
(x+4)^3 & +2(x+4)^2 & +2(x+4) & +3
\end{array}$$

$$f_2 = (34311)$$

$$\begin{array}{ccccc}
3x^4 & +3x^3 & +4x^2 & +x & +3 \\
3(x+1)^4 & +(x+1)^3 & +3(x+1)^2 & & +1 \\
3(x+2)^4 & +4(x+2)^3 & +3(x+2)^2 & & +1 \\
3(x+3)^4 & +2(x+3)^3 & +4(x+3)^2 & +4(x+3) & +3 \\
3(x+4)^4 & & +(x+4)^2 & & +4
\end{array}$$

$$f_3 = (02140)$$

$$\begin{array}{ccccc}
3x^4 & +4x^3 & +3x^2 & +2x & \\
3(x+1)^4 & +2(x+1)^3 & +4(x+1)^2 & +(x+1) & \\
3(x+2)^4 & & +(x+2)^2 & +2(x+2) & +4 \\
3(x+3)^4 & +3(x+3)^3 & +4(x+3)^2 & +3(x+3) & +1 \\
3(x+4)^4 & +(x+4)^3 & +3(x+4)^2 & +2(x+4) & +2
\end{array}$$

$$f_4 = (20424)$$

$$\begin{array}{ccccc}
3x^4 & & +2x^2 & +3x & +2 \\
3(x+1)^4 & +3(x+1)^3 & & +2(x+1) & +4 \\
3(x+2)^4 & +(x+2)^3 & +4(x+2)^2 & +4(x+2) & +2 \\
3(x+3)^4 & +4(x+3)^3 & +4(x+3)^2 & +2(x+3) & +4 \\
3(x+4)^4 & +2(x+4)^3 & & +4(x+4) &
\end{array}$$

$$f_5 = (43203)$$

$$\begin{array}{ccccc}
3x^4 & +x^3 & +x^2 & +4x & +4 \\
3(x+1)^4 & +4(x+1)^3 & +(x+1)^2 & +3(x+1) & +3 \\
3(x+2)^4 & +2(x+2)^3 & +2(x+2)^2 & +(x+2) & \\
3(x+3)^4 & & +4(x+3)^2 & +(x+3) & +2 \\
3(x+4)^4 & +3(x+4)^3 & +2(x+4)^2 & +(x+4) & +3
\end{array}$$