

$$f(x) = f_0 + f_1x + f_2x^2 + f_3x^3 + f_4x^4 + f_5x^5 + f_6x^6 + f_7x^7$$

$$\begin{aligned} g(x) &= f(x+1) = f_0 + f_1(x+1) + f_2(x+1)^2 + f_3(x+1)^3 + f_4(x+1)^4 + f_5(x+1)^5 + f_6(x+1)^6 + f_7(x+1)^7 \\ &= f_0 + f_1(x+1) + f_2(x+1)^2 + f_3(x+1)^3 + (x+1)^4 [f_4 + f_5(x+1) + f_6(x+1)^2 + f_7(x+1)^3] \\ &= f_0 + f_1(x+1) + (x+1)^2 [f_2 + f_3(x+1)] + (x+1)^4 [f_4 + f_5(x+1) + (x+1)^2 [f_6 + f_7(x+1)]] \end{aligned}$$

$$\deg(f) = \deg(g) = 7$$

$$n = 8 = 2^3$$

$$e = 3$$

$$f_0 + f_1(x+1) + f_2(x+1)^2 + f_3(x+1)^3$$

$$f_4 + f_5(x+1) + f_6(x+1)^2 + f_7(x+1)^3$$

$$(x+1)^4 [f_4 + f_5(x+1) + f_6(x+1)^2 + f_7(x+1)^3]$$

$$f_0 + f_1(x+1)$$

$$f_2 + f_3(x+1)$$

$$f_4 + f_5(x+1)$$

$$f_6 + f_7(x+1)$$

$$(x+1)^2 [f_2 + f_3(x+1)]$$

$$(x+1)^2 [f_6 + f_7(x+1)]$$

$$f_0$$

$$(x+1)f_1$$

$$f_2$$

$$(x+1)f_3$$

$$f_4$$

$$(x+1)f_5$$

$$f_6$$

$$(x+1)f_7$$

$$f_1$$

$$f_3$$

$$f_5$$

$$f_7$$