

POLINOMOR:
$$5x^{3} + 3x^{2} + 7x - 6$$
 $74^{7} - 34^{2} + 44$
 $(2+i). x^{2} - 7x + (3+2i)$
 $5x^{3} + 3x^{2} + 7x - 6$
 4
 $-6 + 7x + 5x^{2} + 5x^{3}$
 $(-6, 7, 3, 5)$
 $f_{0}f_{1}f_{2}f_{3}$
 $f_{2}f_{3}x^{3}$

$$\frac{4}{5} + \frac{2}{4} + \frac{4}{3} + \frac{4}{3} + \frac{4}{3}$$

$$\frac{4}{5} + \frac{2}{4} + \frac{8}{3} + \frac{4}{3} + \frac{4}{3}$$

$$\frac{4}{5} + \frac{2}{4} + \frac{8}{3} + \frac{4}{3} + \frac{4}{3}$$

$$\frac{4}{7} = \left(\frac{4}{5} + \frac{4}{3} + \frac{4}{$$

 $3 + 4x + 5x^{2} + 7x^{3}$

 $f \cdot g = ? \qquad (2 + 7 \times + 3 \times 2) \cdot (1 + 8 \times + 2 \times 2)$ $= (2 \cdot 2 + 7 \cdot 8 + 3 \cdot 4) \times 2$

$$f \cdot g = h = (h_0, h_1, h_2, ...)$$

$$h_k = \sum_{i=0}^{k} f_i g_k + f_{i} g_1 + f_{2} g_0$$

$$h_3 = f_0 g_2 + f_1 \cdot g_1 + f_2 \cdot g_0$$

$$h_3 = f_0 g_2 + f_1 \cdot g_2 + f_2 \cdot g_1 + f_3 \cdot g_0$$

$$f_1 \cdot g_2 + f_2 \cdot g_1 + f_3 \cdot g_0$$

$$g = (1, 8, 2)$$

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$$f = (1, 8, 2, 0, 0, 0, ...)$$

$$\frac{3x^{3}+4x^{2}+2x+7}{3x^{3}+9x^{2}} = \frac{3x^{2}}{4x^{2}} + \frac{17}{5x^{2}} +$$

$$(x^{4} + 3x^{3} - 2x^{2} + x + 7)$$
: $(x^{2} + x + 1) = x^{2} + 2x - 5$
 $(x^{4} + x^{2} + x^{2} + x + 7)$: $(x^{2} + x + 1) = x^{2} + 2x - 5$
 $(x^{4} + x^{2} + x^{2} + x + 7)$: $(x^{2} + x + 1) = x^{2} + 2x - 5$
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 $(x^{4} + x + 1) = x^{4} + 2x - 5$
 $(x^{4} + x + 1) = x^{4} + 2x$

ALGO:
$$f = f_{n} \times^{n} + f_{n-1} \times^{n} + \cdots$$
 $g = g_{m} \times^{m} + g_{m-1} \times^{n} + \cdots$
 $f = g_{m} \times^{m} + g_{m-1} \times^{n} + \cdots$
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