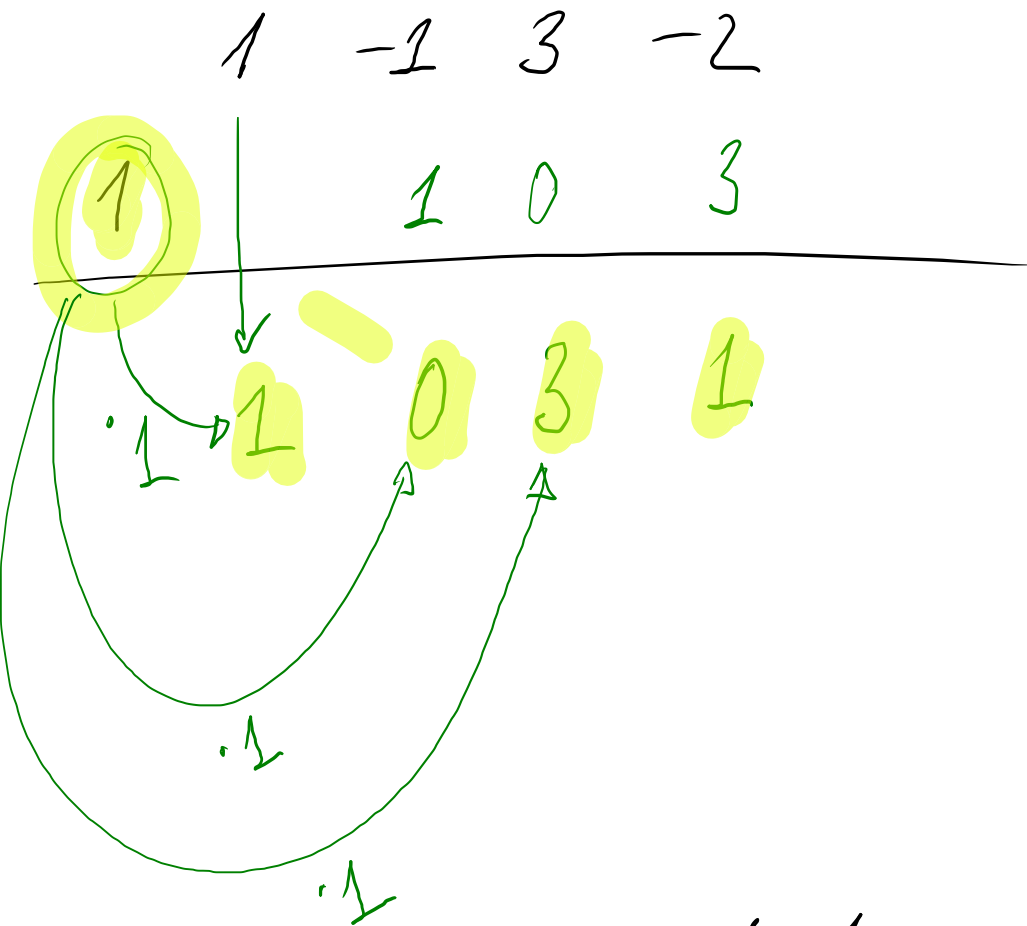


Schéma Horner



$x^2 + 0x + 3$ reste 1

$$x^3 - x^2 + 3x - 2$$

$$1x^3 - x^2$$

$$0x^2 + 3x - 2$$

$$3x - 3$$

$$1$$

$$x - 2$$

$$x - 1$$

$$x^2 + 3$$

$$17 \overline{) 5}$$

3

2

$$17 = 3 \cdot 5 + 2$$

$$x^3 - x^2 + 3x - 2 = (x - 1)(x^2 + 3) + 1$$

$$x^3 + x^2 - 3x + 3 \quad | \quad \begin{array}{l} x-0 \\ x-5 \end{array}$$

$$\begin{array}{r|l} x^3 + x^2 - 3x + 3 & x-5 \\ \hline x^3 - 5x^2 & x^2 + 6x + 27 \\ \hline 6x^2 - 3x + 3 & \\ 6x^2 - 30x & \\ \hline 27x + 3 & \\ 27x - 135 & \\ \hline 138 & \end{array}$$

	x^3	x^2	x	
	1	1	-3	3
5				
	1	5	30	135
	1	6	27	138
	x^2	x		RESTE

$$x^3 + x^2 - 3x + 3 = (x-5)(x^2 + 6x + 27) + 138$$

$$x^2 - 2 \quad | \quad x + 1$$

x - (-1)

$$1 \quad 0 \quad -2$$

$$-1$$

