

Mostree possi riconditi esercizio 5

$$5x^5 + 4x^4 + 3x^3 + 2x^2 + x + 1 = 0$$

$$\text{pol} = [5 \ 4 \ 3 \ 2 \ 1 \ 1]$$

$$[300 \ 96 \ 18]$$

* $\text{derivote}(\text{pol}, 3)$

$$\rightarrow \text{der} = [\text{derivote}(\text{derivote}(\text{derivote}(\text{pol}, 2), 1), 1)]$$

* $\text{derivote}(\text{pol}, 2)$

$$\rightarrow \text{der} = [\text{derivote}(\text{derivote}(\text{pol}, 1), 1)]$$

* $\text{derivote}(\text{pol}, 1)$

$$\rightarrow \text{esp} = [5 \ 4 \ 3 \ 2 \ 1]$$
$$\rightarrow \text{der} = [25 \ 16 \ 9 \ 4 \ 1]$$

* $\text{derivote}(25 \ 16 \ 9 \ 4 \ 1, 1)$

$$\rightarrow \text{esp} = [4 \ 3 \ 2 \ 1]$$
$$\rightarrow \text{der} = [100 \ 48 \ 18 \ 4]$$

* $\text{derivote}(100 \ 48 \ 18 \ 4, 1)$

$$\rightarrow \text{esp} = [3 \ 2 \ 1]$$
$$\rightarrow \text{der} = [300 \ 96 \ 18]$$