

$$\mathbb{R} \ni x \mapsto a \cdot x$$

$$\mapsto b \cdot x^2$$

$$\vdots$$

$a \in \mathbb{R}$  reálné

$\mathbb{K}$

$\mathbb{K}_n[x]$

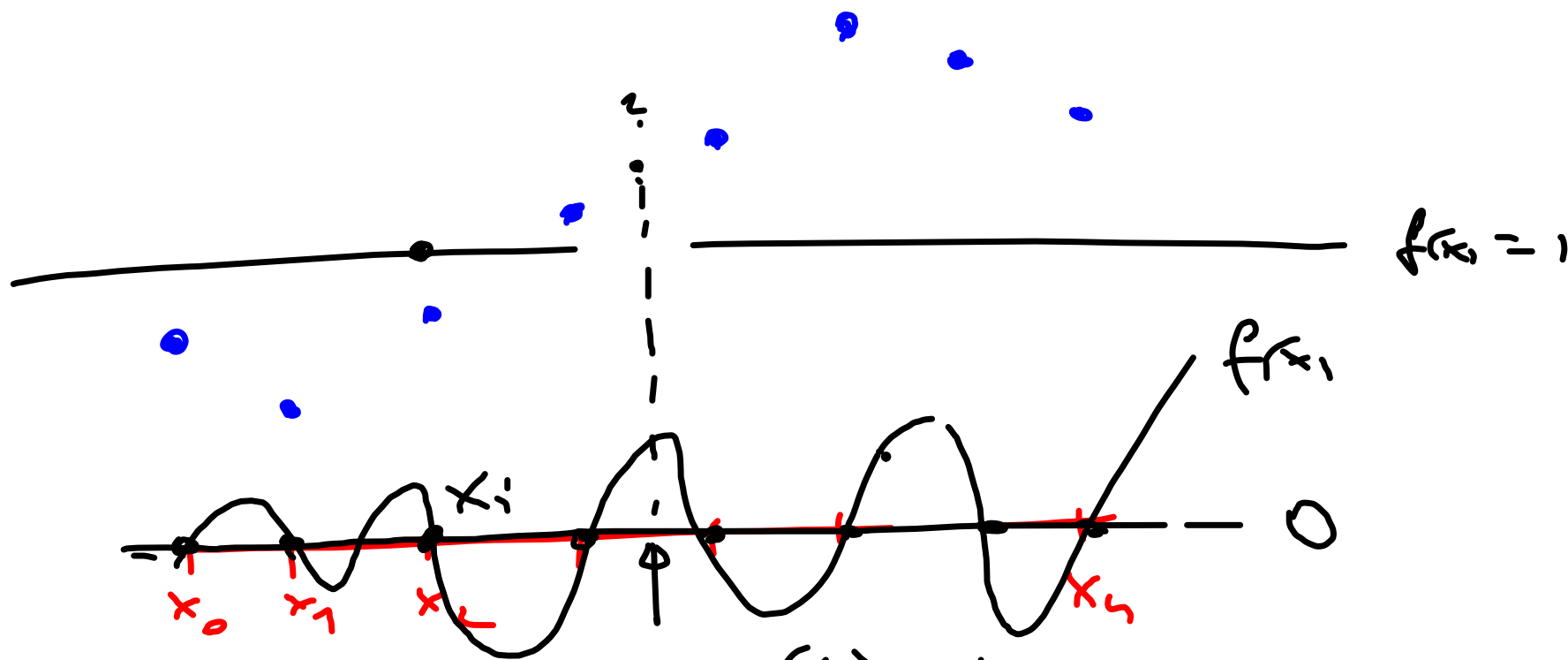
zate del

$$(f \cdot g)(x) =$$

$$f(x) \cdot g(x)$$

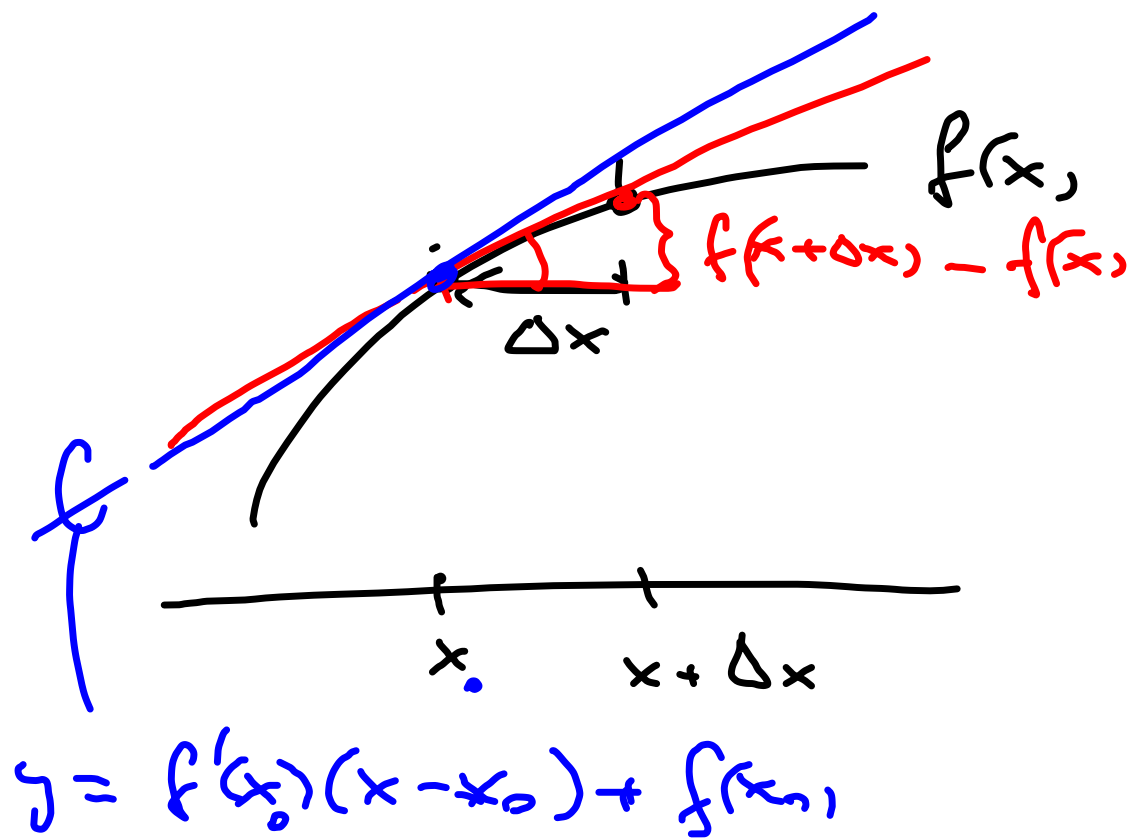
číslice  
v  $\mathbb{K}_n[x]$

násobíme  
v  $\mathbb{K}$

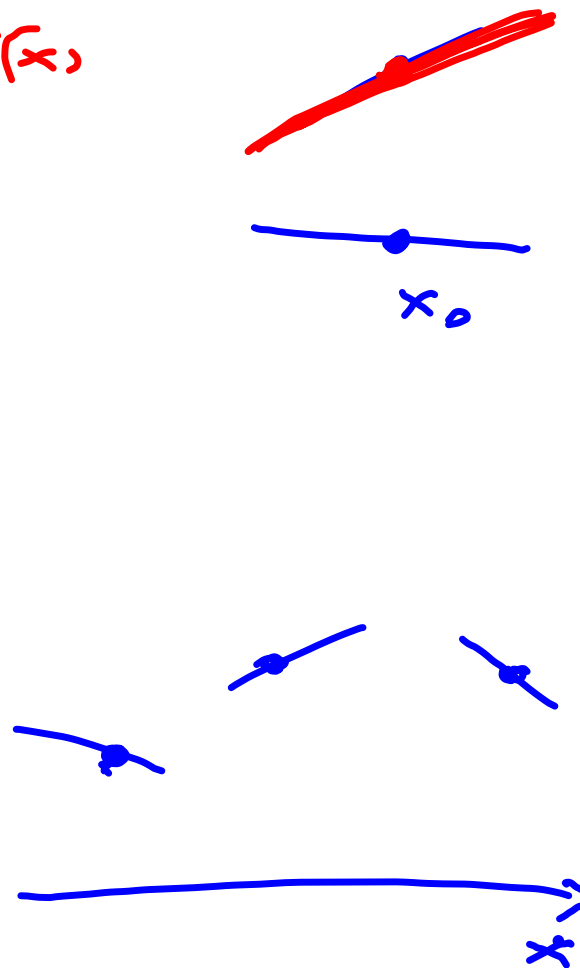


$$g = \sum_{i=0}^n c_i g_i$$

$$g_i(x_j) = \begin{cases} g_i(x_i) = 1 \\ g_i(x_j) = 0 \quad i \neq j \end{cases}$$



$$y = f'(x_0)(x - x_0) + f(x_0)$$



$$x_0 = 0$$

$$x_0 = 1$$

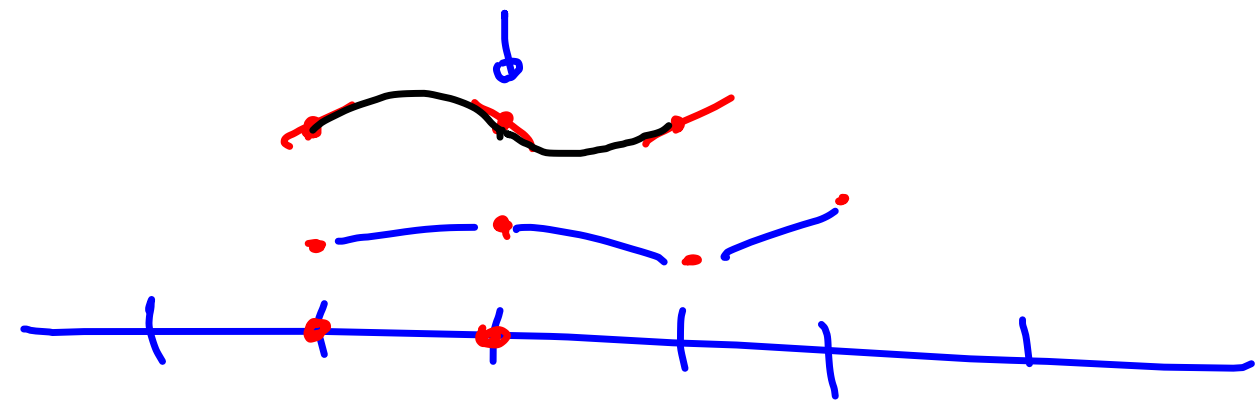
$$m+1=2 \quad n=1$$

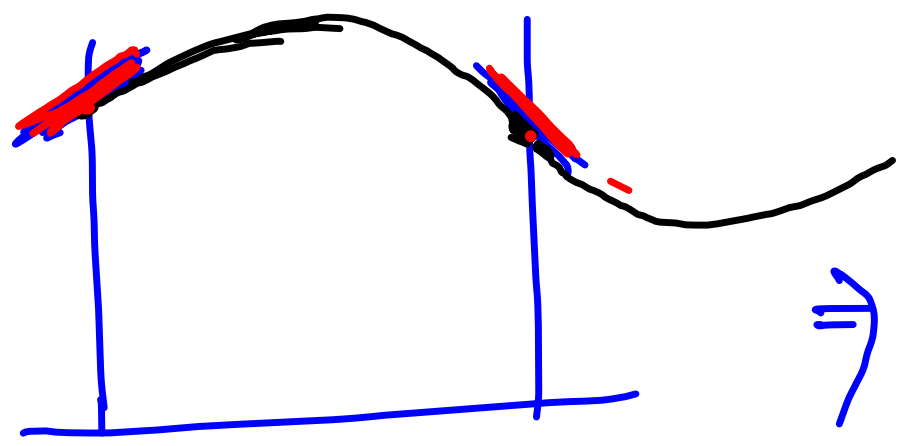
$\Rightarrow$   $\text{Type } 3$

$$a_3 x_0^3 + a_2 x_0^2 + a_1 x_0 + a_0 = y_0$$

$$3a_2 x_0 + 2a_2 x_0 + a_1 = y_0'$$

"derivative"



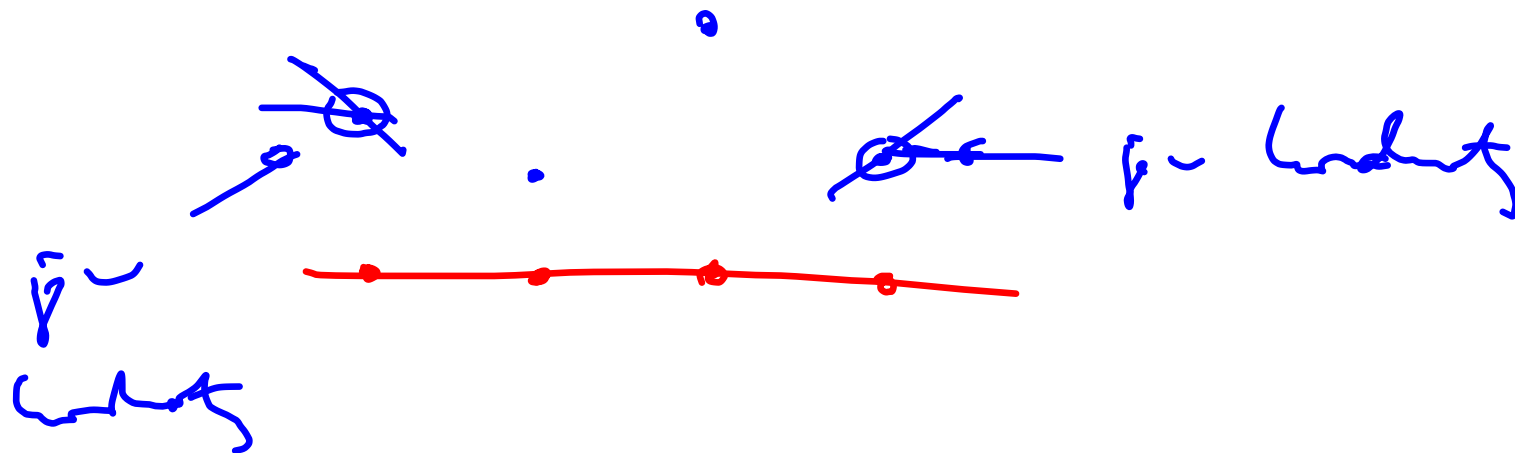


$2 \times \text{hodnoty}$   
 $2 \times \text{derivace}$

$\Rightarrow 2n$  hodnot  
 $2n$  derivací

nebo: pro vnitřní součty + vše se operují  
 $2$  hodnot  
 $\frac{1}{2}$  první a druhé derivace STEJNÉ  
 operace a derivace

$4n$  rovných  $4n-2$  rovnic



Hesitancy:

