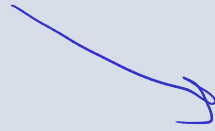


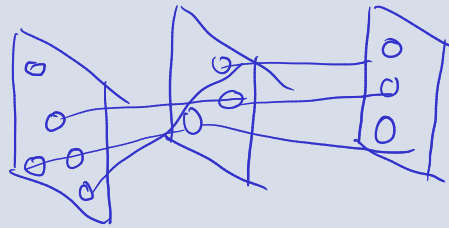
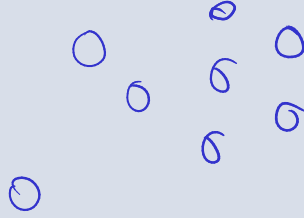
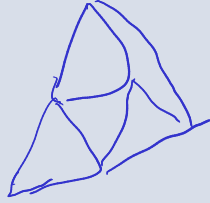
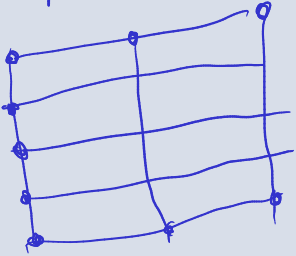
Сенны



резун.

түгел.

көпөңүмү.



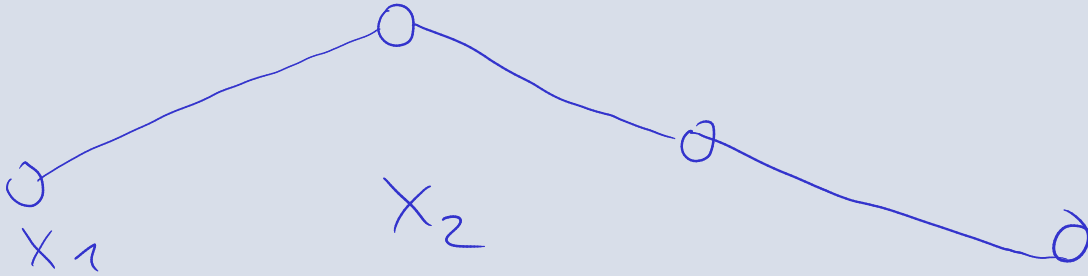
линейн.



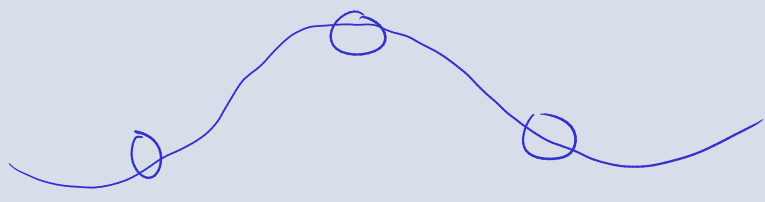
экстремум.



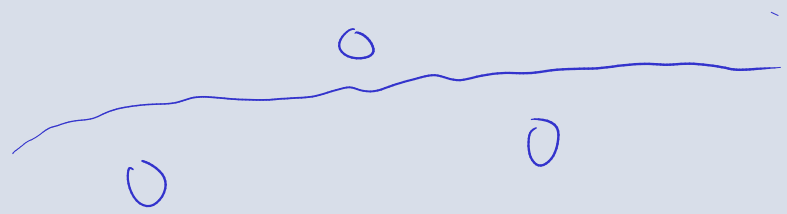
1) линейн. аз



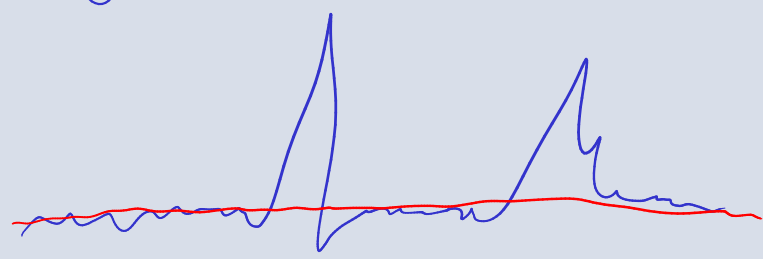
$$\begin{cases} f(x_1) = ax_1 + b \\ f(x_2) = ax_2 + b \end{cases}$$



WFSM.



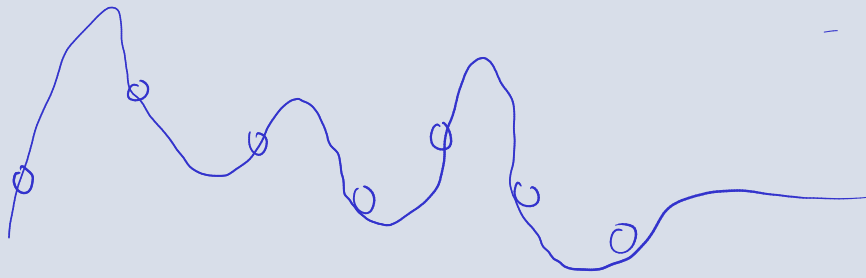
mean.



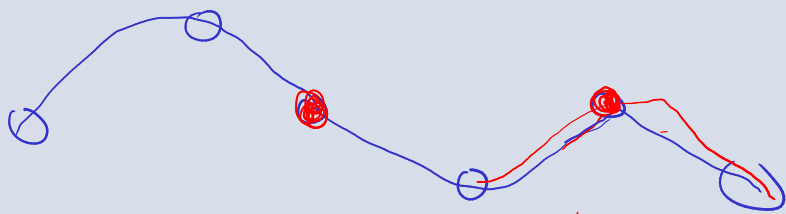
curve fitting

2) Компанса нонин.

$$f(x_i) = a + b x_i + c x_i^2$$



3) Граникы



$$f_1'(x) = f_2'(x)$$

$$p_i(t) = a_i + b_i t + c_i t^2 + d_i t^3$$

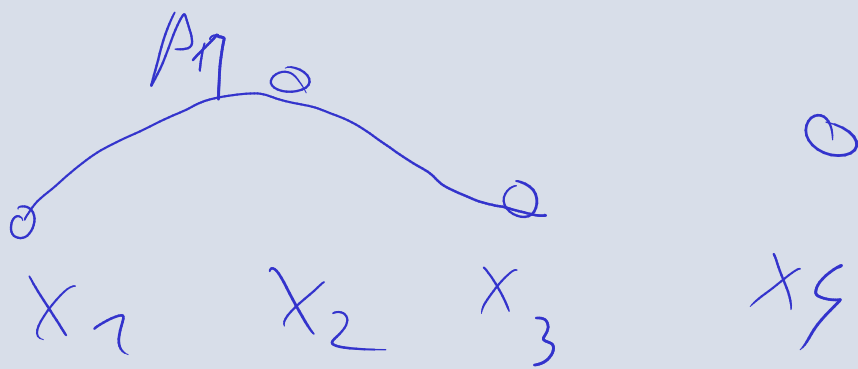
$$t \in [0, 1]$$

$$p_i(0) = a_i$$

$$p_i(1) = a_i + b_i + c_i + d_i$$

$$p_i'(t) = b_i + 2c_i t + 3d_i t^2$$

$$p_i'(1) = p_{i+1}'(0)$$



$$f'(x) = \lim_{\Delta x \rightarrow 0} \frac{f(x+\Delta x) - f(x)}{\Delta x}$$

$$f'(x_i) = \frac{f(x_{i+1}) - f(x_i)}{x_{i+1} - x_i} + O(\Delta x)$$

$$\frac{f(x_{i+1}) - f(x_{i-1}))}{2 \Delta x} + O(\Delta x^2)$$

