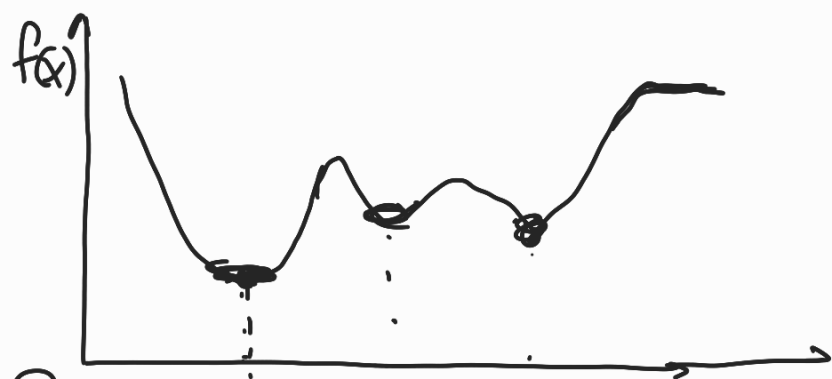
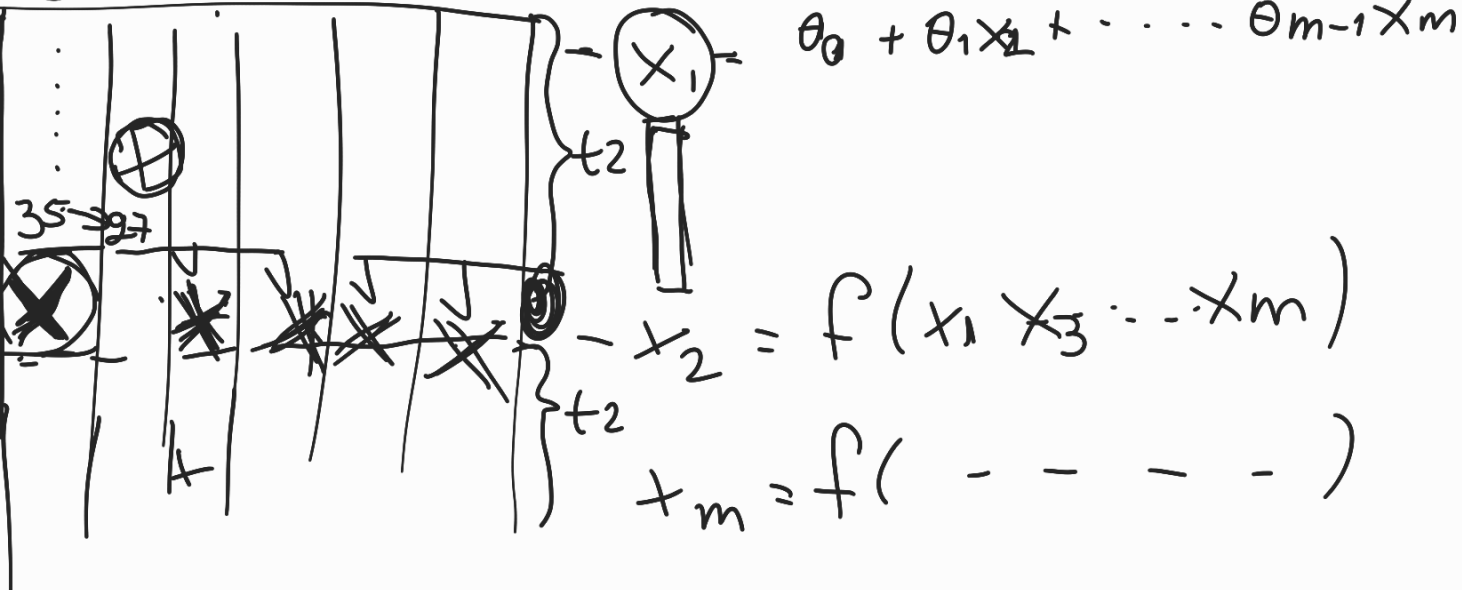


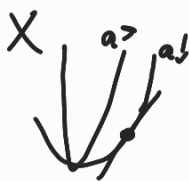
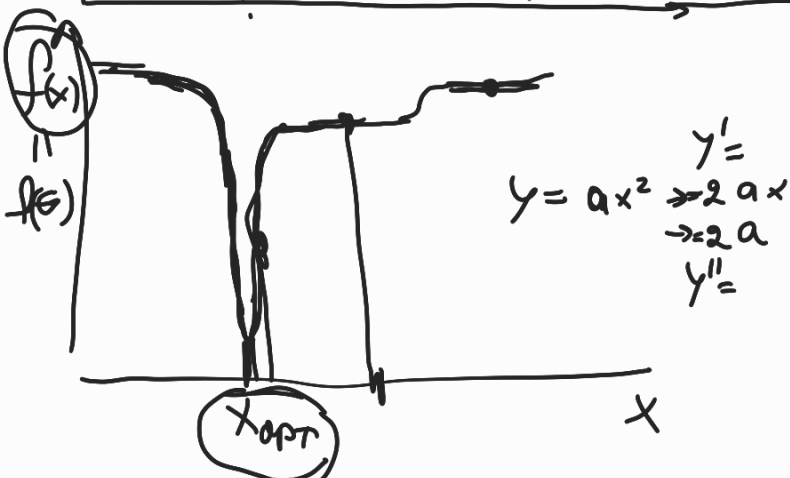
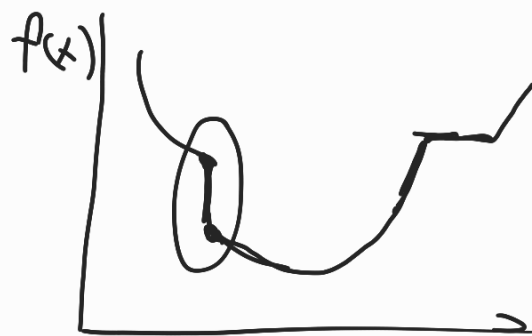
(4)

x_1, x_2

x_m



GA

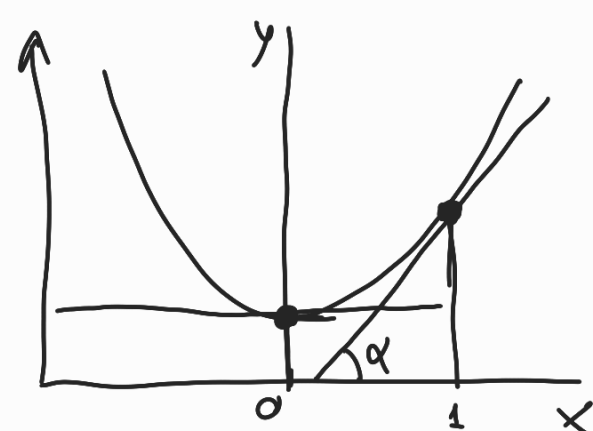
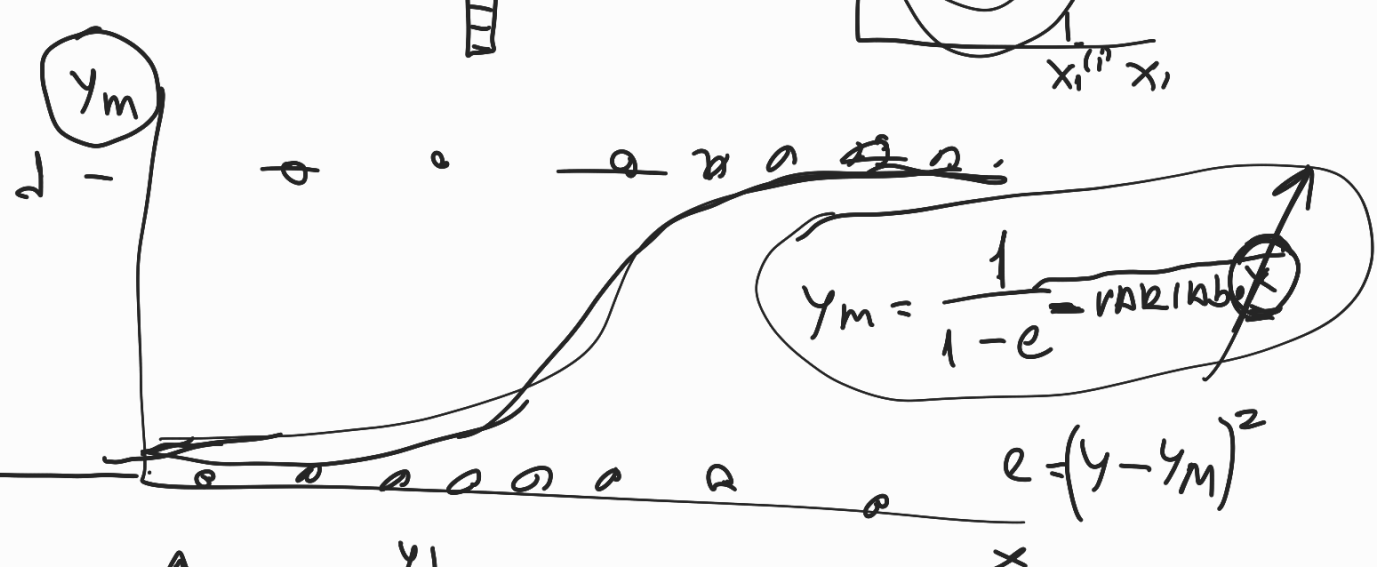
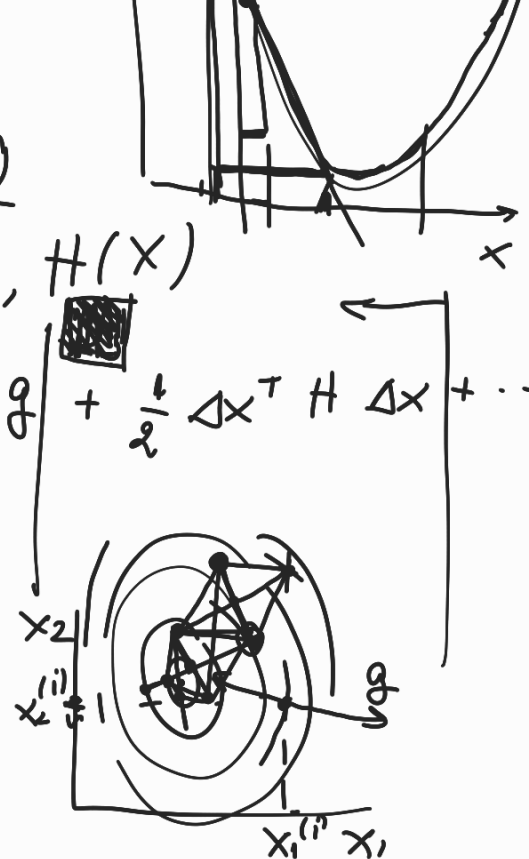


M. 3A 011.

- 1) мет. от $f(x)$ пер: $f(x)$
- 2) мет. от I пер: $f(x), g(x)$
- 3) мет. от II пер: $f(x), g(x), H(x)$

$$F(\underline{x}^{(i)} + \Delta x) = F(\underline{x}^{(i)}) + \underline{\Delta x}^T \underline{g} + \frac{1}{2} \Delta x^T H \Delta x + \dots$$

$$\Delta x = -S \cdot \underline{g}^{(i)}$$



$$y = ax^2$$

$$y'_{x=0} = \frac{2ax}{0} = 0$$

$$y'_{x=1} = 2a = \tan \alpha$$