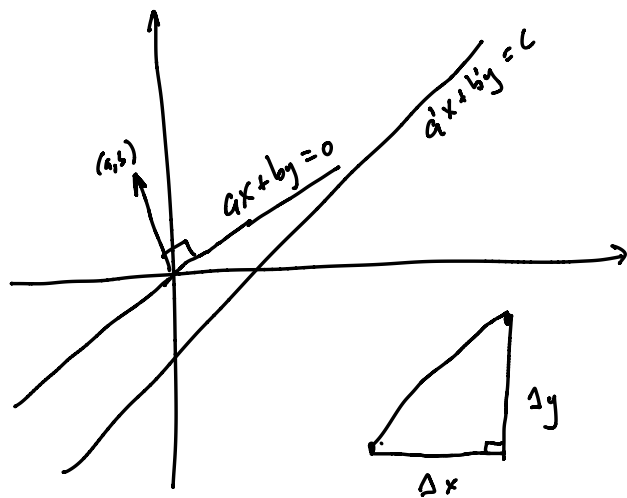
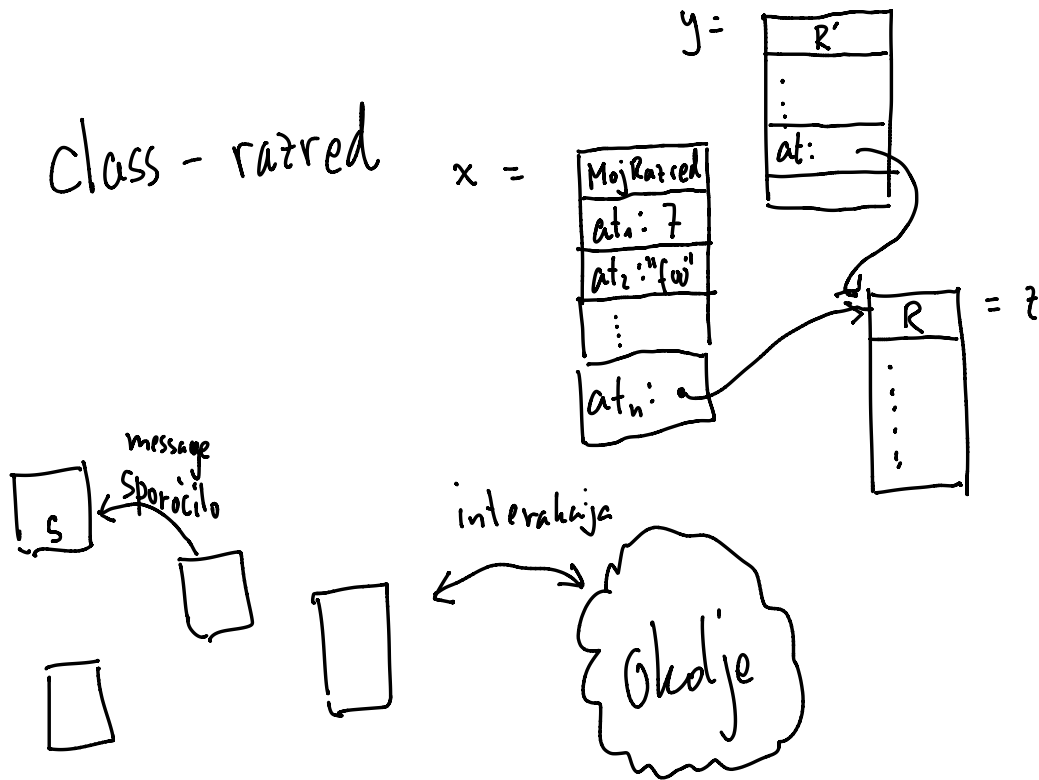


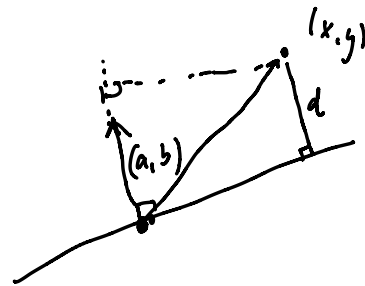
Objektno programiranje

class - razred



$$ax+by=0$$

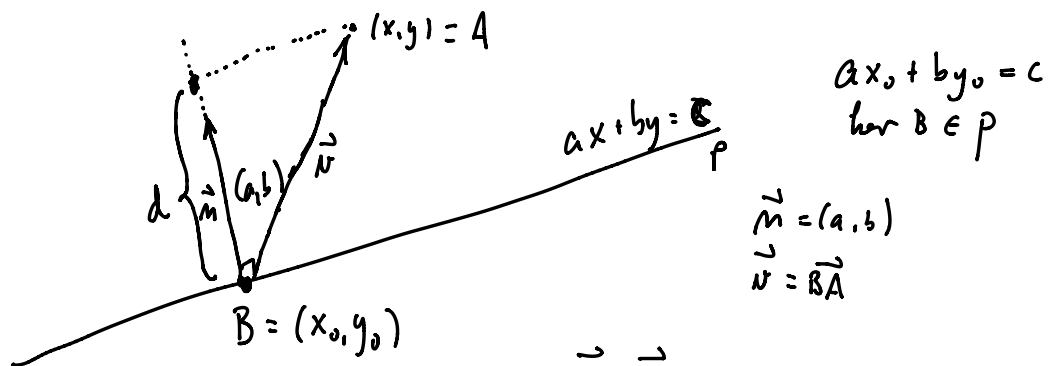
$$(a,b) \cdot (x,y) = 0$$



$$ax+by=c$$

$$x=0 \quad y=\frac{c}{b}$$

$$b=0 \quad y=0, x=\frac{c}{a}$$



$$ax_0 + by_0 = c$$

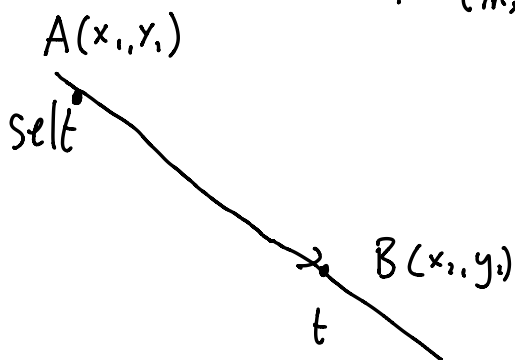
for $B \in p$

$$\vec{n} = (a, b)$$

$$\vec{r} = \vec{BA}$$

$$\frac{|\vec{n} \cdot \vec{r}|}{\|\vec{n}\|} = \frac{|\vec{n} \cdot \vec{BA}|}{\|\vec{n}\|} = \frac{|a(x - x_0) + b(y - y_0)|}{\sqrt{a^2 + b^2}} = \frac{|ax + by - (ax_0 + by_0)|}{\sqrt{a^2 + b^2}} = \frac{|ax + by - c|}{\sqrt{a^2 + b^2}}$$

$$\vec{n} = (n_x, n_y) \perp (-n_y, n_x)$$



$$ax + by = c$$

$$ax_1 + by_1 = c$$

$$b = t \cdot x - \text{self} \cdot x$$

$$a = + \text{self} \cdot y - t \cdot y$$