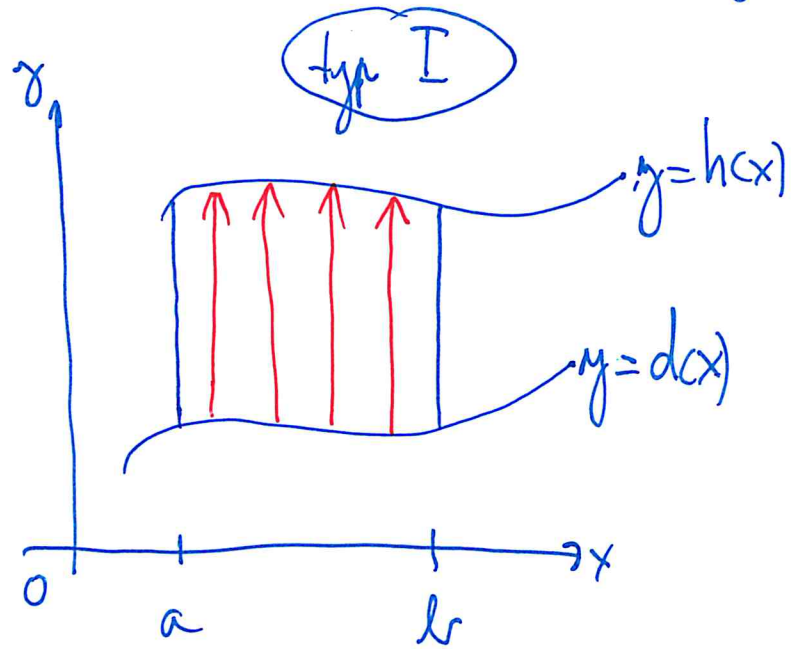


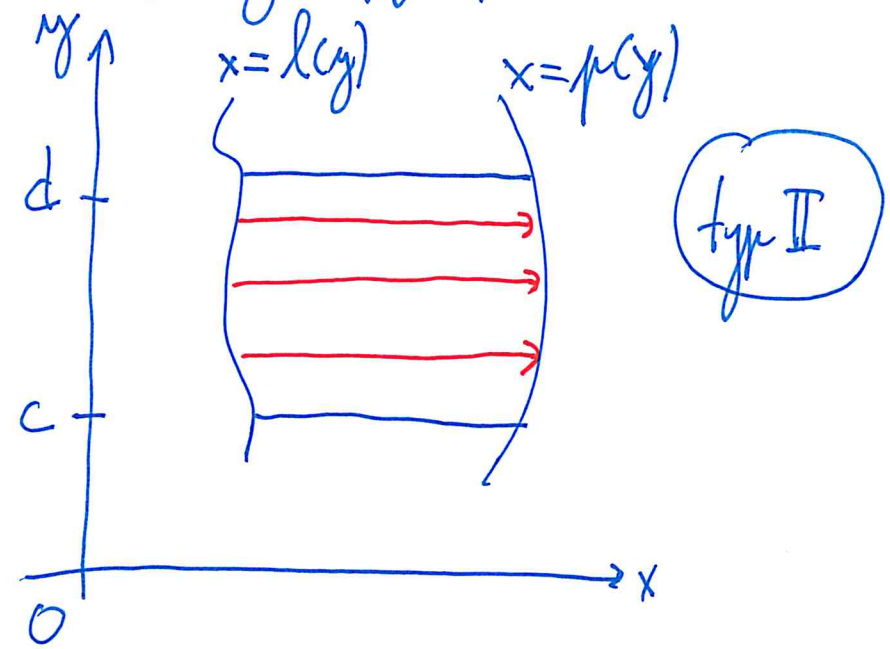
obrazce typu I a typu II:

1

obrazce v rovině xy ohraničené grafy spoj. funčí



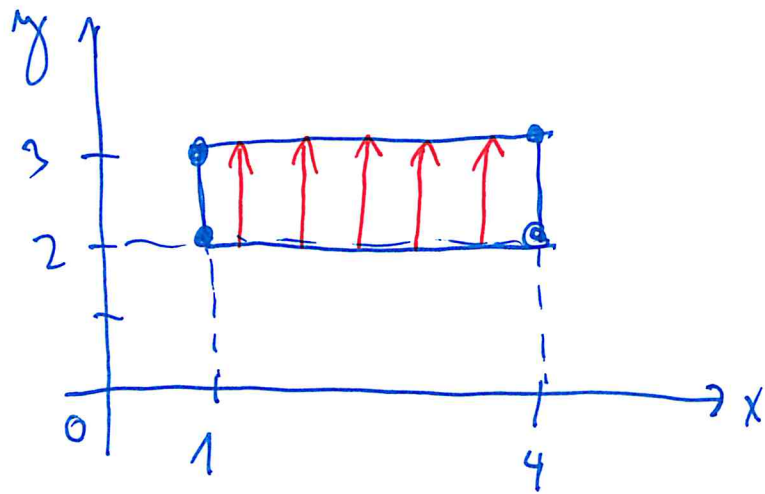
$$a \leq x \leq b$$
$$d(x) \leq y \leq h(x)$$



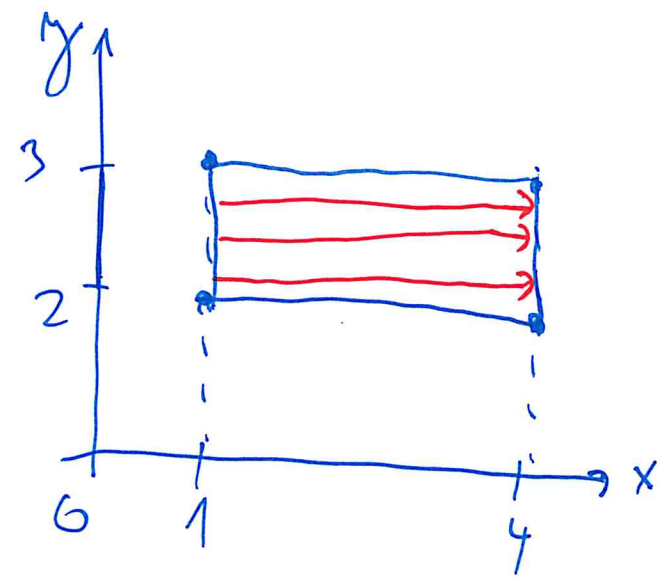
$$c \leq y \leq d$$
$$l(y) \leq x \leq p(y)$$

obdĺnik :

(2)

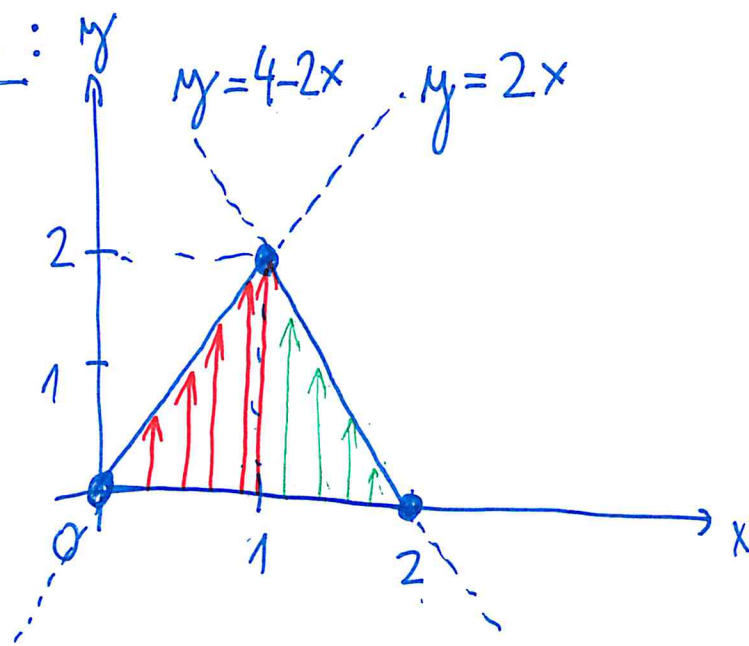


$$\begin{aligned} 1 &\leq x \leq 4 \\ 2 &\leq y \leq 3 \end{aligned} \quad \textcircled{\text{I}}$$



$$\begin{aligned} 2 &\leq y \leq 3 \\ 1 &\leq x \leq 4 \end{aligned} \quad \textcircled{\text{II}}$$

Trojshelmit : xy



$$0 \leq x \leq 1$$

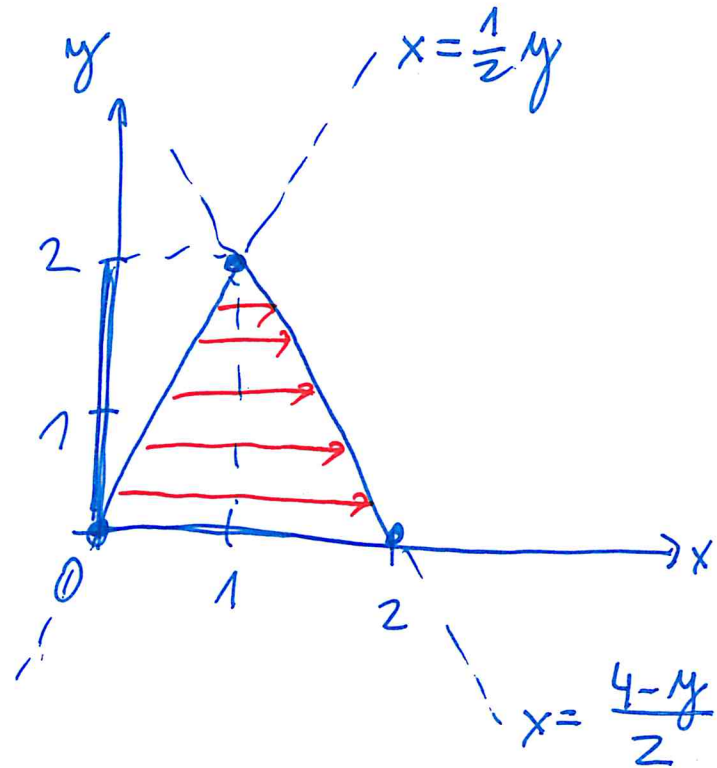
$$0 \leq y \leq 2x$$

a

$$1 \leq x \leq 2$$

$$0 \leq y \leq 4-2x$$

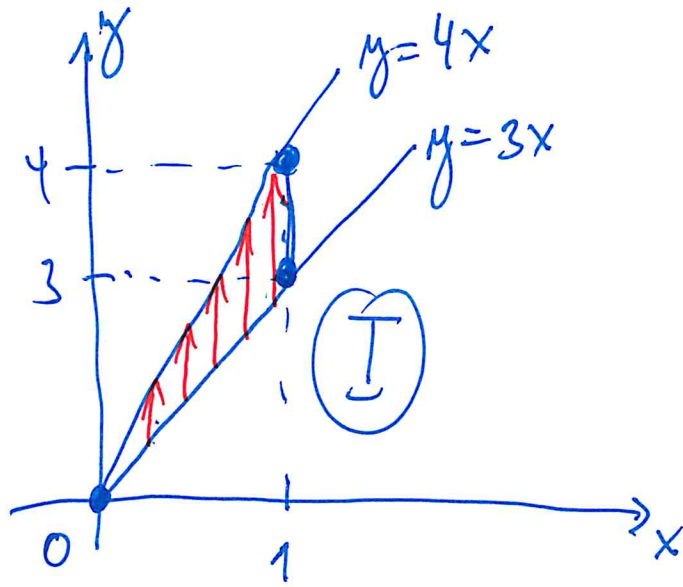
[5]



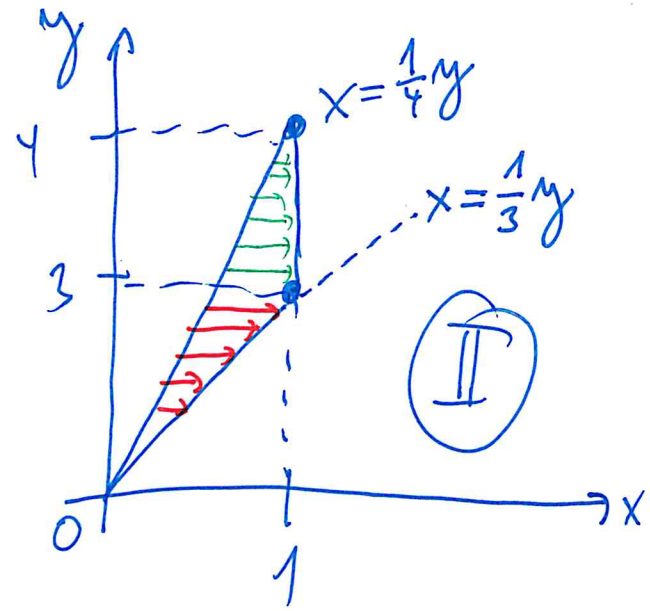
$$0 \leq y \leq 2$$

$$\frac{1}{2}y \leq x \leq \frac{4-y}{2}$$

Trojkielnik :



$$0 \leq x \leq 1$$
$$3x \leq y \leq 4x$$

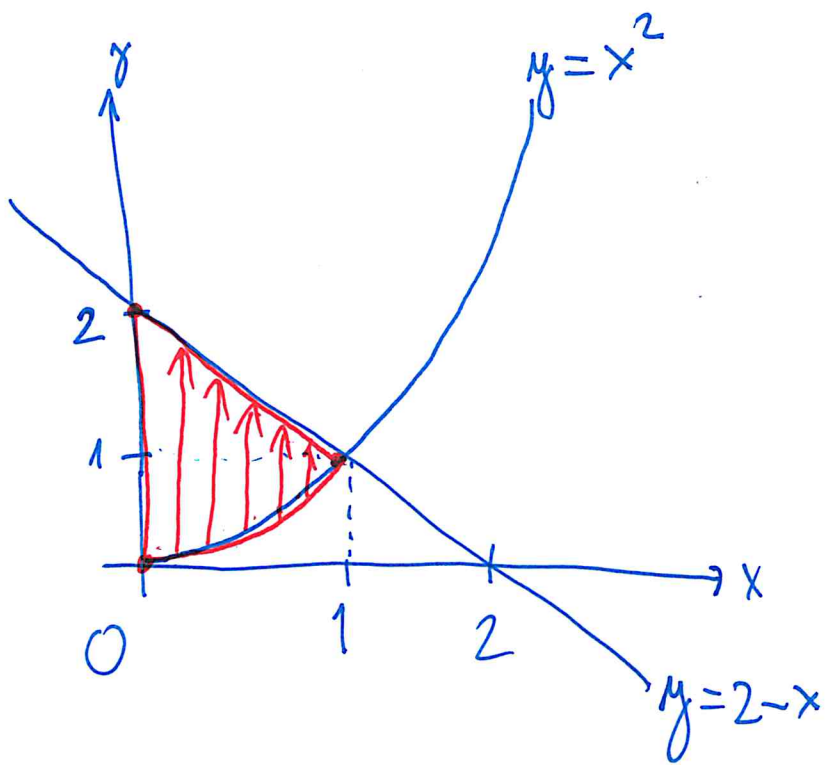


$$0 \leq y \leq 3$$
$$\frac{1}{4}y \leq x \leq \frac{1}{3}y$$

a

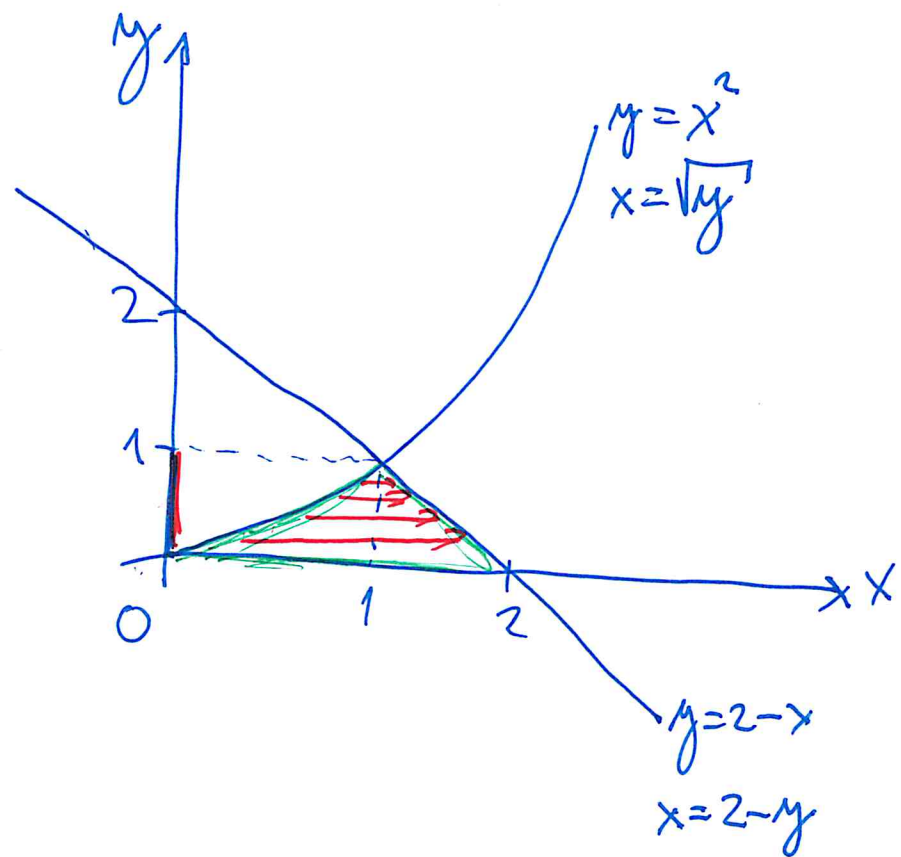
$$3 \leq y \leq 4$$
$$\frac{1}{4}y \leq x \leq 1$$

[4]



$$0 \leq x \leq 1$$

$$x^2 \leq y \leq 2 - x$$

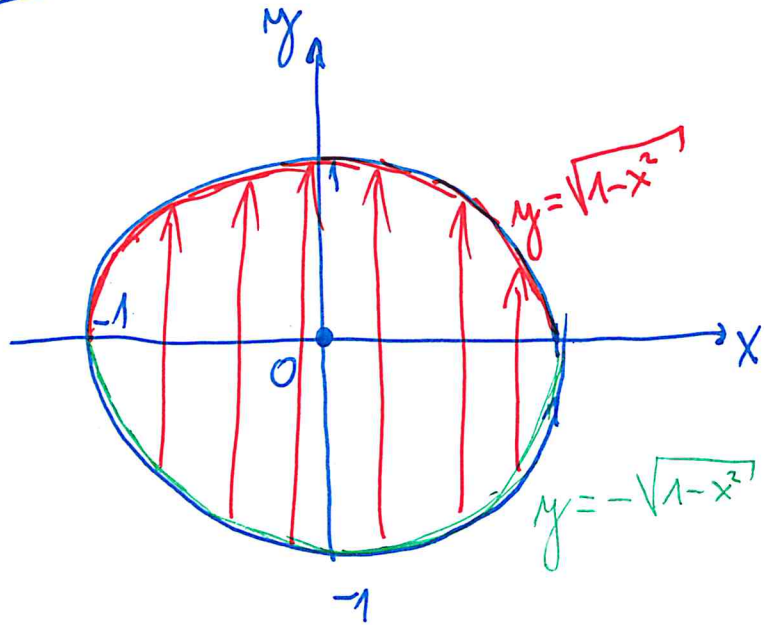


$$0 \leq y \leq 1$$

$$\sqrt{y} \leq x \leq 2 - y$$

[5]

KRUH



$$-1 \leq x \leq 1$$

$$-\sqrt{1-x^2} \leq y \leq \sqrt{1-x^2}$$

$$x^2 + y^2 = 1$$

$$y^2 = 1 - x^2$$

$$y_1 = \sqrt{1-x^2}$$

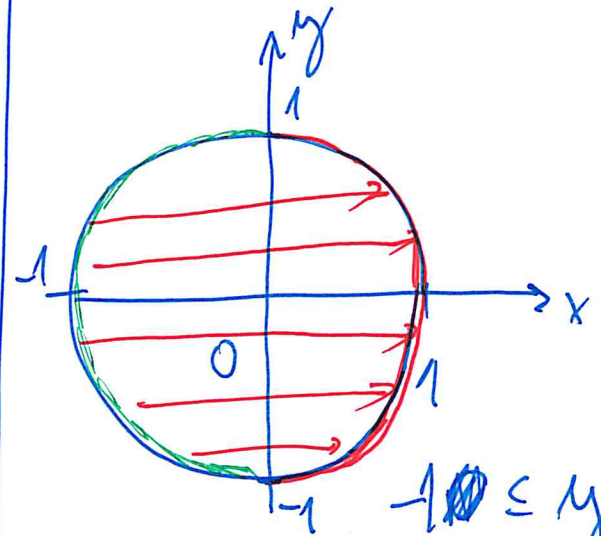
$$y_2 = -\sqrt{1-x^2}$$

$$x^2 + y^2 = 1$$

$$x^2 = 1 - y^2$$

$$x_1 = \sqrt{1-y^2}$$

$$x_2 = -\sqrt{1-y^2}$$



$$-1 \leq y \leq 1$$

$$-\sqrt{1-y^2} \leq x \leq \sqrt{1-y^2}$$

[6]