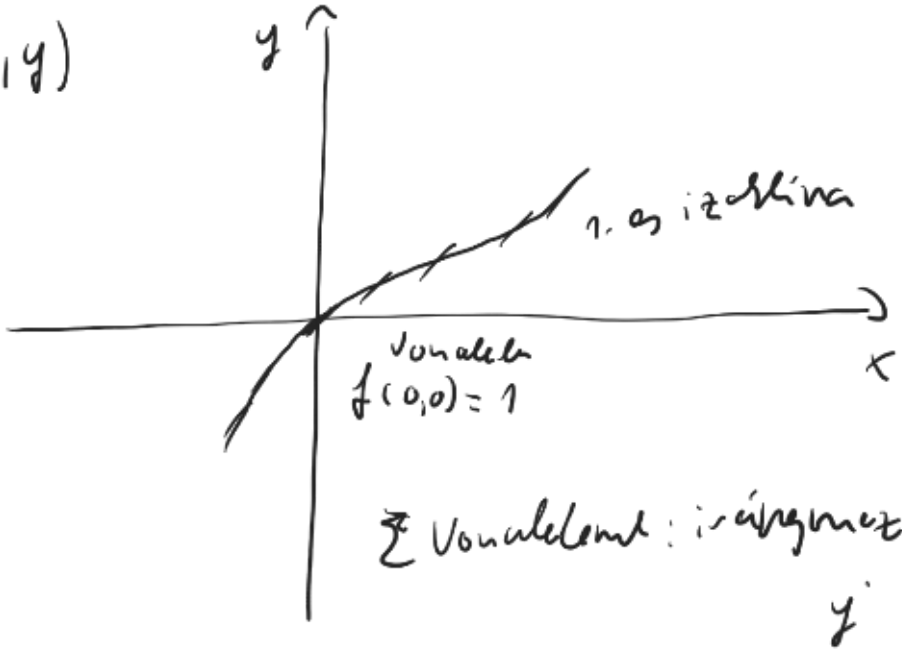
3. gyakorlat

$y' = f(x,y)$



$\sum$ Vonalelem: iránymező

$k \in \mathbb{R}$: k izoklína $= \{(x,y) \in \mathbb{R}^2 : \overbrace{f(x,y)}^{y'} = k\}$

$y' = e^{y-3} + x$

k izoklína: $e^{y-3} + x = k$

$y = \ln(k-x) + 3$

$y' = (y^2 - 1)x - x + 2$

2 izoklína $(y^2-1)x - x + k = 2$

$y = \pm\sqrt{2}$