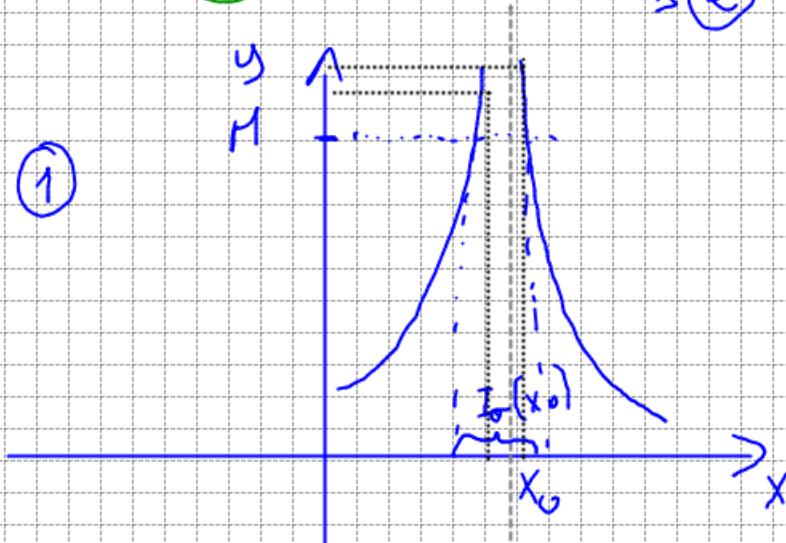


# LIMITE INFINITO-FINITO

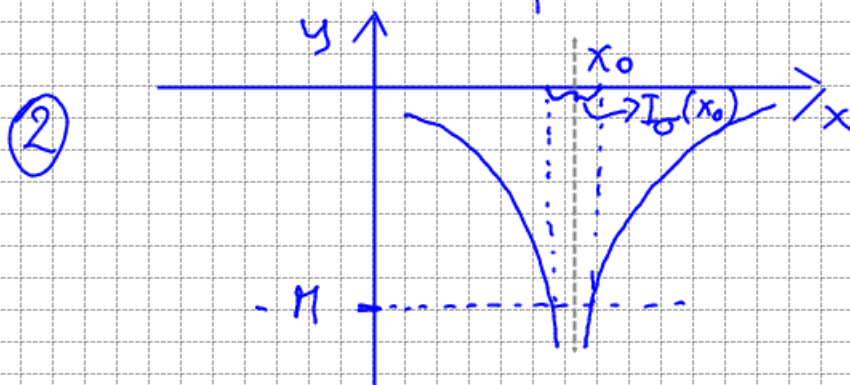
$$\lim_{x \rightarrow x_0} f(x) = \infty$$

①  $\lim_{x \rightarrow x_0} f(x) = +\infty$

②  $\lim_{x \rightarrow x_0} f(x) = -\infty$



$\forall M > 0$  "grande"  $\exists I_\pi(+\infty)$  e correspondentemente  $\exists I_\sigma(x_0) / \forall x \in I_\sigma(x_0)$  si ha de  $f(x) \in I_\pi(+\infty)$  cioè:

$$f(x) > M$$


$\forall -M < 0$  "grande"  $\exists I_\pi(-\infty)$  e correspondentemente  $\exists I_\sigma(x_0) / \forall x \in I_\sigma(x_0)$  si ha de  $f(x) \in I_\pi(-\infty)$  cioè:

$$f(x) < -M$$