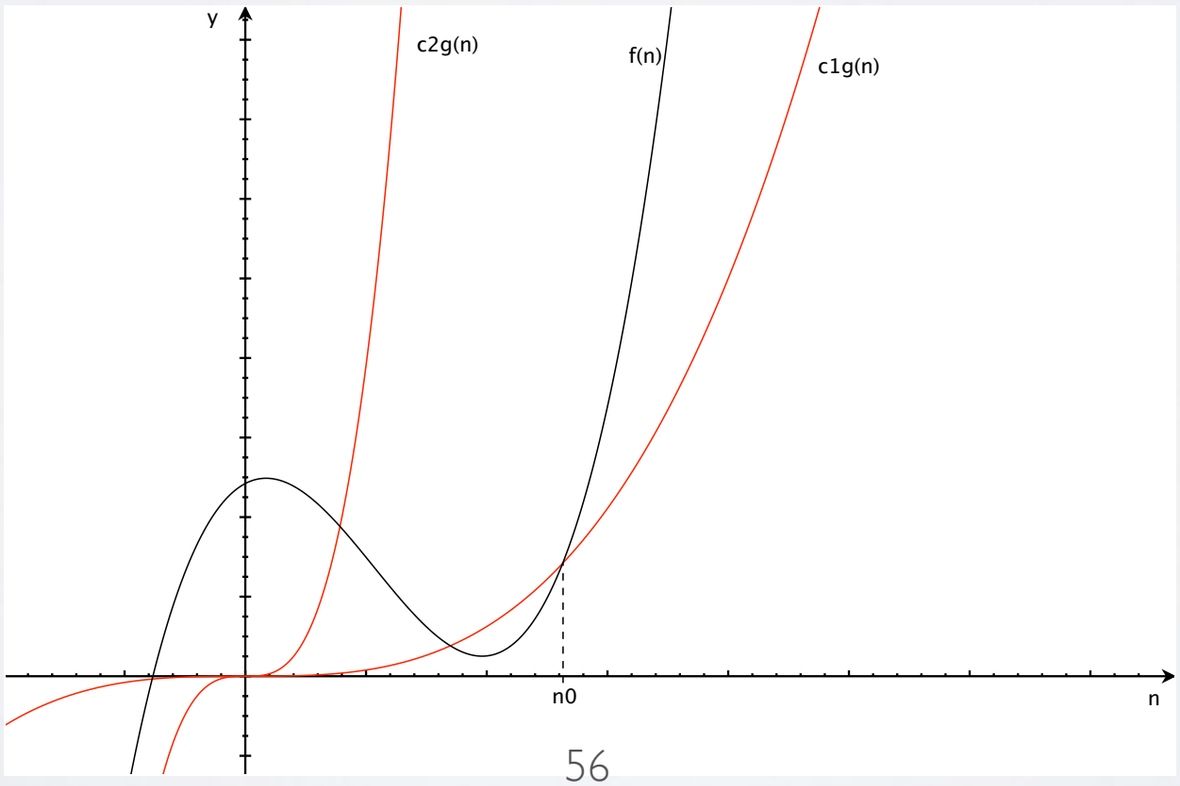
NOTION D'ENCADREMENT

$$\Theta(g(n)) = \left\{ f(n) : \exists (c_1, c_2, n_0) \in \mathbb{R}^{+3} \,|\, \forall n \geq n_0 \,,\, 0 \leq c_1 g(n) \leq f(n) \leq c_2 g(n) \right\}$$

$$f(n) \in \Theta(g(n))$$

$$f(n) = \Theta(g(n)) \quad \text{(emploi abusif)}$$



NOTION DE BORNE SUPÉRIEURE ASYMPTOTIQUE

$$O(g(n)) = \left\{ f(n) : \exists (c, n_0) \in \mathbb{R}^{+2} | \forall n \geq n_0 \, , \, 0 \leq f(n) \leq cg(n) \right\}$$

$$\Theta(g(n)) \subseteq O(g(n))$$