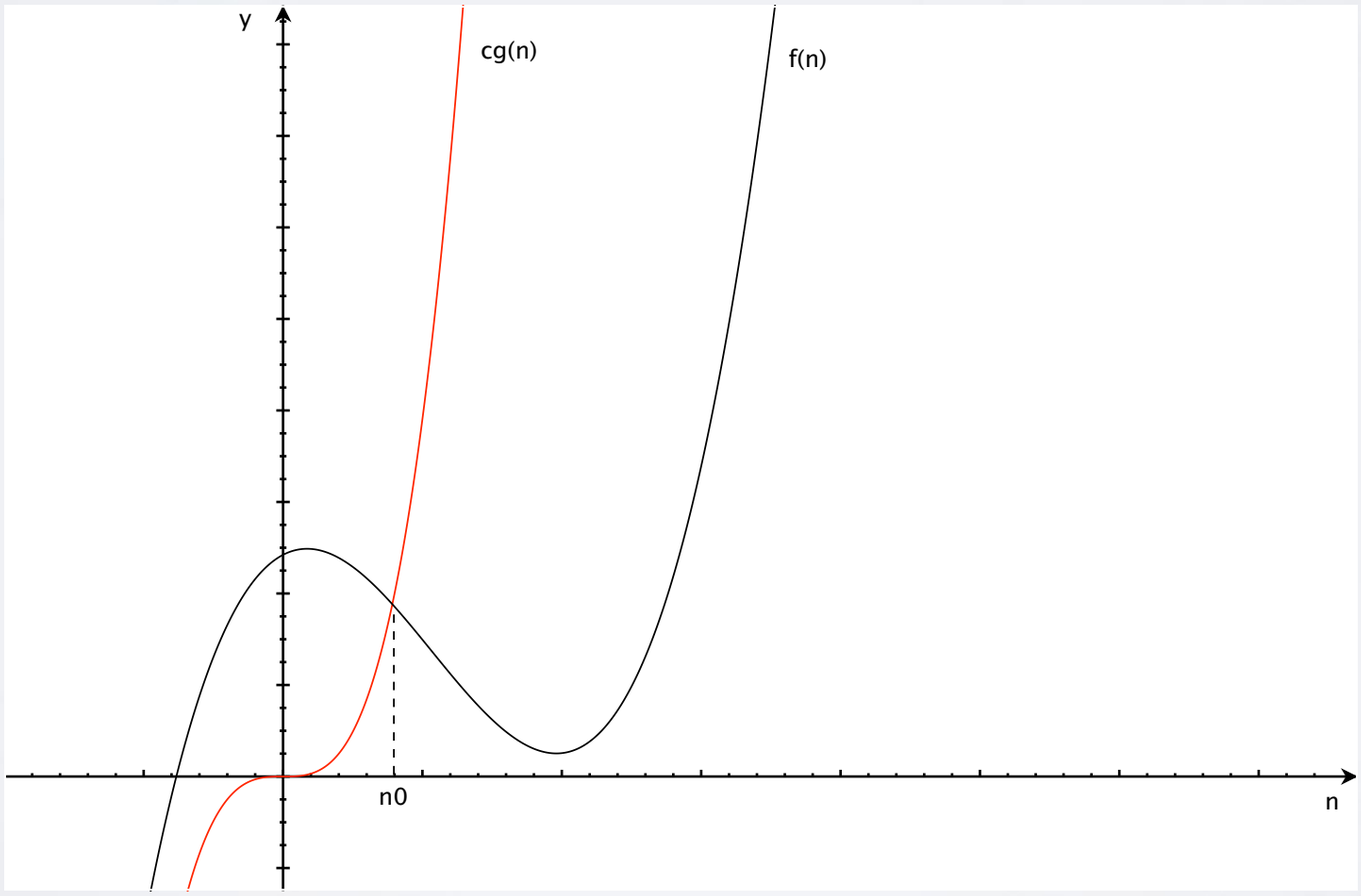
NOTION DE BORNE SUPÉRIEURE ASYMPTOTIQUE

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

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



NOTION DE BORNE INFÉRIEURE ASYMPTOTIQUE

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