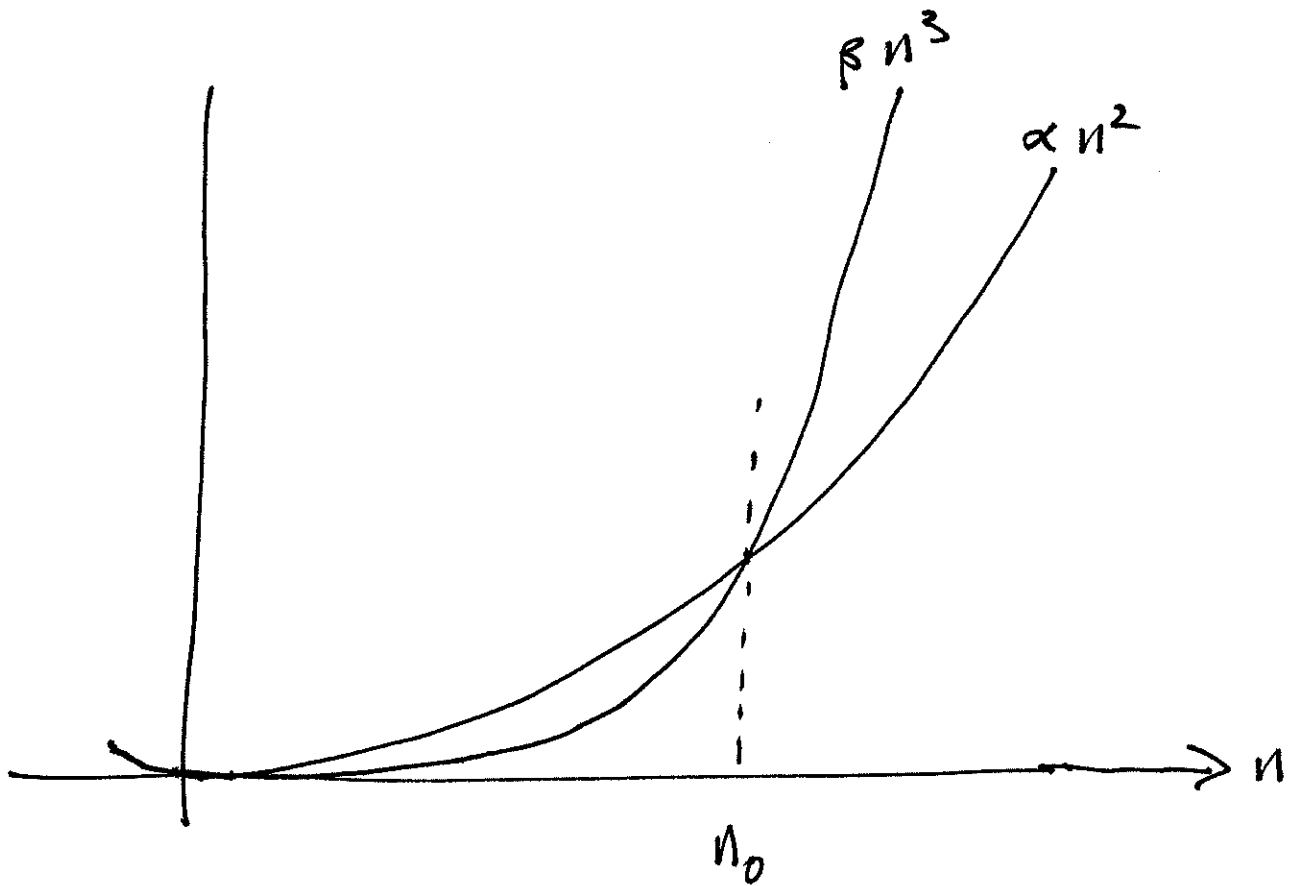


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1

Handout: Algorithm Runtime



Defn

We write $f(n) = O(g(n))$, and say " $g(n)$ is an asymptotic upper bound for $f(n)$ " iff

There exist $B > 0$, $n_0 > 0$ s.t. for all $n \geq n_0$:

$$\frac{f(n)}{g(n)} \leq B$$

