Asymptotic notation

O-notation (upper bounds):

> We write $f(n) = O(g(n))$ if there exist constants $c > 0$, $n_0 > 0$ such that $0 \leq f(n) \leq cg(n)$ for all $n \geq n_0$.

EXAMPLE: $2n^2 = O(n^3)$ ($c = 1$, $n_0 = 2$)