



O -notation and ω -notation

O -notation and Ω -notation are like \leq and \geq .
 o -notation and ω -notation are like $<$ and $>$.

$\omega(g(n)) = \{ f(n) : \text{for any constant } c > 0, \text{ there is a constant } n_0 > 0 \text{ such that } 0 \leq cg(n) < f(n) \text{ for all } n \geq n_0 \}$

EXAMPLE: $\sqrt{n} = \omega(\lg n) \quad (n_0 = 1 + 1/c)$