$$f, g: N \rightarrow IR$$

$$\lim_{n \to \infty} \frac{f(n)}{g(n)} \leq c \triangleq f = O(g).$$

$$1 = c - \delta_{0,0} = c - \delta_{0,$$

$$h = 1$$
,  $f(n) = 100$ ,  $g(n) = 1$ .  
 $h = 1000$ ,  $h = 100$ ,  $h = 100$