

Common	recurrence relations:	
	Asinhematin nednestion:	Genetin Reduction:
novent	Tin = Tin+) + Dig(w)	$T(n) = T(\frac{1}{2}) + O(g(n))$
0(1)	T(n) = T(n-1) + O(1) $T(n) = O(n)$	$T(n) = T(\frac{n}{2}) + O(1)$ $T(n) = O(\log n)$
(log n)	$T(n) = T(n-1) + O(\log n)$ $T(n) = O(n\log n)$	
D(n)	$T(n) = T(m) + D(n)$ $T(n) = O(n^2)$	$T(n) = T(\frac{n}{2}) + O(n)$ $T(n) = O(n)$
O Cn k)	$T(n) = T(n-1) + O(n^{k})$ $T(n) = O(n^{k+1})$	
	$T(n) = 2T(n-1) + D(1)$ $T(n) = O(2^n)$	$T(n) = 2T(\frac{1}{2}) + O(1)$ $T(n) = O(n)$