

Escaneado con CamScanner

2.	
Iteration :	$T(\mathbf{A}) = 2T(0/2) + 0$
Itemus 2: Surtituyando	$T(\sqrt{2}) = 2T(\sqrt{4}) + \sqrt{2}$
T(1/2):	2 + T(n) = 2(2T(n/4) + n/2) + n = 4T(n/4) + 2n
Iteration 3 : Sustituyerdo	$T(\eta/4) = 2T(\eta/8) + \eta/4$
7(0/4):	$\frac{2+7(n)=4(27(n/3)+n/4)+2n=57(n/3)+n+2n+2n=87(n/3)+4n}{2+7(n/3)+4n}$
	$= 2^{\kappa} T(n/2^{\kappa}) + Kn$
Valor ole K	$1 - 1/2^k = 1 \rightarrow k = dos_2 n$
T(0) =	2 dog_2 n T(1) + n dos_2n
(m) = /	$I \rightarrow T(n) = n + n \log_2 n$ $I \rightarrow I(n) = n + n \log_2 n$
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