( )	7	n)					1				1				
Cont	1	1	asignaci	bn			-	1							
forj	7	1	asignac	idn					log	n					
While 5 > 1 do	1		usigria	1011					110	) "	>1	nlo	gn	+	1
5 - 5/2	3	1	asignac	ión	10	g (v	1)						0		
end while			3			(#)									141
and for															
return 5											/				
T(n) = 0 (n log n)	10	(1)			2	n	10	K	4	1					
1(n) - U(n log n)		(')					2	n	4	2k					
T(n) = O(nlogn)						ı	09	K n (2n	)<	K					
					200							1 -	4 .1		(0
						loc	2	2) -	10	92	n	1=	1+1	2	(1)
													00	lac	

2. 
$$t(n) = 2t(n/2) + n$$
;  $t(1) = 1$ 

$$t(n) = n + 2t(n/2)$$

$$t(n) = n + 2\left(\frac{n}{2} + 2t(\frac{n}{4})\right)$$

$$t(n) = n + n + 4\left(\frac{n}{4} + 2t(\frac{n}{8})\right)$$

$$t(n) = n + n + n + 8t(\frac{n}{8})$$

$$t(n) = kn + 2^{k}t(\frac{n}{8})$$

$$t(n) = kn + 2^{k}t(\frac{n}{8})$$

$$t(n) = n \log_{2} n + 2^{\log_{2} n}t(1)$$

$$t(n) = 0(n \log_{2} n) + 0(n) = 0(n \log_{2} n)$$