

		4	
7.	T(n)=2T(n/2)+n/logn	9. T(n) = 0.5T(n/2)+1/n	
	as	as all so we cannot	
	n/lagn is not a polynomial		
	function so master theorem		1
	can not be apply on it	10. T(n) = 16T(n/4) +n!	
	It can be written as		1
		c=logba=log416=2	1
	T(n) = 2T (n/2) + n (logn)-1		-
		n = 12	_
	a = 2 b = 2	As n1 > n2	-
	n° = 11 = n	[Tc = 0 (n!)	-
	using		-
	T(n) = aT (n/b) + o(n 109 m)	11. 4T (n/2) + logn	
	V	a=4,b=2 f(n)=logn	1
	d=1 p=-1	$c = \log_{b} a = \log_{2} 4 = 2$	-
a=	bd if p2-1 TC = 0(n1096a)	nc=n2	7 -
	p=-1 Te=0(n'0gna/0g		11
	p>-1 = 0 (n'ayna/09 +1)	!: logn <n2< th=""><th>-</th></n2<>	-
	2-	f(n) < nc T(n) = o(n2)	_
	50 TC (1) 2 1 109 1 1 1		1
	$TC(n) = O(n^{\log_p a} \log(\log(n))$	12. T(u) - 60 16 1 - 71	
	TC = o(nlog(cogn))	12. T(n) = sqrt(n) + T(n/2) + logn	110
0	0.51	a=12, b=2	113
0:	$T(n) = 2T(n/4) + n^{0.51}$	$c = log_b a = log_b sn = \int_2 log_b n$	
	C = log a = log 2 = 0.5	f(r) and	
	ne = no.s	T(n) = 0 (f(n))	
	no.5 < ho.51	[T(n)= 0 (log (n))]	
	f(n) >nc		
	- T(n) = O(n0.51)		
_			