	Name = Shambhavi Vats D	ate
	P	age No.
	Tutorial - 4	
OITO	n) 3TGn (2) +n2	3 2 N
011		- 2 ma
	Tn= 97 (116) + f(n)	2-300
	a=3, b=2 Ca	>1=1 and 6>1)
	(00)01 =	Condinan substiad
	$c = \log_{1} \alpha = \log_{2} 3 = 1$	-58
	The Coladition	+ (a)[1 · y
	$n^{c} = n^{2} + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + $	- C
	case 3 sanspied & ten) > N
(100	T(n) = 10 (n2)	233
	1	3
ঠ∙	T(n) = 4T(n/2)+n2	0 2 _a
3	Tn) = aT(n/b) + (n)	1 (k))
11	-a=4, b=2 (a)=1, b>1 (sansped)	
	c = log a = log 1 = 2	m 2 - 2
	C - 108 6	02
	n° = n2 a (pro) To	= CAT a
	case 2 sanexied 1	E CART L
	$T(n) = O(n^2 \log n)$	21=0
	(120)	14-3
3.	$T(n) = T(n/2) + 2^n$	1 = 7
	CnJ++Cd(n)Tp = CnT	
-	17	129 1 571
	Par of toplades	1 11

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