

	Date Page Extro fine poper
037	The recursion relation was
1	The Accursion Aplation suggestivat that  Tent: 3k F(n-K) until n-K=1
	$\frac{1}{1}$
	T(n) = 34-11
	7 (m) = 3(h-1) = 0(3m)
	so, time complexity is o(3")
84)	$T(r) = 2^{n} - (2^{n} + 2^{1} + 2^{n}(n-1))$
	$T(r) = 2^{r} - (2^{r} - 1)$
	T(h) = 1
	So time complexity is constant, we can express is as O(1).
857	The time complexity is o (JE) as the loop trying approxe to In relations where is the input
	1 .
	parame ter:
0.4	
86)	The time complexity of the given made 18 0 (Jr). This is beause the loop iterate until it i
	This is beause the woop iterats until it
	exceeds n, and nearly execution it increased as the doop say stop which it i be comes greter
	than n.
877	The outer doop sum, i=n/2 to den it
=	iterater (n-n/2)+1 times, which is app. n/2 times-
	The second doop rune from jel ton, So its Sut apport
	log(n) time.
	log(n) time.
	log(n) time.
	The second loop runs from jet ton. So its sut apported loop (n) times.  The fried loop is einited to second loop i.e. log (n) times.  Since, they are nexted we molltiply them.
	log(n) time.

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Ans	
	approximate it to och2).
835	
Avs:	the ooker loop suns from i= 1 to n
	the inner loop sun from jet ton but increment
	in T = j +1.
	when i=1, dit none & times
	when i= 2, it some n/2 times
	When i = 3 , the inper doop runs h124 inex.
	when i=n, the inner loop some only ones.
	1+ h + h + +1
	i. O(dogh) Anc
0023	
<b>600</b>	