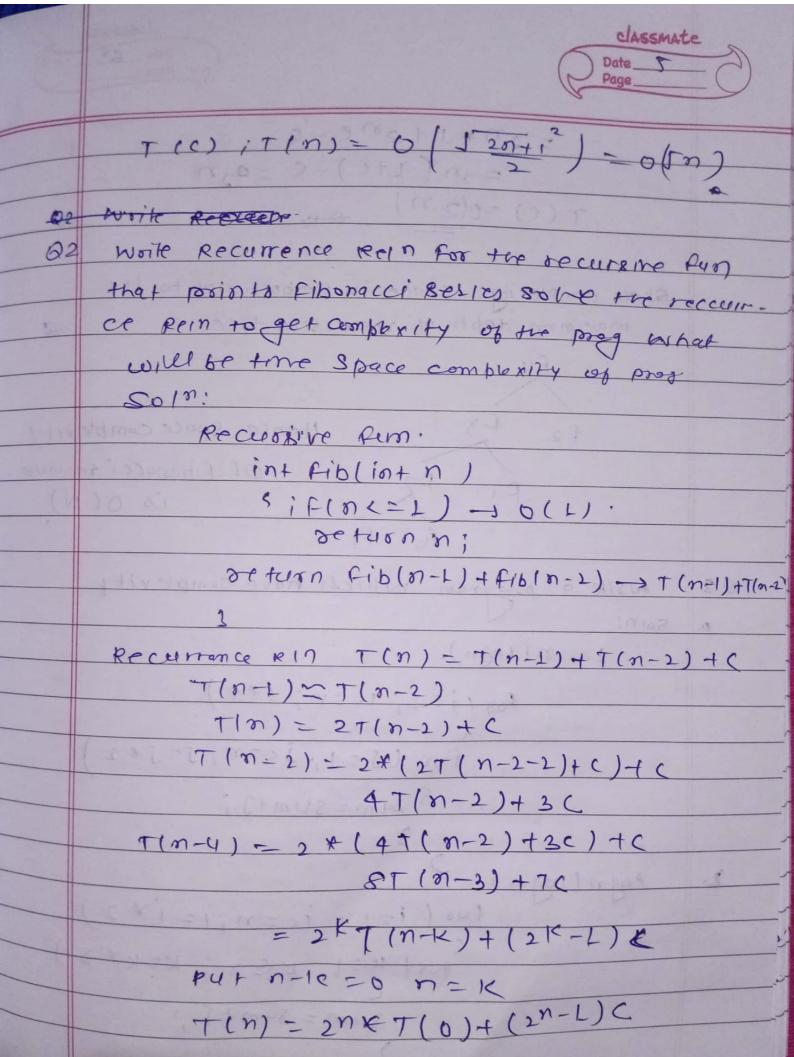
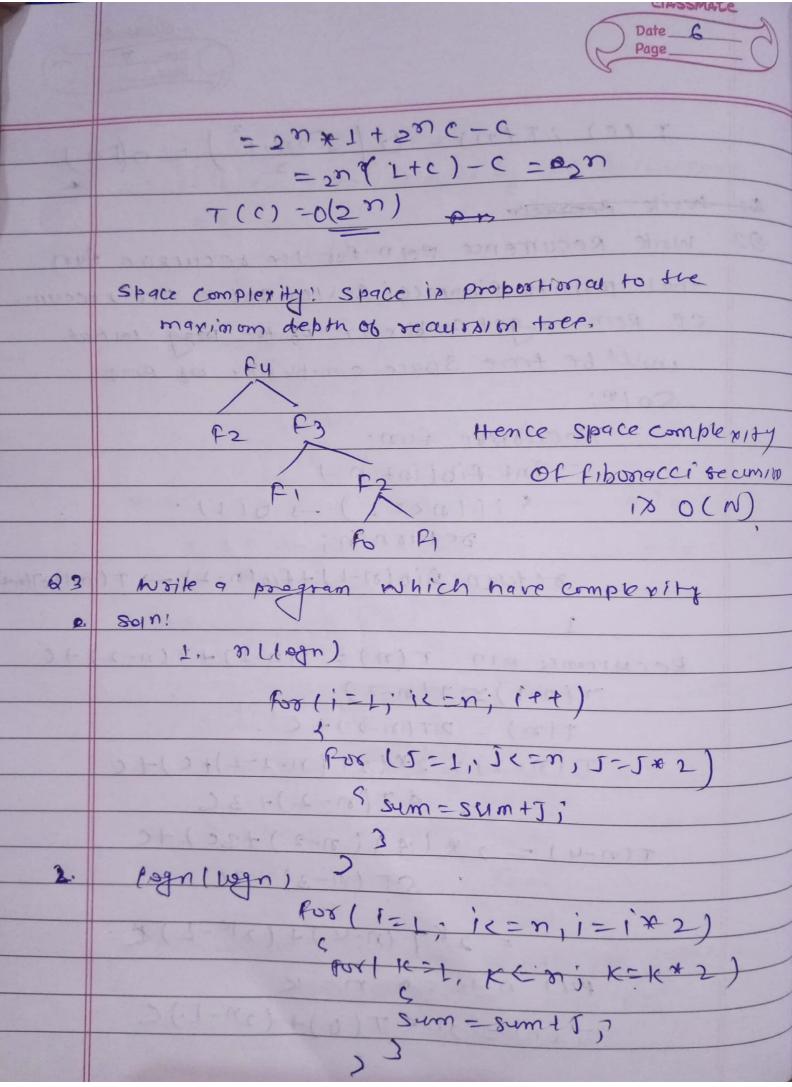
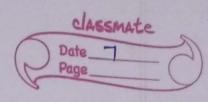
	classmate Date Page
	TUTORIAL: 2
QI	what is the time complexity of below code
	and How.
	void fun (in+n)
	int j= 1, i= 0;
	White (izn)
	1 = 1 + 5 ;
	5++; 1e +cerm
/	3 (CHEINI)
	solu: 1-0, 1, 3, 6, 1.10, 15,
	Sk-1' = 1+3+6+10+15+21+ - + [k-1-1] $Sk-1' = 1+3+6+10+15+21+ - + [k-1-1]$
	Sub (1) from (1)
	and the total control of the same of the s
	TK=SIK-SIK-1=1+2+3+4+5+6+ TK
	we have $Tk = n$.
	1+2+3+4+5++K=n
	KIRTI
	K(K+1) = n = 3 K2+K-2n=0
	$k = -1 \pm \sqrt{8n+1}$
	1 - 1 - 1 - 1 - 1 - 1
	Taleing only litre I wall a sail total no
	Toleing only (tre) value we get total no
	i=141= [8n]
Contract to the latest to the	1-17-1001

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Q4,	Solve Recumence Rein
	$T(n) = T(n/1) + T(n/2) + en^2$
	$T(n_4) \simeq T(n_2)$
	$T(n) = 2T(n_2) + cn^2$
	as a>1 2 6>L
	using master 18 method:
	T(n) = a+(n/6)+F(n)
of cr	C=19,69
	c= log_2 = 1.
	fin)>nc
	T(n) = O(F(n))
	$= O(n^2) Ans$
0	Wolfe a scientification
	divide the array in two pasts of 991. and 11.
	derive the Time complexity in this case . Show
	the recurrent tree white deliving throst contract
	I find in height of both the oxforme party
	understand a
	Soln: 99 to 1 in quick sort
	relled silver of whore from promit or
	T(n)= T(99n/w)+T(n/w)+O(n)

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