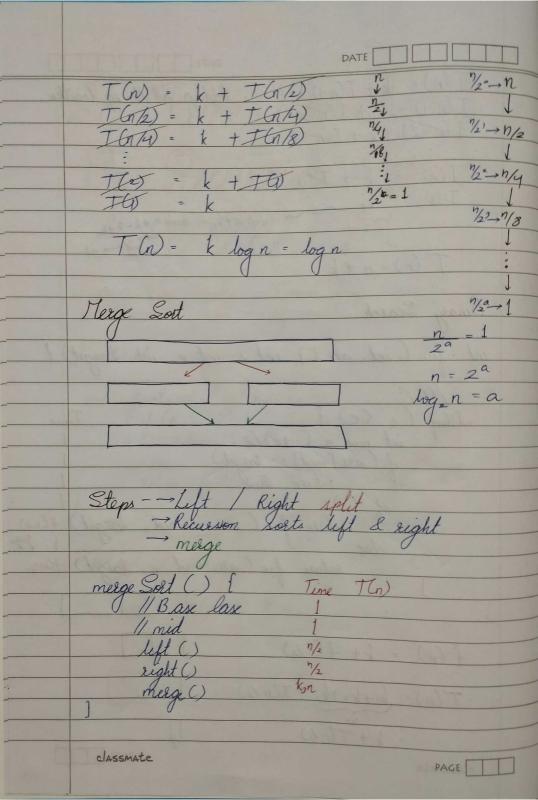
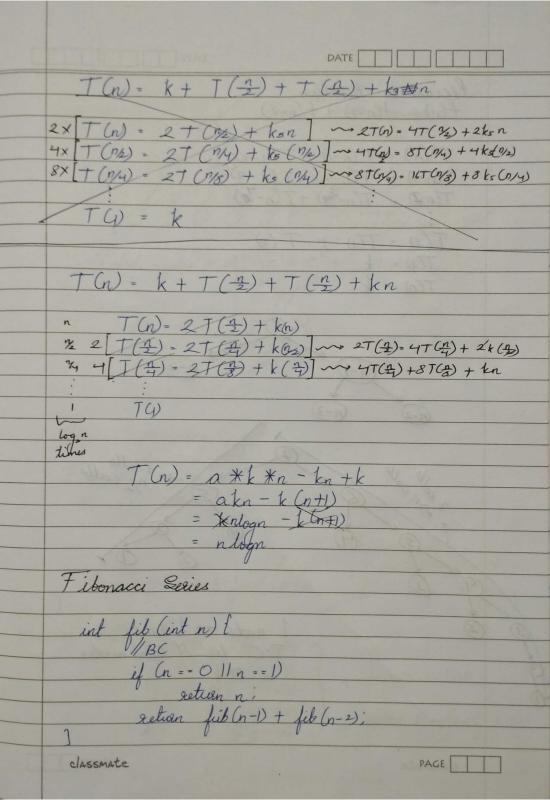
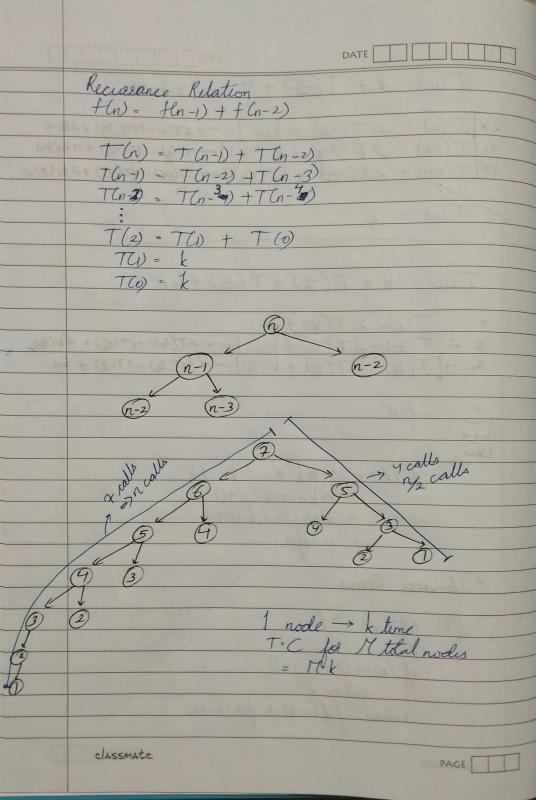
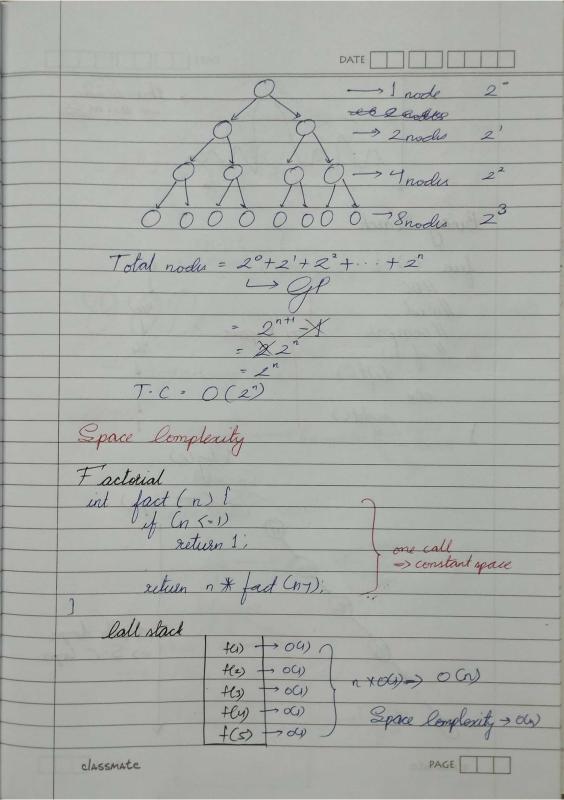
26 Time Complexity Of Recursive Algorithm 999 Pl - I Time Complexity Total time required as function of input. return factorial (n-1) *n; = f(n-D * n T(n) = k, +k2+ T(n-1) => T(n) - k + T(n-1) classmate PAGE

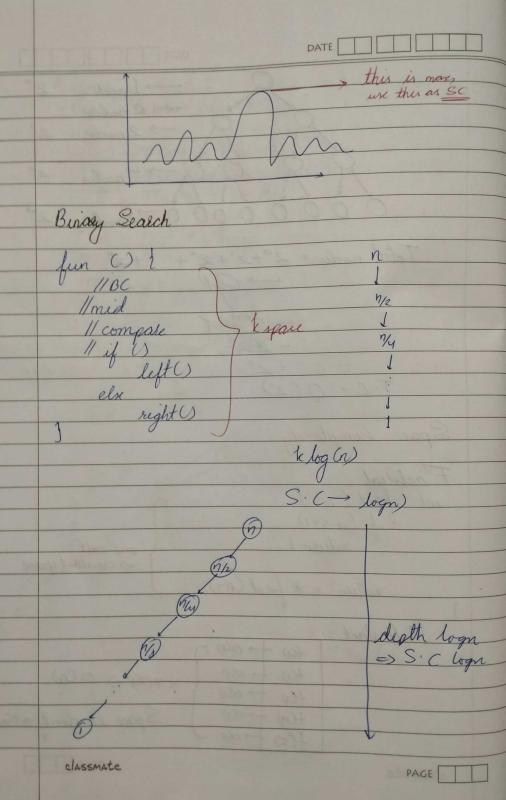
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	T(n) = k + J(n-1) Adde	ng all th	he eg togeth	и
3.6	I(n-1) = k + I(n-2) I(n-2) = k + I(n-3)			
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	$I(2) = k + I(1)$ $I(2) = k_1$ $n \text{ times}$ $(n-1)k+k_1 = k_2$ $T(n) = n * k$		DEC 1	Park In
13	n times (n-1) k+k, =	(+) n * 6	-ktk.	
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	T (n) = n * k			11 2 3
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	int fun (int ase [], ints, int	te, int	Target)	1
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	whilet (1 (e) f	1	Tin	20
	int mid = $(s+e)/2$;			
	int mid = (s+e)/2; if (ass [mid] = - target) return true;		1	
	return true;			1
	if () return fun (ass, else return fun (ass,		1 1	1
	return fun (art,	s, mid,	toeget)	+ (n/2)
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	f(n) = k + f(n/2)	MAN		
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	T(n)= k1+k2+k2+T(n/2)			
	K-			F-17 -
	= k + T(n/2)	1		
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