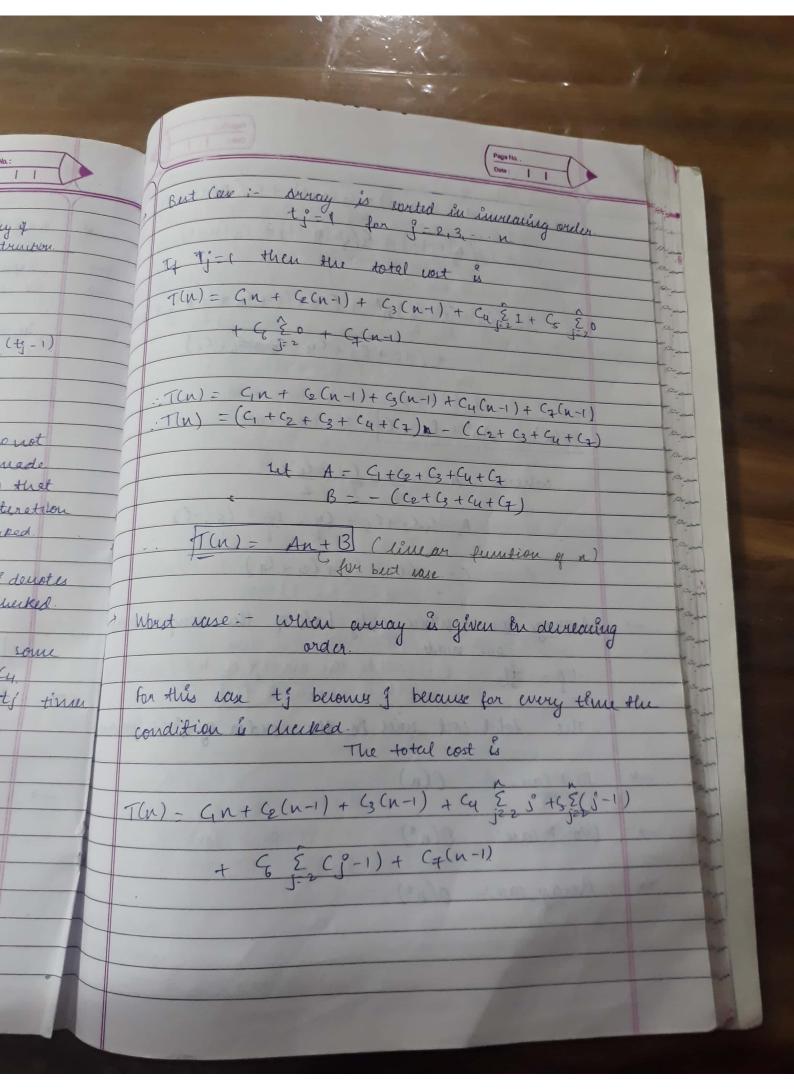
		Paga Ha. Deta:
	M=A-length for f=2 to mA-le { (2) key=A[j] (3) i=f-1; (4) while (is	Liver is away of luligure. Lex of away starts from 1. Comparition take for (\$22; \$\int \text{Length}; \int) come to we right autignment take vory ten time so, we the (utunthous don't take it 0 22 AEiJ > Key) I = AEIJ; i-1;
	<u>}</u> ,	
→ →	We require two this	of for sorting n is the tength of away. Ings to analyse the function ic. or 2 frequency of intrustion. how many number of three the particular custometron is evaluated

1			Pega No. : Data :	
	instruction. tj'is the tj'i- for jt mulber	nany times con sot give a con So, we take the number of thus the iteration of the of times the cheeking Encide	52	tu de la companya de
	T(n) = Gn +	Set of instruction $(2(n-1)+(3(n-1)+(3(n-1))+(3$	$(t_{j}-1) + (q(n-1))$	

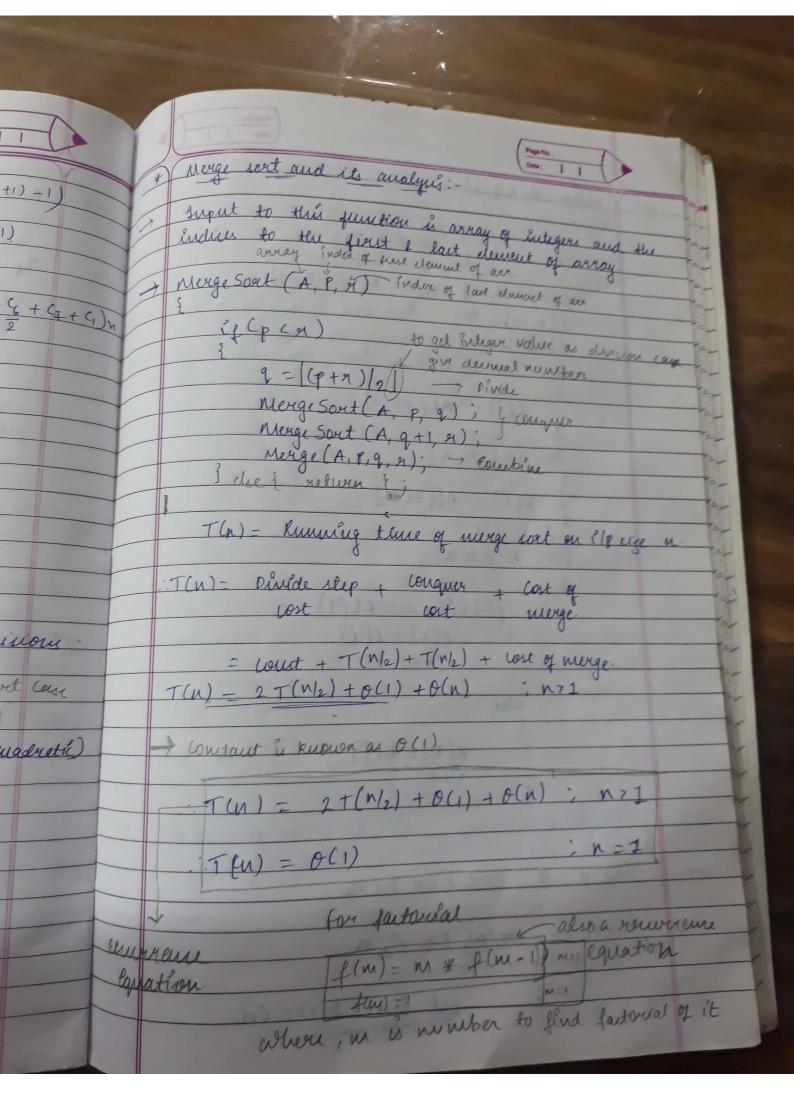
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	$T(n) = C_1 n + C_2 (n-1) + C_3 (n-1) + C_4 (n(n+1)-1)$ $+ C_5 (n(n-1)) + C_6 (n(n-1)) + C_4 (n-1)$ $= (C_4 + C_5 + C_6) n^2 + (C_2 + C_3 + C_4 + C_4 + C_5)$ $= (C_2 + C_3 + C_4 + C_5)$ $= (C_2 + C_3 + C_4 + C_4)$	
	$T(n) = An^{2} + Bn + C + for word (ase)$ where $A = Cy + Cs + Cg$ $2 + 2 + 2$ $B - C_{+}C_{2} + C_{3} + Cy - C_{5} + C_{4}$ $C = -C_{5} + C_{3} + Cy + C_{4}$ $C = -C_{5} + C_{5} + Cy + C_{4}$	
	therage case: - when only half of the comparison and made. If - flo (-1) will be the average of best & wort can which is nearly & flo) The total cost will be the order of no (ic quadretic) est (ase: - O(n)	
W	ereign (on: O(n²)	

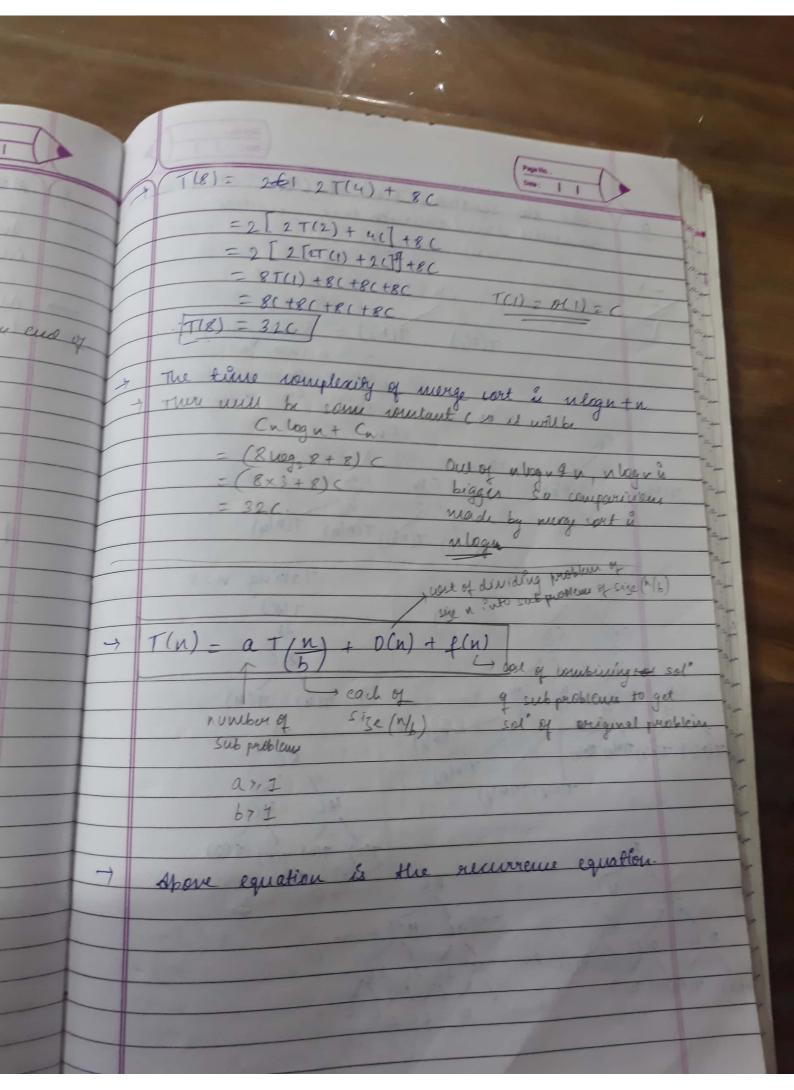
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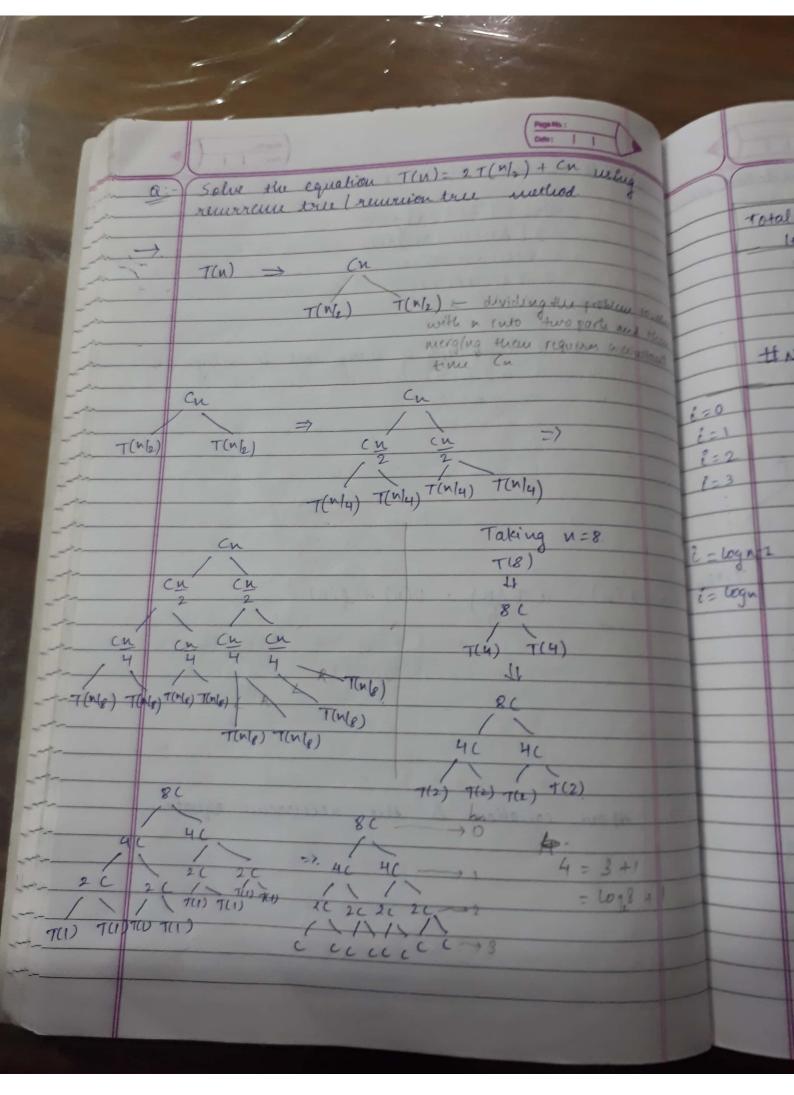
Merge (A, P, q, 1) q-p+1; //(q-(p)+1) y-q; // (x-(q+1)+1) L[1---n,+1] and R[1---n2+1] L[n,+1]= 00 // we add +1 to wark the end R[n2+1] = 00 array by Pupinily LCÎJ = ALP+E-1] for i=1 to n2 R[i] = A[q+i] for k=p ton EFCLEIJOC=REGI)

ACKJ=1EiJ (++; M else ALKJ= REJ] Keep n = 8 and find the aus TUI) - 2T(N/2) + Con. Let 0(n) + 0(1) = Cn

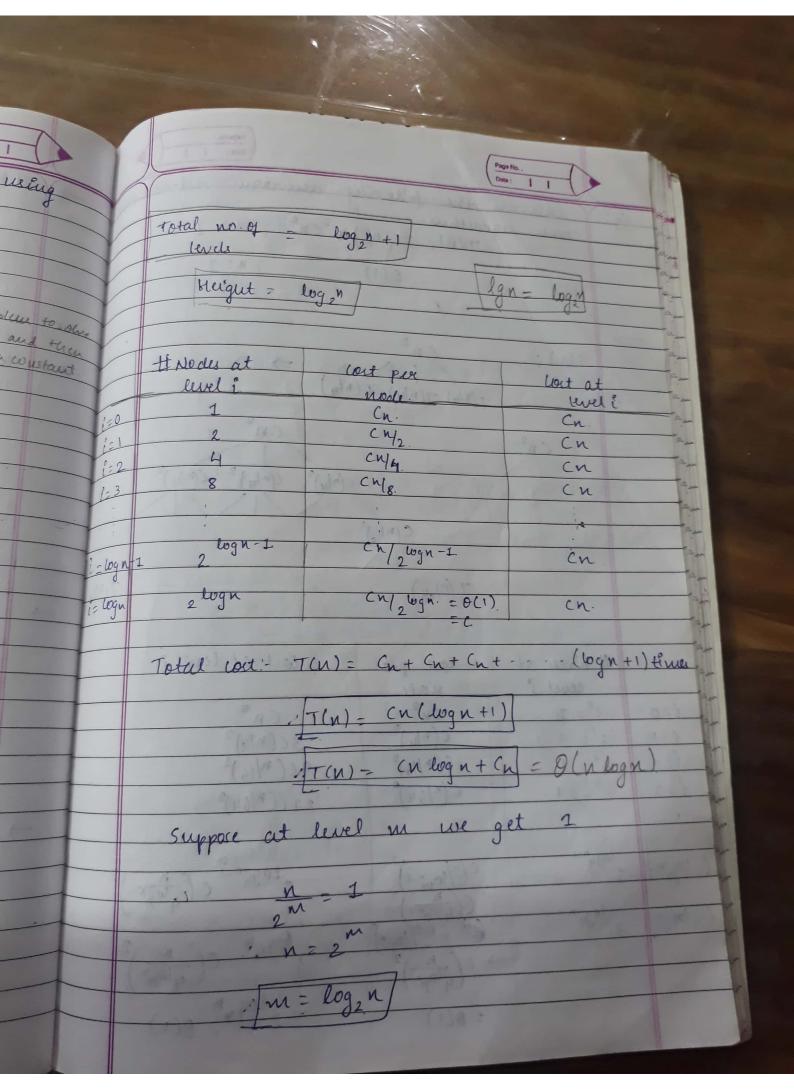
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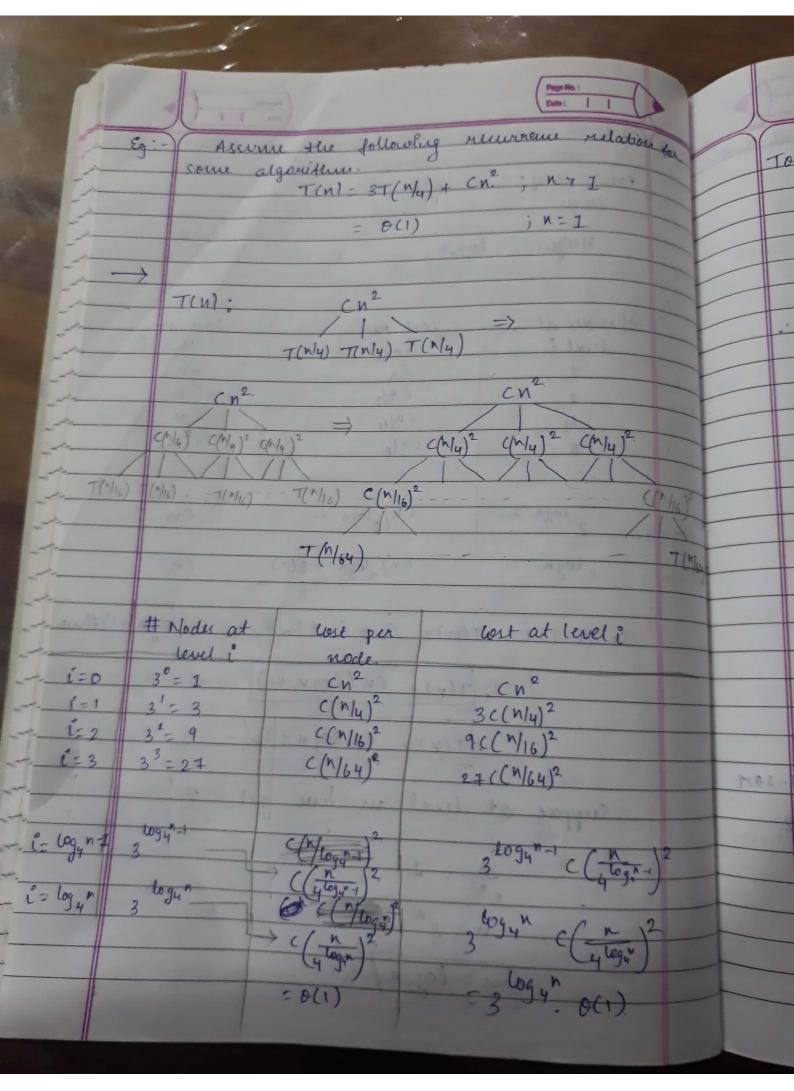
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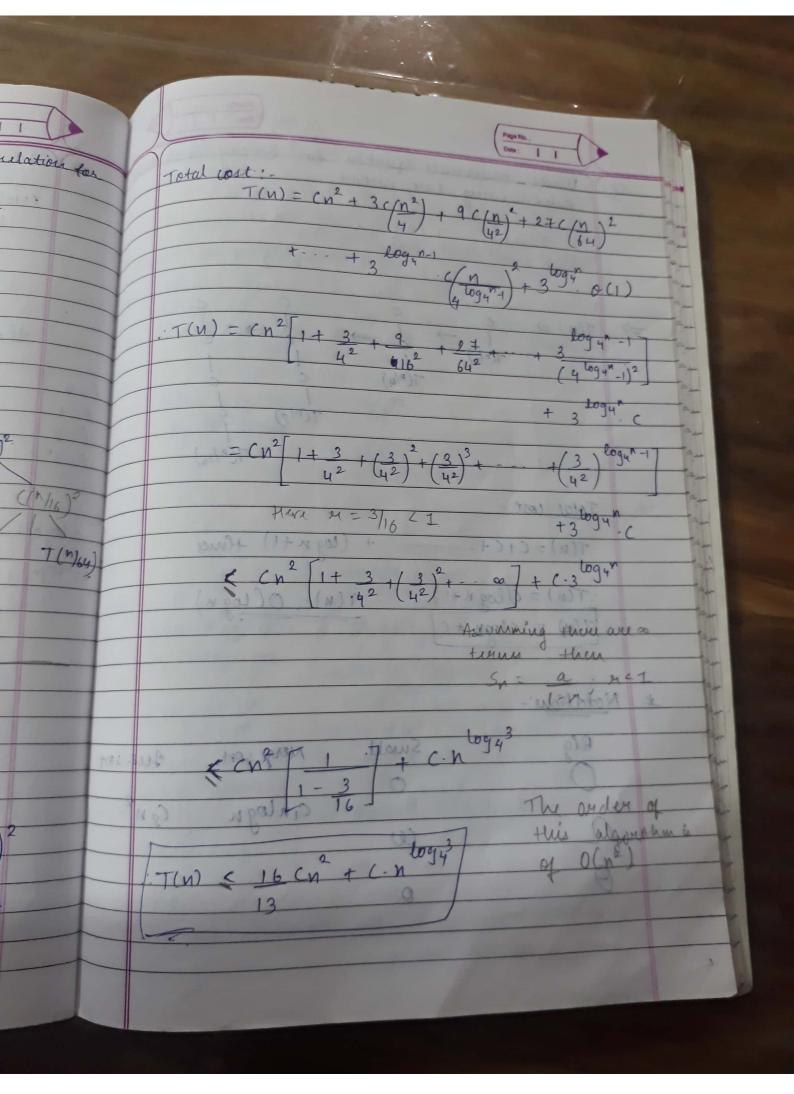
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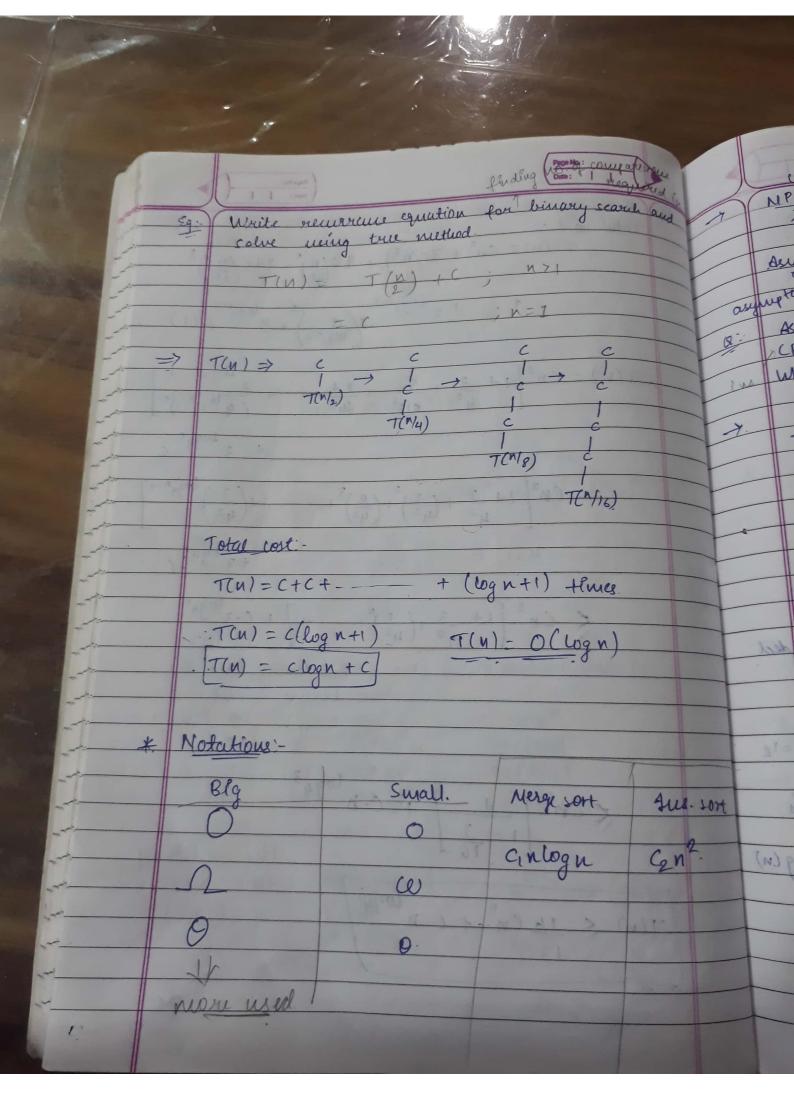
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