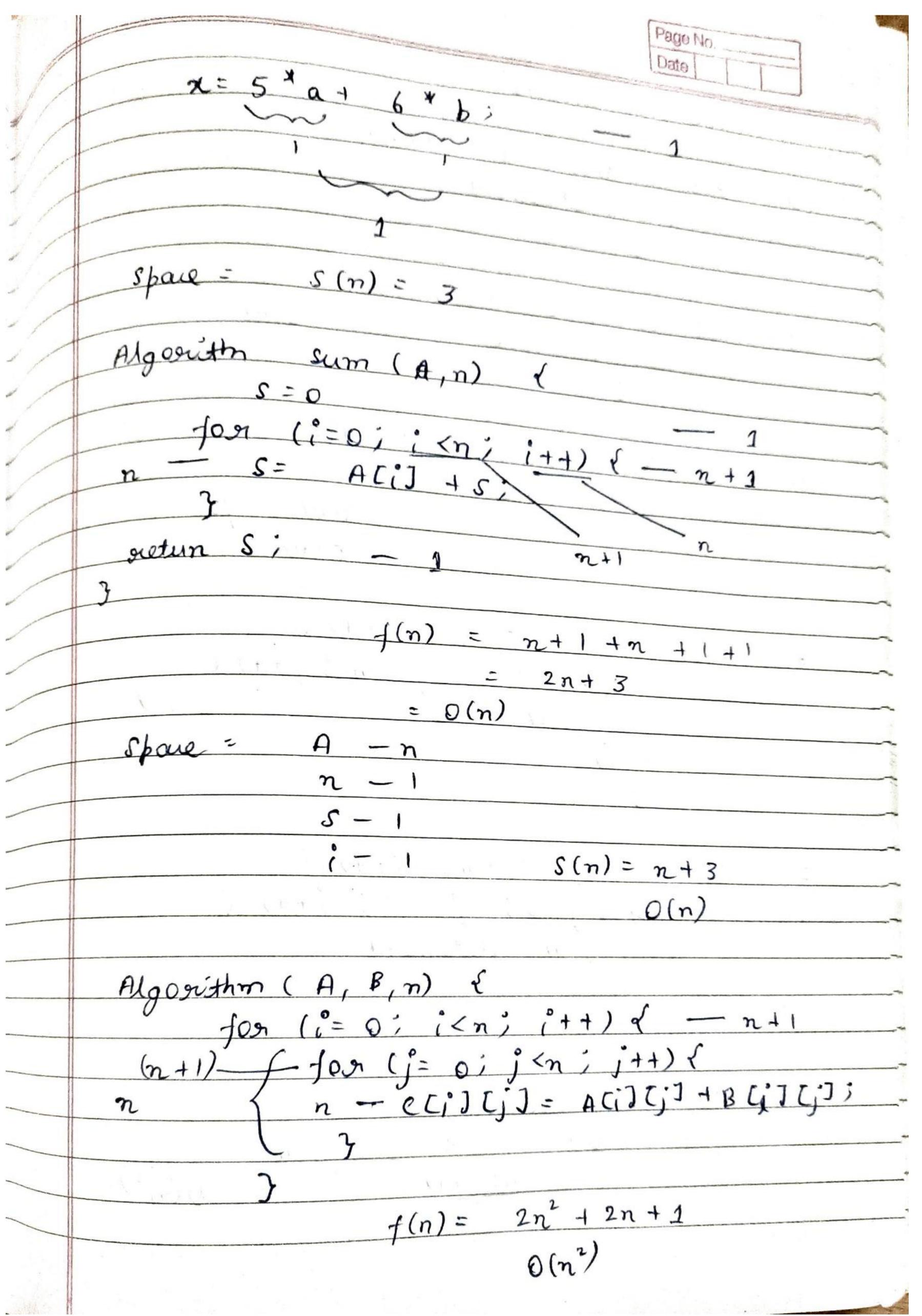
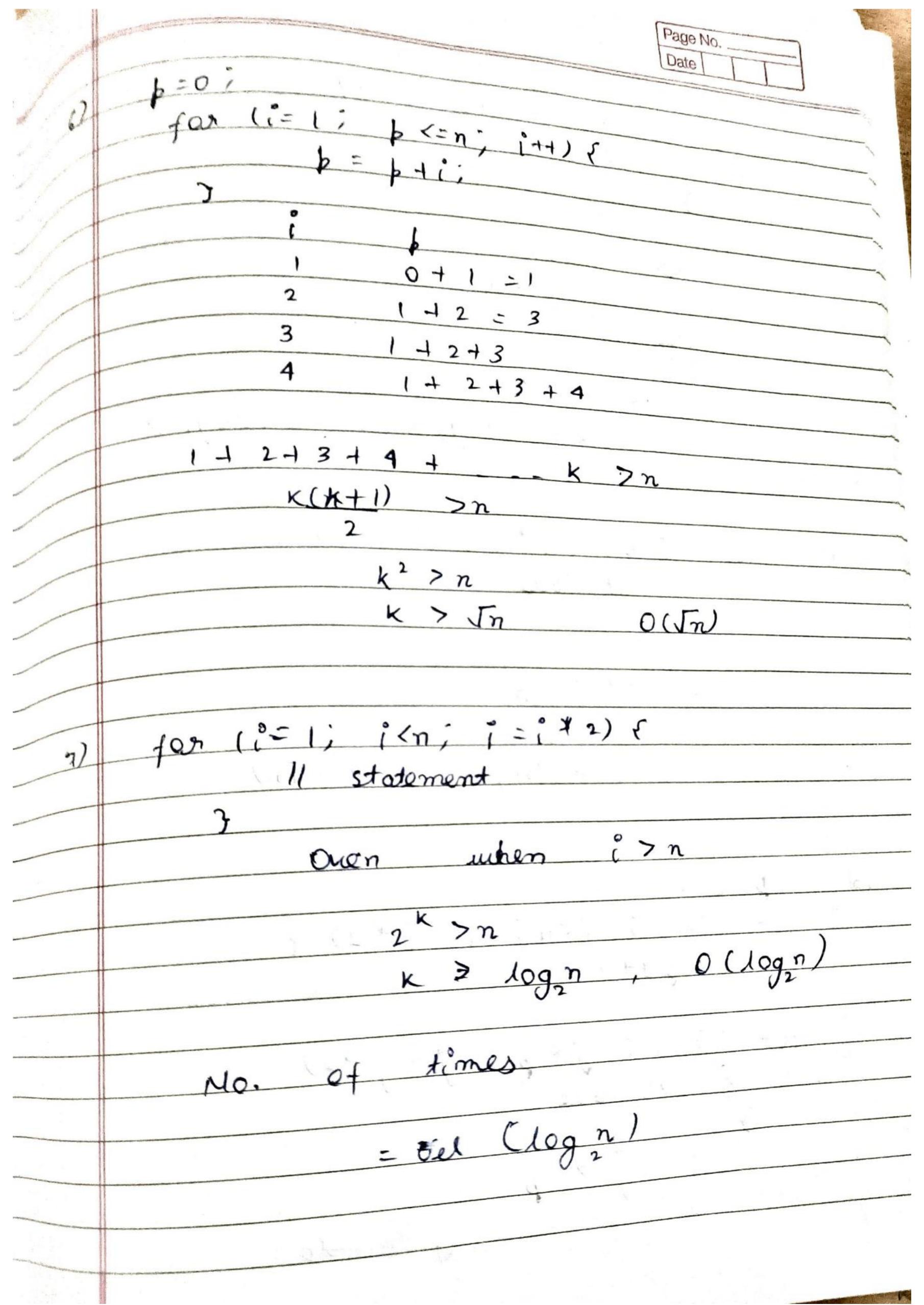
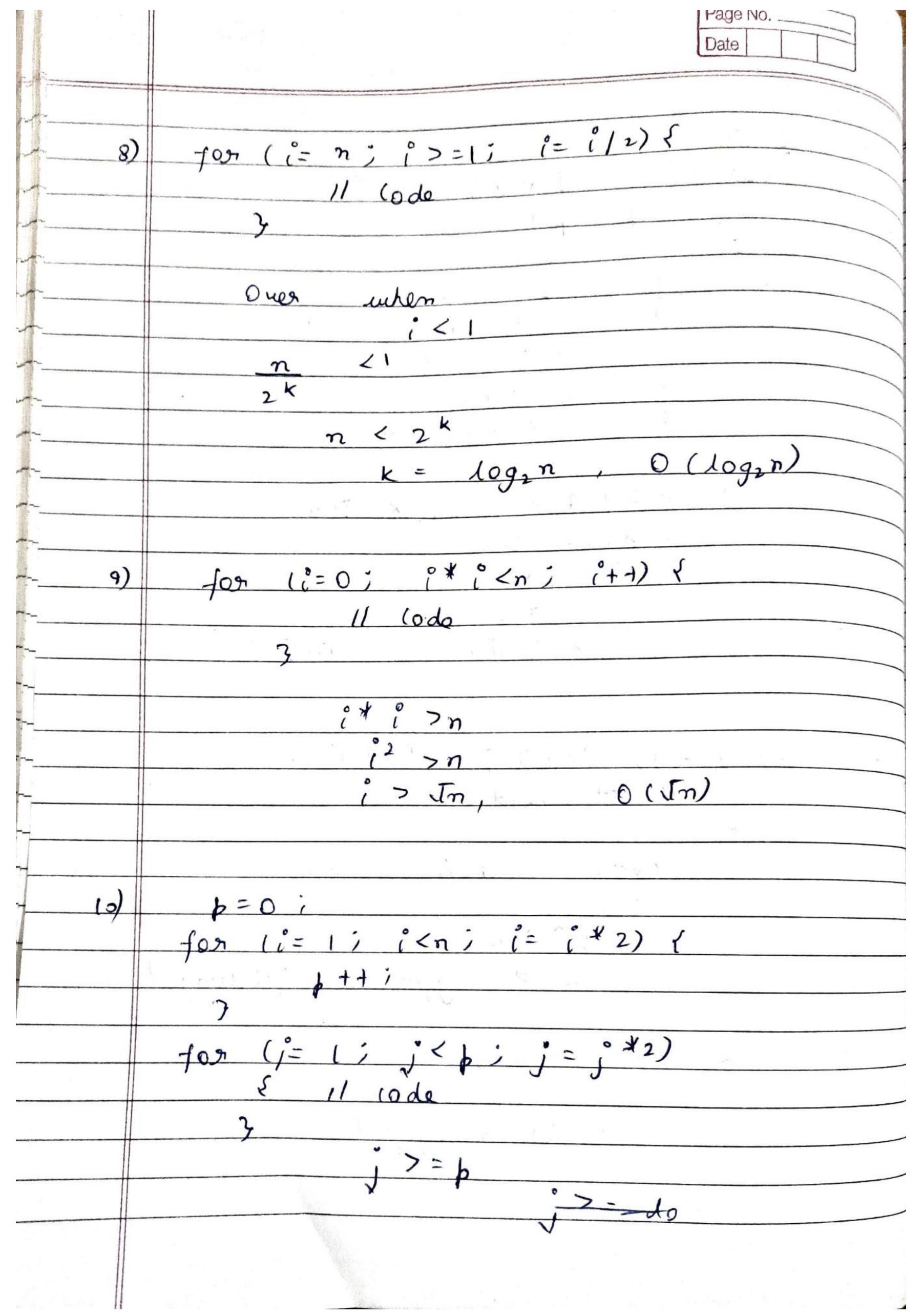
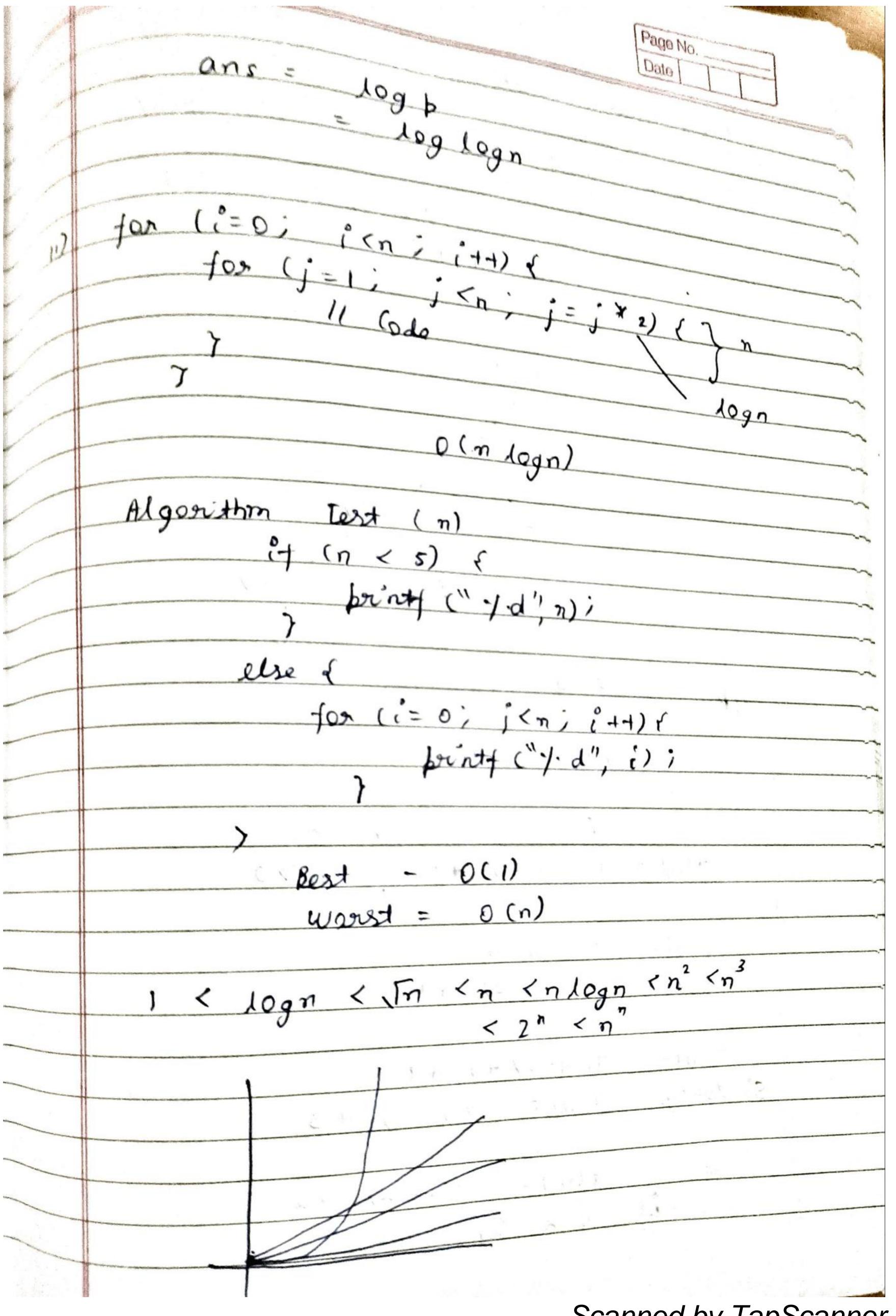
	Page No.  Date
	Analysing the Algorithm
	characteristics of Algarithm
)	Inbut - 0 or nord
2)	all 1 grosuit atleast
3)	Definiteress - Solvable ex- J-1 X
1	
	Effectioness - Every setel must be of teatre
	Effectioness - Every setep must be effective Not unneccessory
	Hom to write algorithm
	Algarithm suap (a, b) {
	temb = ai
	a = b
	b = tempi
	3
	Hou to analyze algorithms
2	Time.
2)	Spare.
3)	
4)	Pouren consumption
(-)	CPU riegisteris
	algarithm surap (a, b) s
	temb = a/
	a = b
	b= temp;
	f(n)=3
	Juni Juni





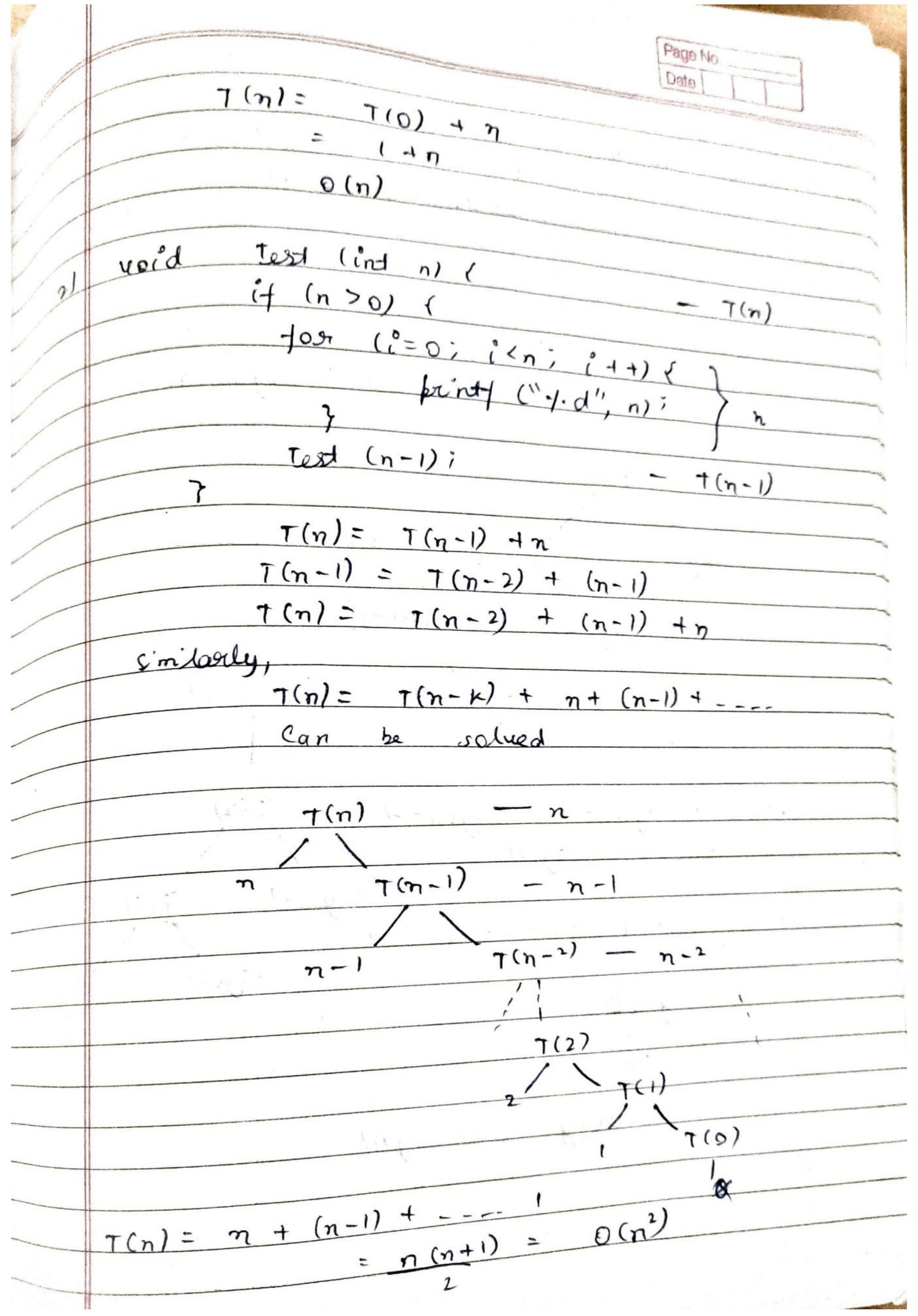


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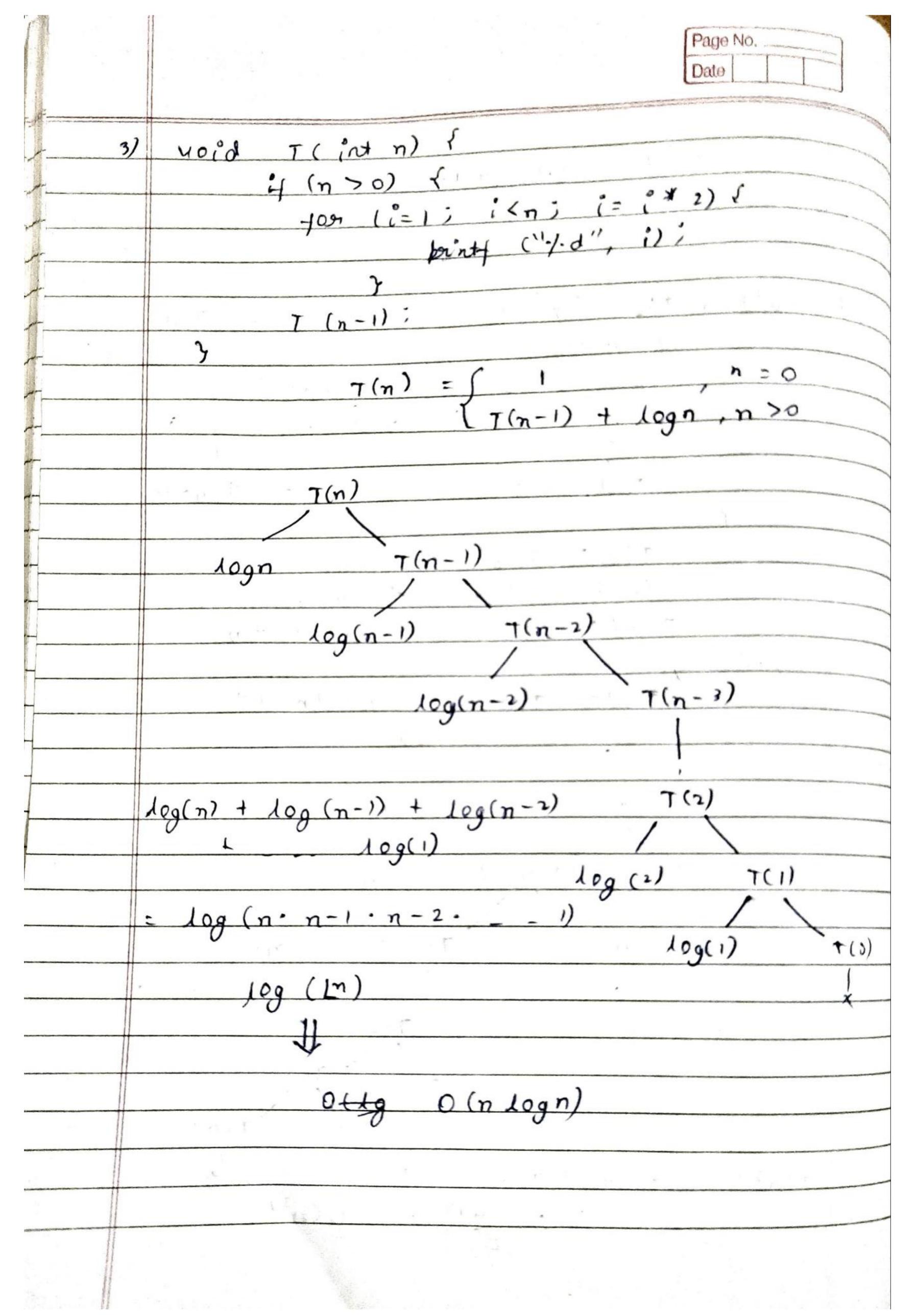


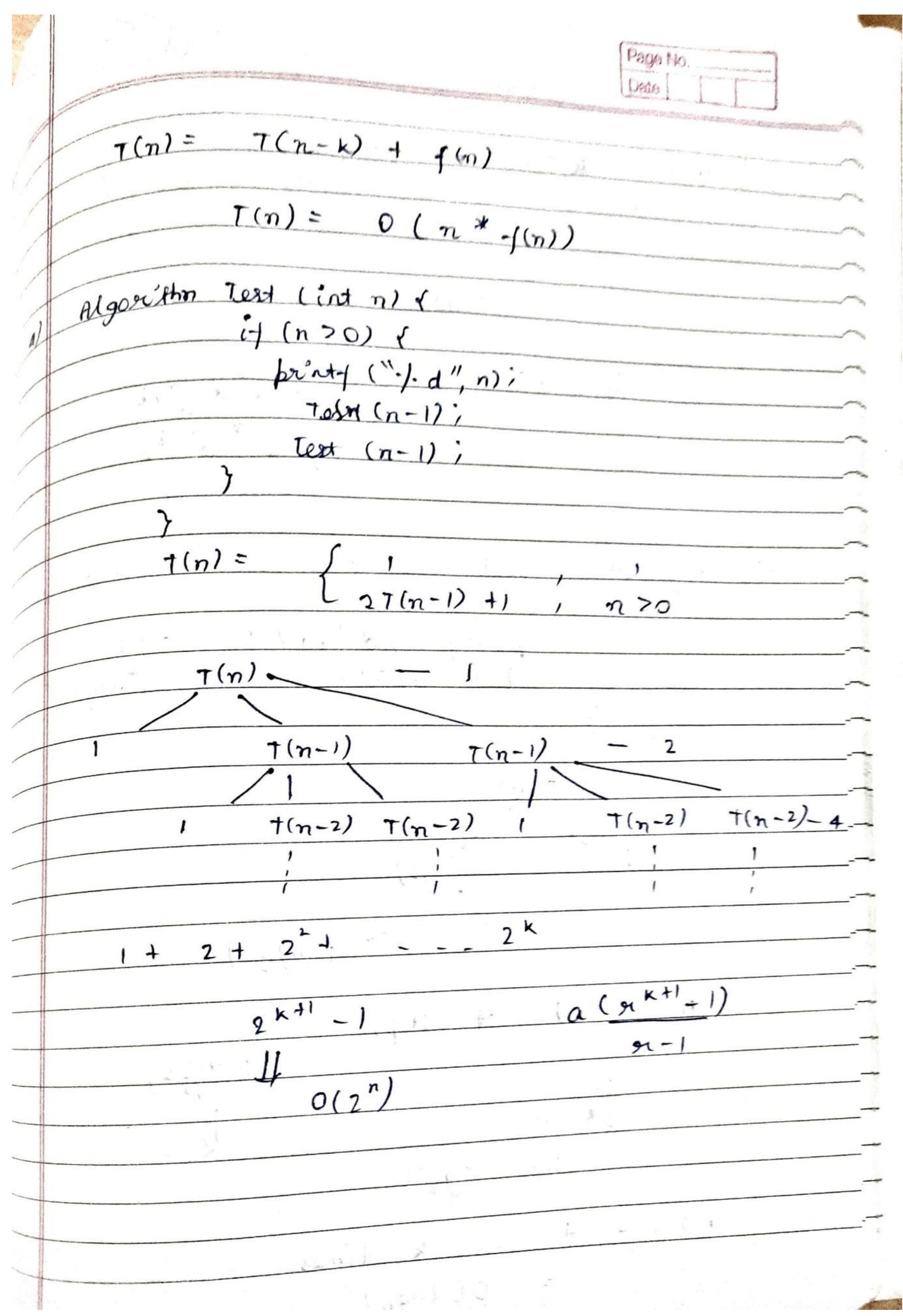
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Page No. relation Recusione Test (int n) { uoid borntf ("./.d", m); Text (n-1); T(3)T(2) T(1) T(0) 0/b = 321T(n) = T(n-1) + 1n = 0 200  $T(n) = \{ T(n-1) + 1 \}$ T(n) = T(n-1) + 1 $t(n-1) = \tau(n-2) + 1$ t(n)=t(n-2)+1+1Similarly, t(n)=t(n-3)+3t(n) = t(n-k) + k



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Page No. \_ theorem Masderis 7(n) = (n - b) + -1(n) a > 0, b > 0 -1(n) = 0(n + b) $T(n) = O(n^* - f(n))$  $7(m) = 0 (n^{k} * a^{n/b})$   $0 (-f(m) * a^{n/b})$ a >0 Algorithm Test (int n) { \_\_\_ T(n) 5) il (n >1) { print f ("/d", n)? Test (n/2); - T(n/2) T (n/2) A + T(1) 2 4 times O(legn)

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