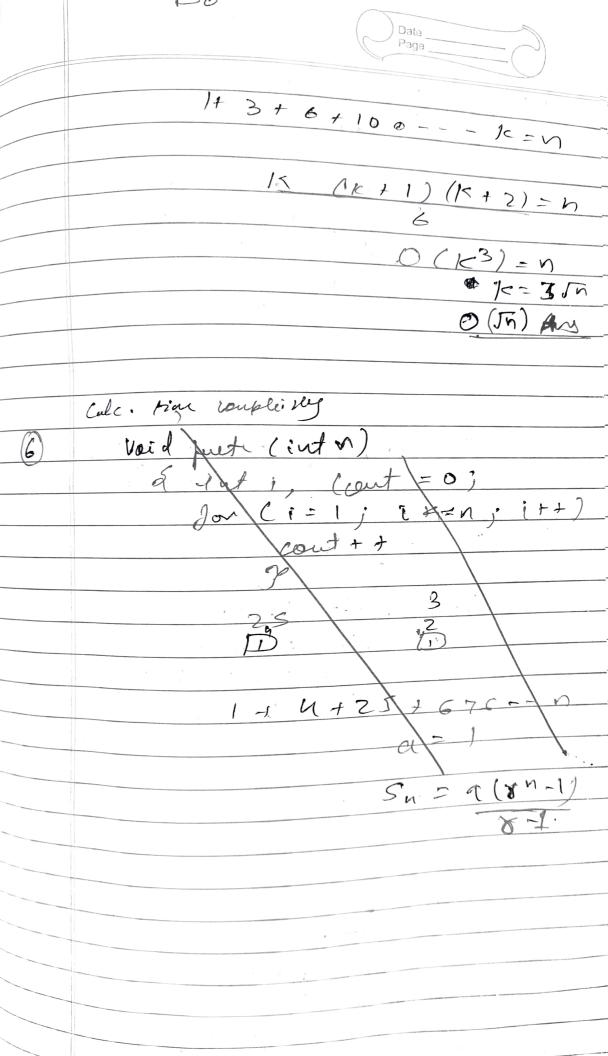


Ton: 827 (n-1)-14 m) 0 other put n=n-1 inegr O T (n-1) = 2 [Ten-2)-1]- 3 T(n)=2[2T(n-2)-1]-4T(n-2)-2-9 put n= n-2 T(n-2) = 2[T(n-3)-1] T(n) = 4 [2 [(n-3)-1]-2 = 8 T (n-3) -4-2-1 2 87 (n-3)-7 2KT(n-K)-2K-1-2K-2-2K 2 n-1 = 7 (n) = 0(1) what is 'time complexe by of intist, S=L; avid (SK=N) g : + +;

S = S + i;

Jouint (!! #!!);



Void fuetracint n) int injok; for(i=n/2; ix=n; i++) - O(n) cout = 0'; 2 for (j=1 ; j <= n; j=j*2)-10((ay(n)) d jui (x=2, z== x; t= z=2)-) Coelt ++. J_ Time complenity = 0 (n) * o (dgon) (gn) = O(n ly²n) Any Tine compleming 5 Void Juckion (int n) inti, contio, Jor (1=1, ix1<0, i++) 2 Cout ++6 The Limo complexity of above function 08 Justin (int n) e intif (n = = 1) outeon; Jowli= 1 ton 2 jal (j = 1 for n feid (x 11)

Judian(n-3); T = 1, 2, 3, 4, n = 0 0(n)j = -1, 2, 3, 4, --- N=) 0(n²) Time complexity = 0 (MXN) Void function (int m) ora (i = 1 ton) α $\beta \sim (j=1, j < n; j = j+1)$ 2 pint(1*") 每=DETAN) (In) for (=1=) j=1,2,3,4-n=h jori=2=) j -1, 3, 5 - - · n/2 Jor (=3=) j= 1, 4, 7, -- n. n/3 i) T(n) = [n dogn]

