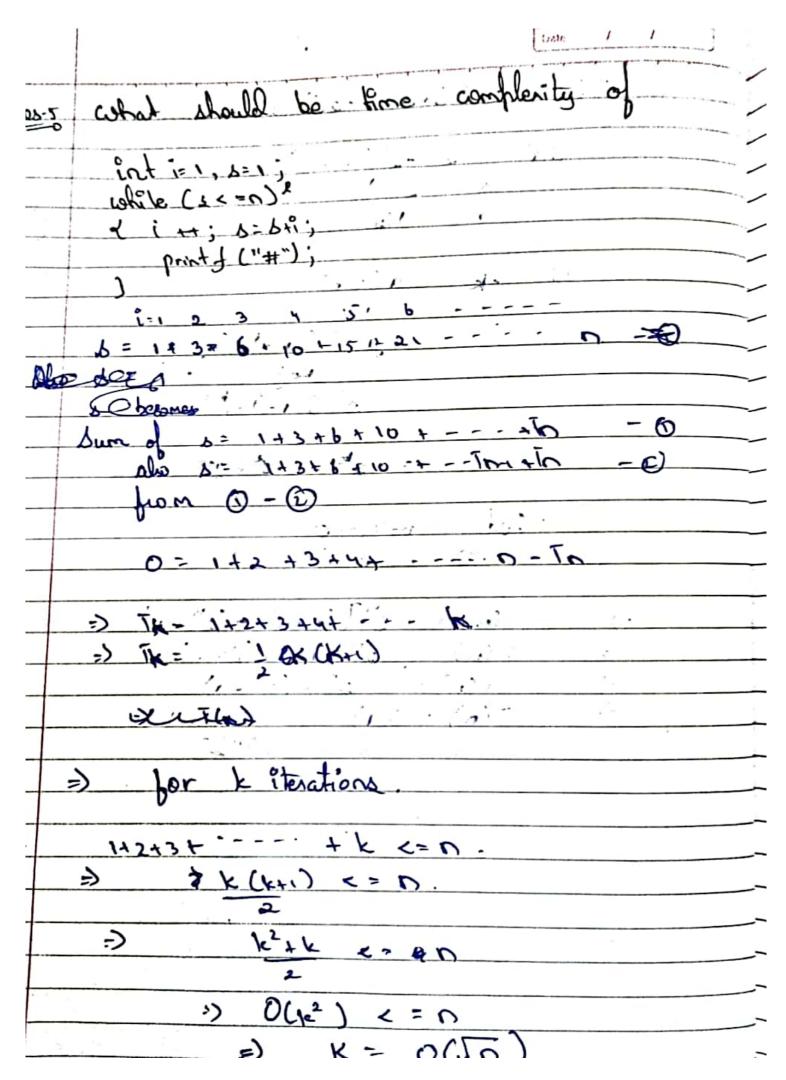


Liste /
putting no now in 0
7 (m) = 3(7 (m - 3)) - (3) 3 (7 (m - 3)) 3 (7 (m - k)) 3 (7 (m - k))
putting n-k=0
$\frac{1}{2} \frac{1}{2} \frac{1}$
$\frac{1}{2} \frac{1}{2} \frac{1}$
4) I(n)= 227(n-1)-11/ n>0, otherwise
T(n) = 2T(n-1)-1 - 0
$\frac{1}{2} \frac{1}{1} \frac{1}{(n-1)} = \frac{1}{2} \frac{1}{(n-2)} - \frac{1}{(n-2)} = \frac{1}{(n-2)}$
From O DO.
=) , [(0) = 2[27(0-2)-21] - 1
3760=476-22-1 - 3
let 0= 0-2
=> T (n-2) = 127:(n-3),-1 - 0.
from 3 d 5
=> -[-(c-2)-1] + = (a) [-2-1
=) . I(n)= . 8 I (n-3) - 4-2-1
5



		Dott / /
	for k = 10"2	
	k= 1,2,4,8,' 0.	
	$\Rightarrow GP \Rightarrow a=1, r=2$	
	= 1(21-1)	
100	10gn > 2k.	
5)	i J	k
	log n	logn * logn
	5 bg o	logn * logn.
	=> 0(n * logn * logn)	· · · · · · · · · · · · · · · · · · ·

	DOMS TO
8)	Time Complainty of
	function Coto)
	Telus;
	for (i=1 to 1) i=1,2,3,4, 0=2 0(2)
	2 print (**');
] function (n-3); 7 (n/3).
	$= \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) = \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac$
	3) Q=1, h-2
	$C = \log_3 1 = 0$
	2) (7
	$\Rightarrow \overline{\Gamma(n)} = \Theta(n^2)$

	DOM5 Page No.
- Gus a	Time complexity of -
,	ν βον (= 1 to η) ν βον (= 1
for 1=1	=) j= 1, 2, 3, 4 n. = n. =) j= 1, 3, 5, n = n/2
; for 1-3	=) j=1,4,7, n = n13
for i: n	=) \(\int \cdot \
	J=0 2 . 3
	5 0[.11; + 11; + 1] 2 0[1] 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	jon Jon J Con by J
	and the best of

The for functions, n'd in what is the asymptotic relation between these functions? assume that k=1, d c>1 are constant. Find out the value of a d no for which relation holds
as given nº d c"
relation blo ax d co is
$n^{\kappa} = O(c^{\kappa}).$
exect who she as n' < ac
۵>٥
ho1 00 = 1
>) 1 ^k < a2'
-> no= 1 d (= 2