we the length of Moray = n i=1 j=1 i=14 j= 1,2,1, - . . M 1 3 2 7= Ne ()= 1. -12. n Since the loop are nuted we multiply their complenities: O(N) X O(N) = O(N2) space company (0(1)). will enecute or down will The loop own from i=1 to on times. Sp, the time O complexity will be O(0) Spece complexity (O(1)). This is also roung from i=1 to on , So, the time complainty need be O(n) and space condenity O(1) been jut only using a single loop.

Cline time complainty (O(n2)) variable (i) which were constant space. i) 20 (0(100) => 0(102) So, the algorithm will perform almost 200 operation, (0 (n2)) = 0 (so2) 50 it will perform 2000 spen. $|0(n^2)| = 0(10^4)$ 700 if will pufor 10000 oper 500 (0(ny) = 0 (500)2) it will kuforn 250000 open so ut

PAGE No. but I know because I saw

R k videos and from they I got

to know but I still don't know n pal) o to know but how . All : (M) X (k). 1 8 while (ICM) and the cono is judielize from 1 = 1 2 1 1 = 2 1 | 1 = 2 3 | 1 = 2 3 Power = 2K はなくの 00.1 in mill order with

PAGE Na A As the loop way from 1 to n Since the loop itendy on time so, T(t) = O(n). This loop is also my from 1 to n So, the loop intenter of firm so, T(t) = o(n)On A the outer loop is verning from 1 to k and othe inner bot is running from 1 to may, les and Inner loop is independent of outer loop. So, Time Complexity will be as they the looks are too nexted so, TC = O (K. length (orray) loop new from I from I to length larray Cotray length of array be 8 so, outer loop rury from 1 ton. j= 1,2,3....

	PAGE NO DATE
	So,
	$TC = O(N^2)$
(The state of the s
(32)	A the outer look view, " grown 1 to length [mother]
	So, and innulsed sums, from 1 to longth (mother 2)
	and a from 1 to length (motors 10)
	(TC) = length Franking 1 mgh 2(0)
	length [Mahix 1 [0]
(F)	A outer look num toon 1 to or;
	and from look new John 1 to 1 three.
	then T: (= m(m+1)
	2
	=0(m²)
	# yaka multiply mus ky kju py ms bd, h nse,
(
(22)	As the order loop our from I to longth grown
	(Say Kingth (Orray) = 1)
·):	
	and mun los suniferen 1 to length (ornay) as
	I mean
	260
	So, Astress are moted,
	$(T\zeta) = 0 \text{ (hxm)}$
	$= 0 (\text{nz})^2$

PAGE NA DATE	is the 1 loop sure grow 1 to orthouse.	m 14	30 Tr of non)		4) A chi, loop own from 1 to length (manx)/2	Cet Length (matrix), -3 D.	0	Te 0 (mb) # 3(=0 (are we can given condained spaces unco in	So TC O(N)	from the length	Let say length (930ay) = or not depus on you	1 1.	Winds	med by the	o mas my find (us of I was) minds!	paid (= 1 * 1 = 1) bas	ton.	"	
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