

9 10 11 12 13 14 15 16 17 18 19 20 21 22

23 24 25 26 27 28 29

1:00

4:00

5:00

6:00

2025 Tuesday

May

(21)Option b is inconsect for a=b. CTCD Ca,b) x LCM (a,b) = axb 10:00

(22) fcn) is O(n2) and $\Omega(n^2)$ both

because n2 is the leading term.

2:00 Muster Theorem Says,

T(n) = a T (n/b) + f(n)

where, a = no. of subproblems b = factor by which input size is divided fcn) = cost of dividing the problem and

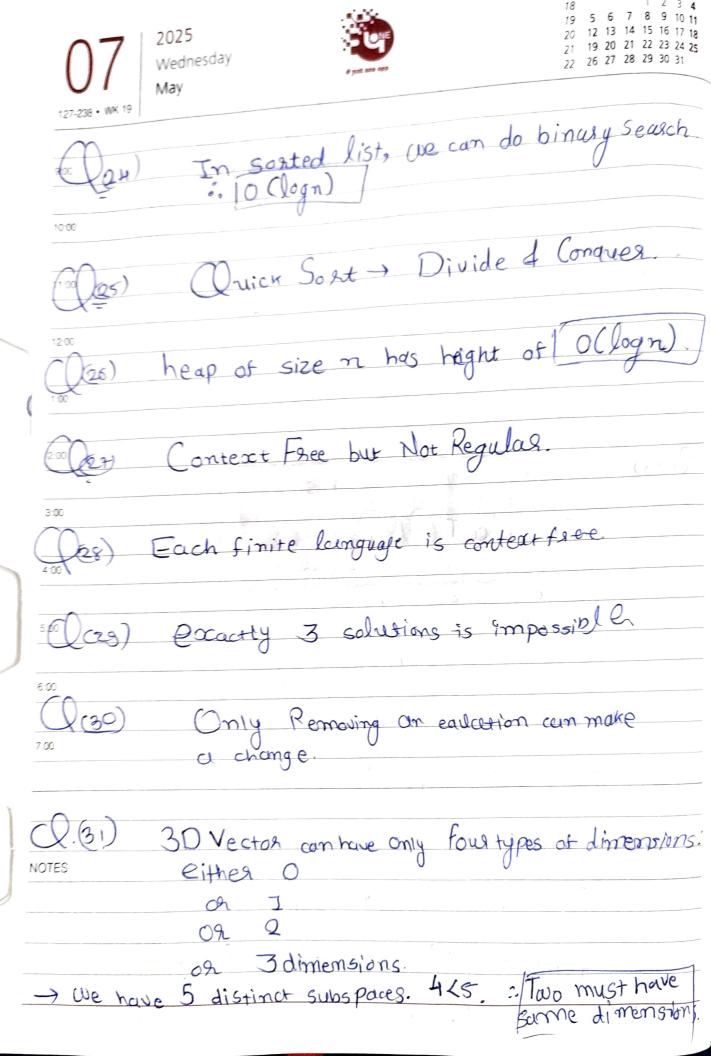
combining the solution

here, we compare. 7.00 f(n) with nlogo (a)

if, fcn) < n logb (a) NOTES

fin) = nlogb(a) -> Tin) = nlogb(a) log n $f(n) > n^{\log_b(a)} \rightarrow T(n) = f(n)$

case 2. (: a= 2, b=2). : T(m) = 0 (n/gn)



09 129-236 • WK 19	2025 Friday May		# just one ops		1. 1. 2 2 2	k M T W T F S S S S S S S S S S S S S S S S S S	
9:00	G).	nasy ext	onentia means	l back of	s este	9 n	
11:00	- Each Station chooses a sandom number K						
12:00 -	It was	uits for	KX	Slot tem	re	\\	
1:00 Afte	er 2 cco	illisions, s: K E S				the buckoff 2., 4 choices	
3:00 So, fe +ime	on each	Station 14.	the ch	ance of pic	cking o	ing baou Off	
A	Succeeds	s if its	number	on (Station pick a nun is Staict! ast then	y less	yceeds: on Eo, 1,2,3 than B's	
				PCU'SS = A less than		16.	
NOTES A=	0 1 [2 1 					
		6	Choice				

06					June	20	25
wk	M	T	W	T	F	S	5
22/27	30						1
23	2	3	4	5	6	7	8
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	27	28	29



2025 Saturday

26 23 24 25 26 27	28 29	# just one opp	May	130-235 • WK 19
9:00 -> Sur	me applies on if	B suceeds		
10:00% Total	favousable =	12		
11:00	Propability that	one Stution	Succeeds = (2)	16 = B/8
	NAT trans			
1:00 / (p	Rivute IP, Privu	te Post) <>	CNAT Public IP	, NAT BAD
2:00 A	15 wer - (1)			
3:00	CVN-7 ET		9-6	
4:00	SYN=I, FI	\sim	(?	
5:00	Stut	Close	V	-
	Cant	be togethe	29.	11
			,	Sunday 11
$\bigcirc.(31)$	wo lepto	es joins Usin	g all common	columna
NOTES	2(1,2,5), (1,2,5), (31416),	(Mou, 7, 10)	
CO >				
()(38).	DQE age	not Prese	mt.	
	Dof E age	+ + P, AB	1 + B9 1 AC	→c.

AUGUST

10:00	TINTZ for	ms superkey or hourly uxiges	f 12.
	Initial values f Is adds 500, To doubles, To multiplies b		
	(A) > Is reads (A) > To reads A	100	
	Re(c), We(c) +		R2 Reads C=35
7.00	+ whites C=		
NOTES			

132-233 • WK 20