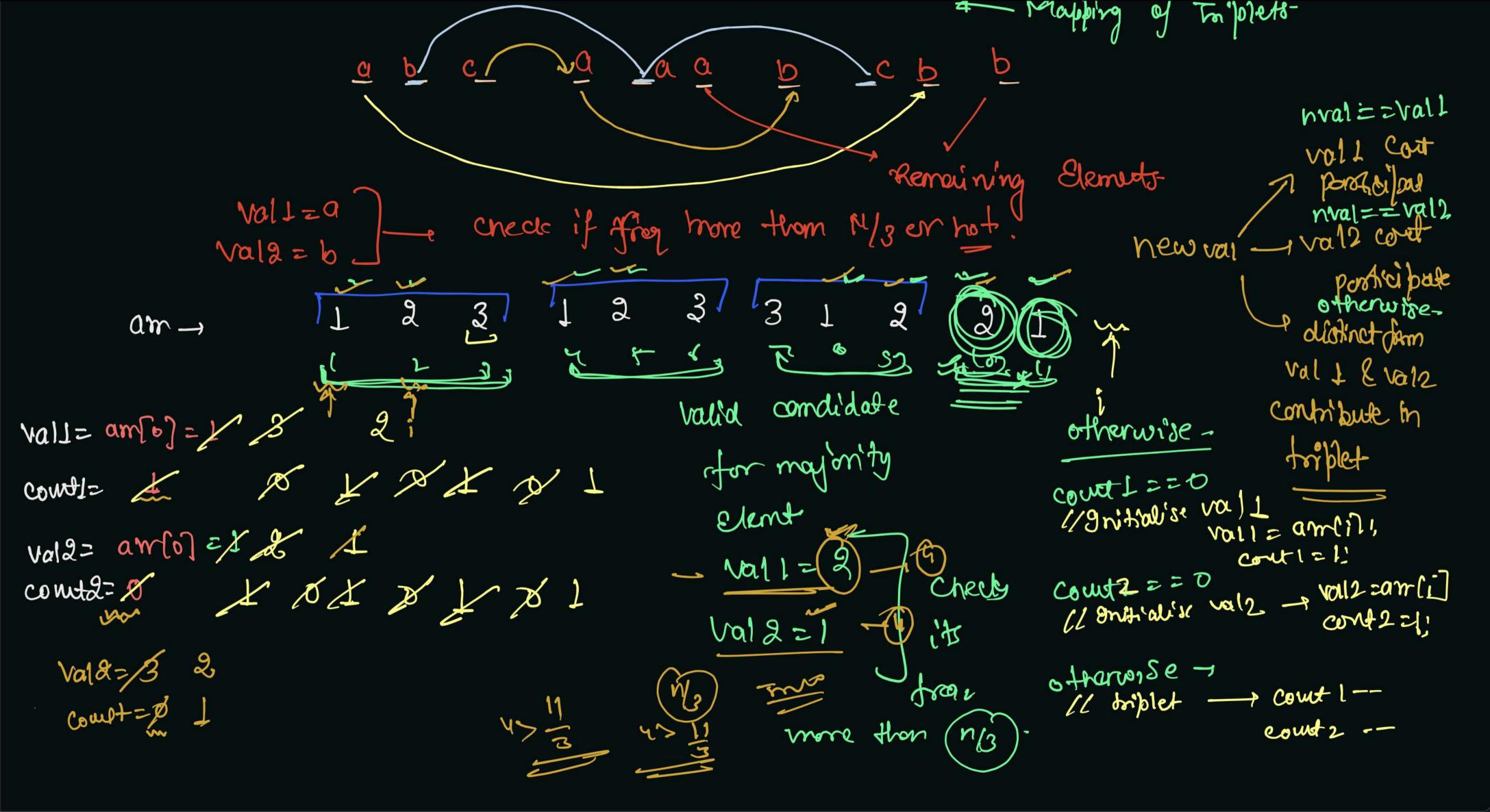
Majority Elem	nent - II						
Tuesday, 31 August 2021	8:42 PM						
		N/3	Elem	ent which	house more	ethan N/3	Self Readling.
am -,	. 1	2 3	1 4 1	. 7 l	19	6 8]	problem Introduce Thinking
		(Z) N	(N/3)	Allowed		Freg.	- Explomation
	1/2	2 19		HILOWEG	11. 4.	AC-1	
				time	complexity	- 0(n)	code, Ja
		Z= 8X1X	23	8 pace	complexit	y -10(1)	with hash mak OCD
		2 element	واداريمهم	Hint -	t Triple	+	
			C	Q Ca	uts Time	Majonety	Elemet
		whileh ha		2 1	.1	1x N/	2 freq
		exactly	n ₁₃ At	- max	<u> </u>	net n	+h = n-
-	- e 10	ore his	2	Spurts	pet		
			mone	n/3 fre		coul <	ny :- 1 Elemet
							1 1 1 1 1 1 1 1



am-1 1 1 2 3 2 1 1 3 3 1 2 m 3 4 5 7 7 7 1 2 m 3 4 5 7 7 7 2 m 3 4 5 7 7 2 m 3 4 5 7 7 7 2 m 3 2

vall= am[0] = 1 count1 = 12 12 22 23 val2 = am[0] = 12 23 23 count 2 = 12 2 2 2 2 3 count 2 = 12 2 2 2 2 3

checc

val 2== amli)
Cout2+f!

elect court = 20

Court 2 = 0

val 2 = amci)

court 2 = 1

otherwis
court 1 --
court 2 ---

2 3 123

Next Greater Element - 3 Thursday, 2 September 2021 9:59 PM		greater 0/p-1	231
	set of digits - > >1.		
all permutation-	$-\frac{213}{2}$	gnfut <	possible growth mober thoma given
→ 1 2 3	Linext gr	coller	nput
— ₁ 3 2			
- 2 L 3	9 none as ling	3	min of this set is output
- 2 3 l	order		autput
3 1 1			ا ک
3 2 1		p next greater -	10/p - "212"

gneressing order possible nuber 213 Smallert String n -+ verlag some digit -L23' num bor-Decreosing order possible number = From 821 using digit digit Most eignificant digit Number grouder og (G) ceil 8maller which com on which we point grander Smoller com make Greeken Replace ranko point! My Elemett SI R Ceile M Law

After Replacing with ceil -8hblt 8 - tugne point Replace with ceil of Right part Sman. max form next greater?? of 7 4 3 2 21 HE was few greater ! hert gealer X 312[magen 7 Reverse (Right post) 214 [max] < 215 [m/n/m] 21 (987) 1210 [289]

4 3 2 1 dip point 9 normanie Rotun Steps of Algoritm. horoder 3 rdux-1 If find point from which we can 0 1 72 3 o(r) sweets cligit to make next greater. number-Element - X - p 9f no is already in maxifron 2 Stoop pointed about from its ceil Portsible is possible, o(1) from Right parot. CSD4 GCD dip - (2) Reresse Right part to male it Swap (2, 1) gndex male n'get part as min possible no. Ceil- (8) Sydia (4). Convert this from rumber-2 226 Reverse from diphty 21 to end Ceil-s qualifie d Min. -e 456 12278 Complexity -1 O(2n) = O(n) factor growth ram. from

How to find max and evend max? in Strope gleration wo way max = - 10 X 10 Smax = 760 8 4 6 4 9 if (am[i] > max) { 5 detrad by - Smax = max; C. max-e to In 8mar 79 Jerregle max = am[i]; } use if(am(i) > smax){ - Smax = am[i]! Enmilorly find max and min min1 mine mins