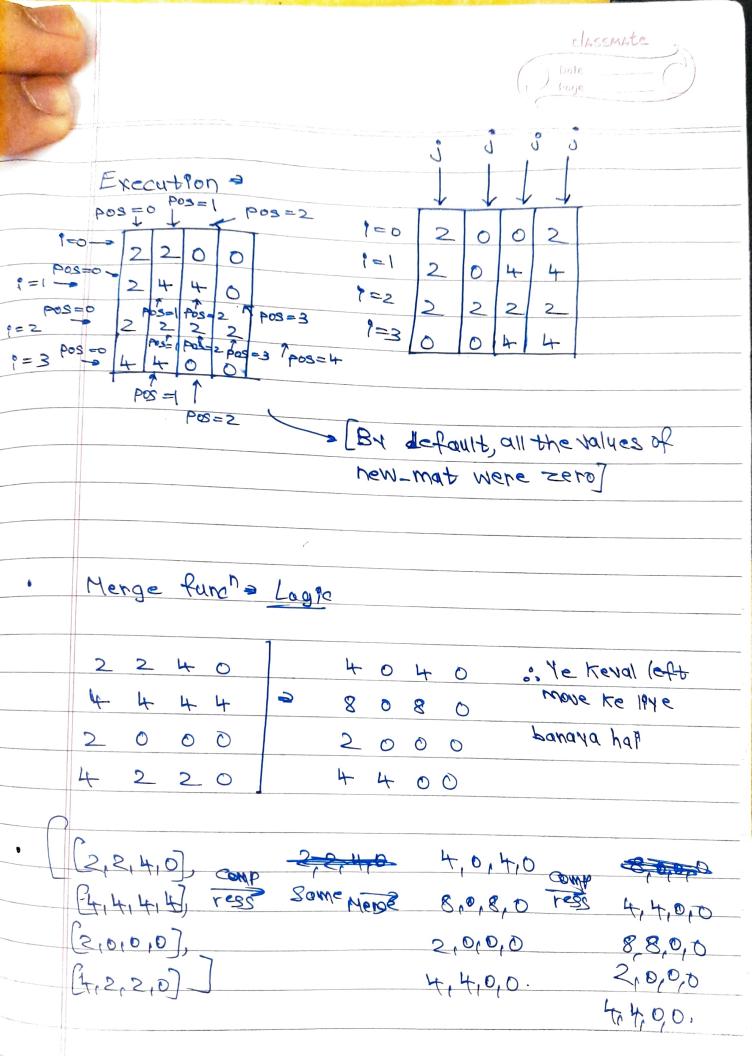
2048 game · In get_current_ State function = Moun 16 16 12 4 16 4 0 32 \$2
 4
 32
 4
 64
 4
 4
 64 8 0 8 128 \bigcirc Domi MONN 12 0 16 32 16 of fif consecutive elers are \bigcirc 0 equal, they can combine, creating 8 128 a vacaincy (1'e. 0) = Game Not over To avoid endex error en 9+1/1+1=

PTO

1st check for 3x3 Page 3 2 0 8 2 4 64 2 32 16 - Lost Column 256 512 2 128 4 2 4 New check for Last Row and Complete et à Pure end Compress function tak jayenge If I 0 make a 4 left 400 Move 0 4 4 0 0 0 8 Compress Fir Combine Karo] 0 Much casier 0 to Reach :. Group Non-zero ele's together 4 0 0 End tak le igo

classmate



Reverse funch Logic -

$$\begin{bmatrix} 2 & 4 & 2 & 0 \\ 0 & 4 & 4 & 2 \\ 0 & 4 & 4 & 2 \\ 2 & 2 & 4 & 4 \\ 4 & 2 & 4 & 2 \\ 4 & 2 & 4 & 2 \end{bmatrix}$$

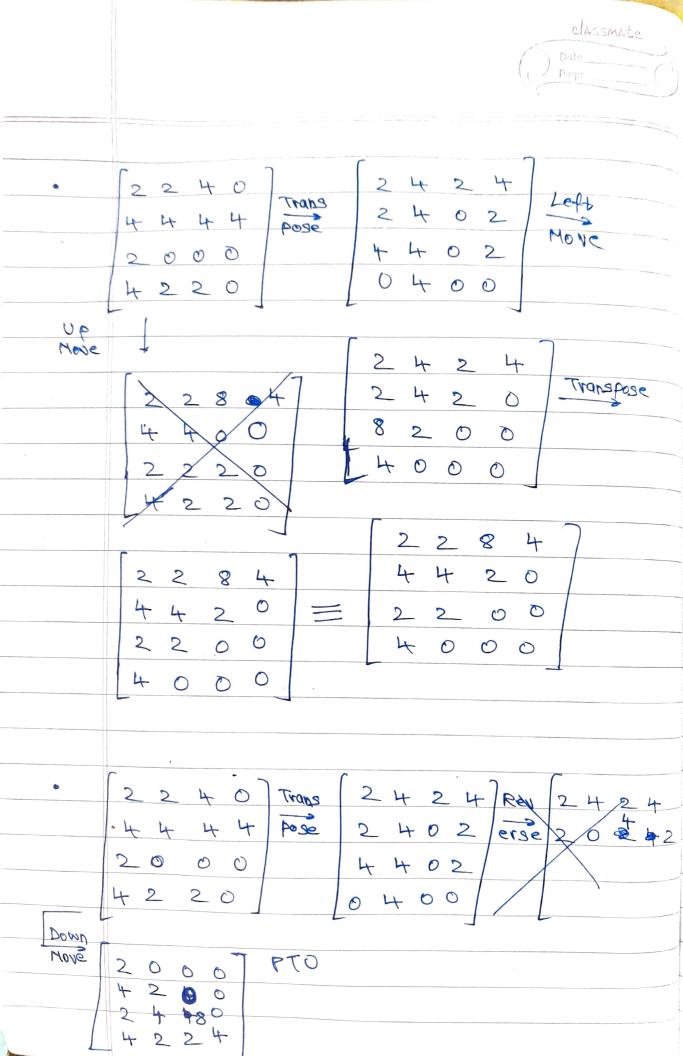
:. Same
$$P = 3$$
 $j = 0 \leftarrow 3 = 43$ $j = 1 \leftarrow 3 = 2$ $j \Rightarrow j \mapsto (4 - j - 1)$

For each now, we add a new 19st and when we are working on the column, we append elements into the 19st

Append elements while working on column

classmate

1=0 Transpose Funch j = 3 j = 2 mat [:][:] - mat [:][i] new-mat= each column new-mat [:] = Append eleng when you are going through, 0 0 0 0 Right 0044 More Right Move Ang PMPF O



Reverge

Left Move # (Cast Pages) UP Move

2	0	0	2	COMP	2200	Mer	4000
2	0	4	4	ress	2440	ge?	2800
2	2	2	2		2222		4040
0	0	4	4		4400		8000
		Lep	+ ~				

Compress

1 000

2 8 00

4 4 00

4 4 00

8 000

8 000

Down	More							
(/								
(A-		4				4	1	
		4			Down	0		
		0			Move	0		
		0				8		
						-		
			(nate	toose		1		
	<u> </u>		Re	NELTE	0 0 4	4 Left	90 1	o o Re
0 0 0	8 Tra	22			0 0 4	How	00	00
000	Pag	e 0		Λ_{∞}				
		0		ADB				
		8						

We need to do all this because Merge function only merge consecutive elements = 23t Aut all non-zero elements at one place so that Merge can funct properly, now apply Merge but now zeroes but me create ho gaye but now zeroes but move Karne to bad hor-zero no. extreme left pe chala jata har occupres again so that non-zero no extreme left pe chala jaye

Change or Not

11					
	0	0	0	D	Right
	0	0	0	2	Nothing Will Change
	0	0	Ð	2	Move 100 ming Will Change
	0	0	0	0	2 Goesn t come

Down | Left 0000

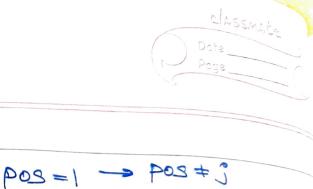
Move 2000

0000 2000

0000 4 New 2 comes at Random Pos'

Here Merging Dine but Compressi Move left change ho gaya but Yaha 2000 Merging nahi hui Move 0002 2000 Left - Happened 0 0 0 0 0 0 0 0200/ += change happened 000 In form of compression 2 Inserted at Random loc 1 charge happened 200 4000 Move in form of Merging 0 0 0 0000 Left 0 0 0 0000 0000 0 00 2200 4000 Compress 0022 Merge 0000 0000 0000 0000 0000 0000 6000 0000 00000 Change happened in form of (M and C) both

classmate



Compress Change

j=2

20 2200

2_
+