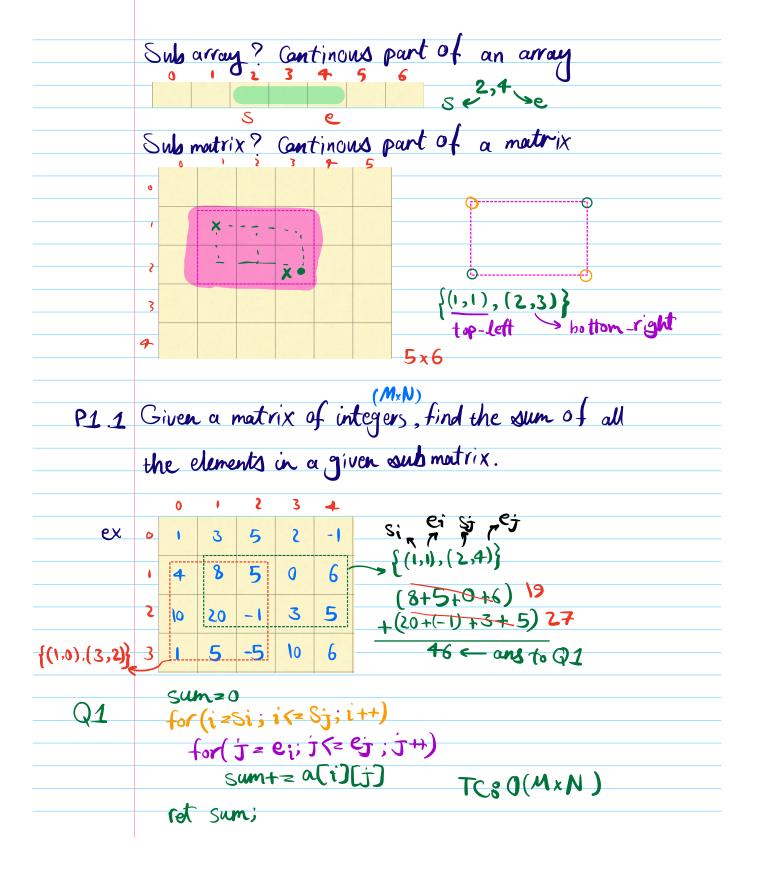
7:05AM IST

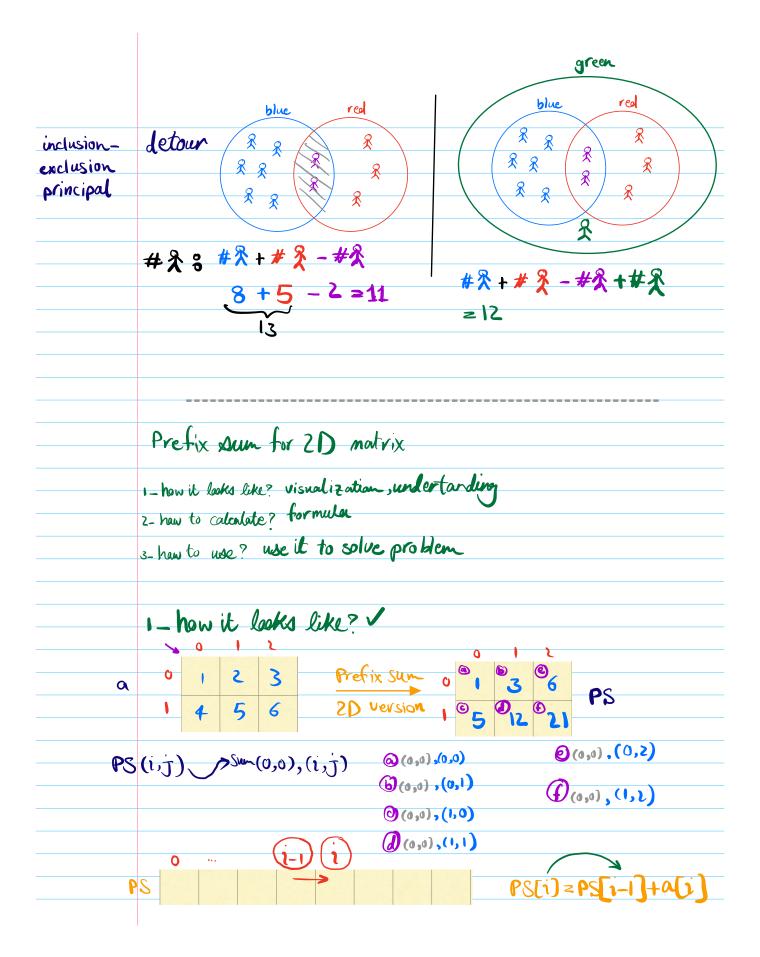


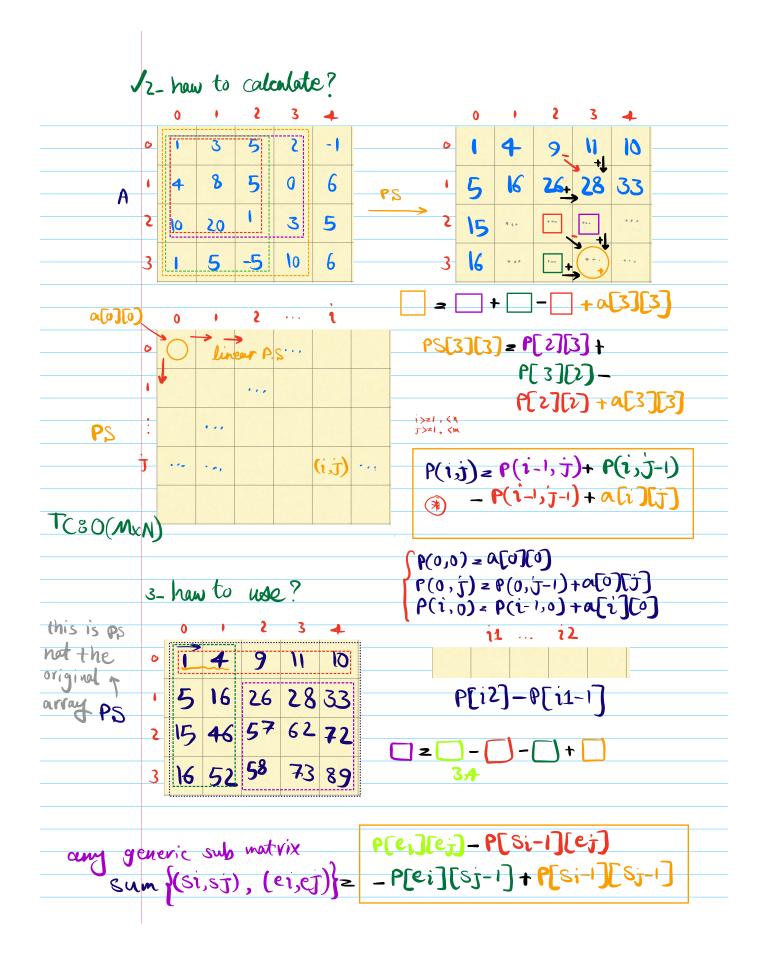
20 arrays 3

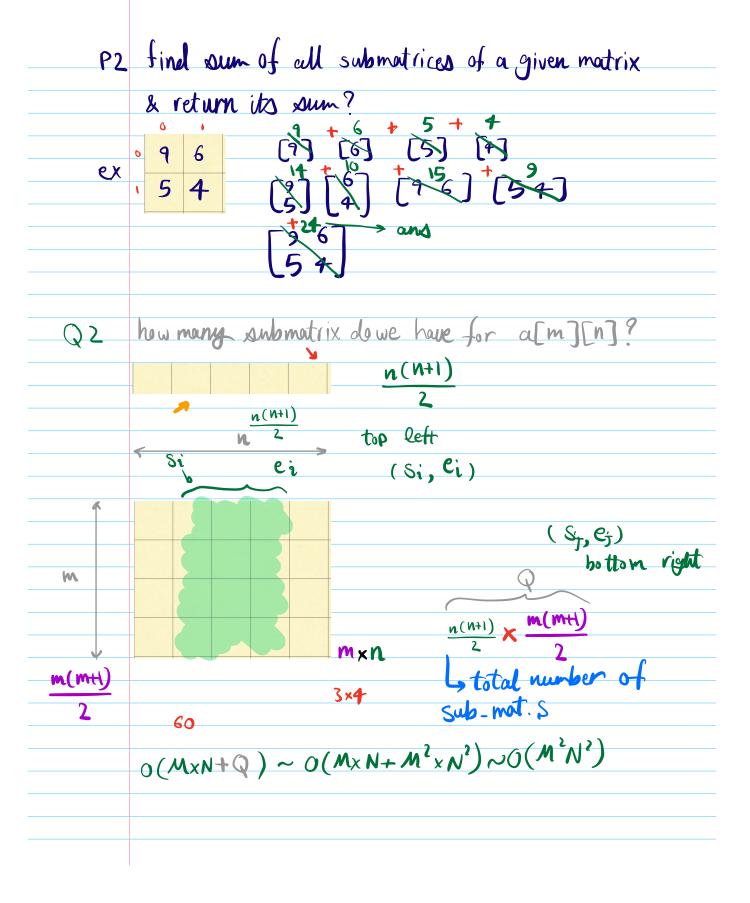
- 1-sub matrix sum queries -> prefix sum 20 version
- 2_ sum of all sub matrices
- 3_ Maximum submatrix sum in Rowwise, Colwise sorted matrix
- 4 search in Rowwise, Colwise sorted matrix

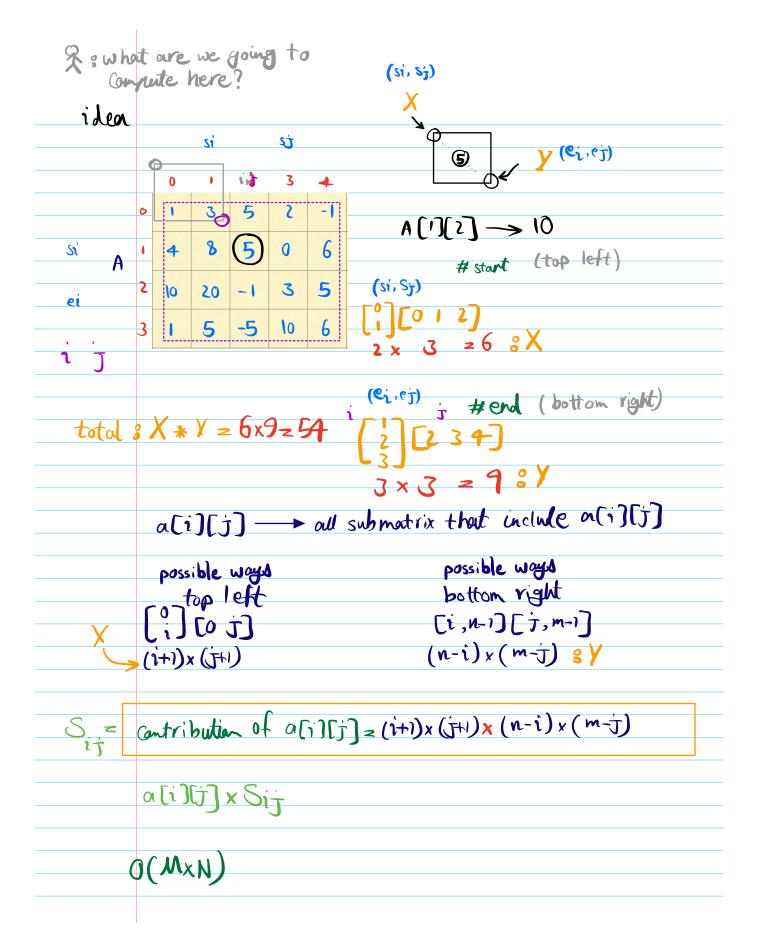


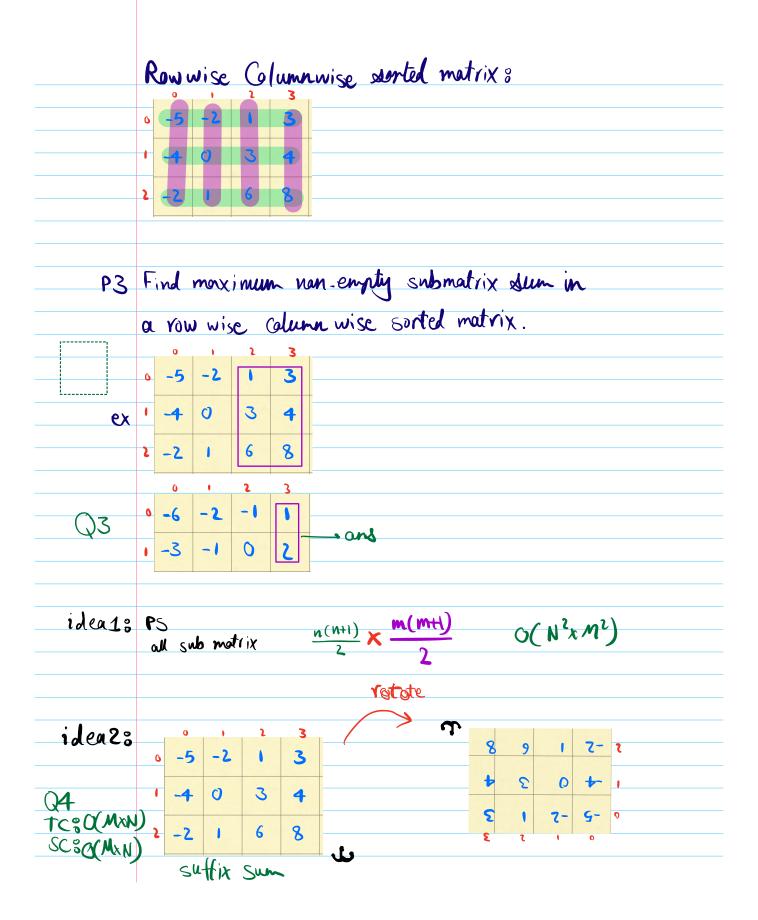
P1. Z		-ive	n a	mat	rix	of i	integers, find the sum of all
	t	he	elen	ents	for	mu	Hiple submatrix queries.
		0	•	2	3	4	
ex	0	1	3	5	2	-	brute forces
	1	4	8	5	0	6	TC: O(QxMxN)
	2	10	20	-1	3	5	
	3	1	5	-5	10	6	similar idea to P.S.
							in 10 to optimize











true/false P4 Check if a given int is present in a row wise column wise sorted matrix. ex1:4 / ex22-4 V ex3:-3 X 8 ideal O(MXN) 0 Smaller idea 2 ex 8 O(M+N) Q5 8 2 -2 TC8