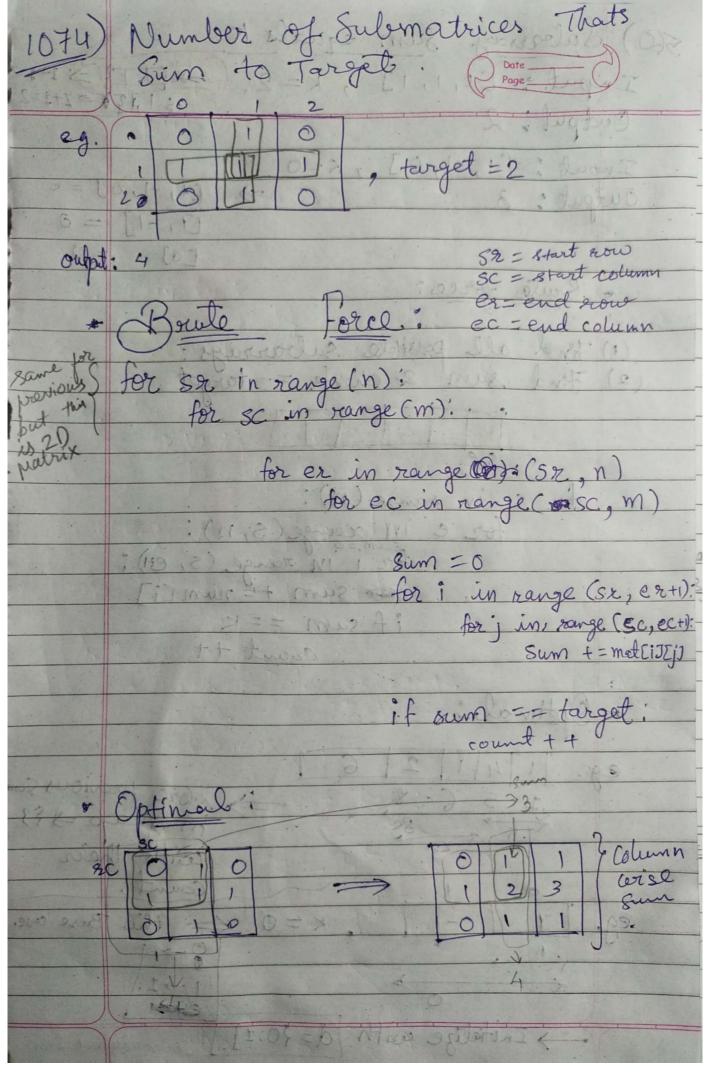
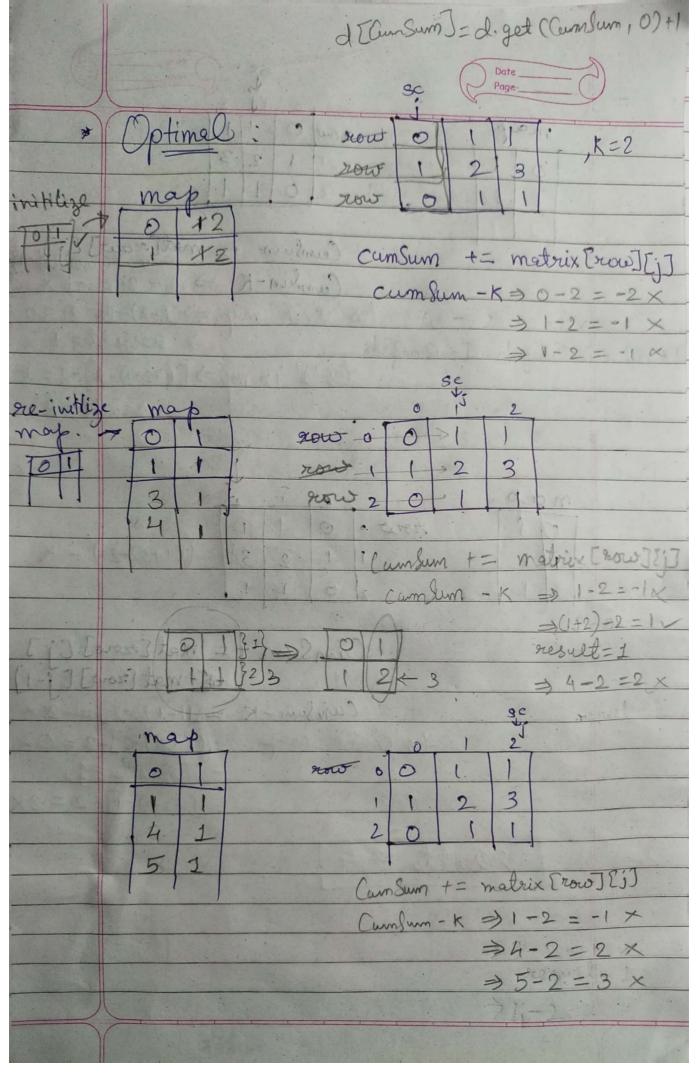
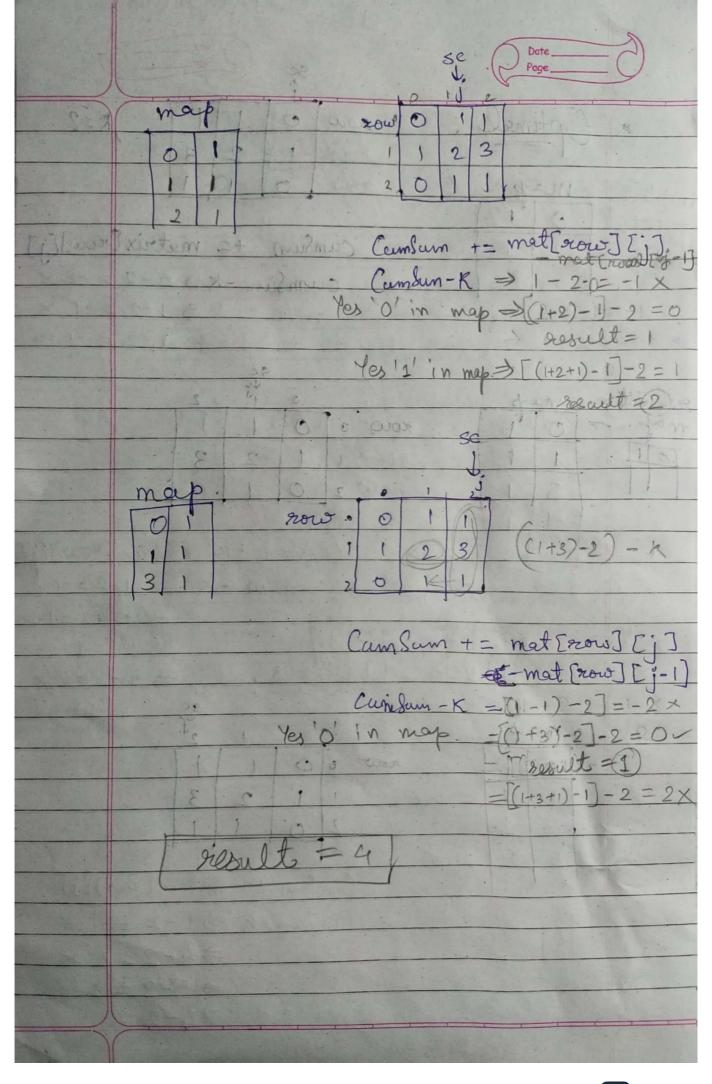


classmate * Prefix - Sum technique: Cumulative Sum -> subarray sum equals k
-> make sum divisible by p -> continuous subarray sum
-> contiguous array
-> maximum size subarray sum equals k ans = 0 profix-sum = 0 d= \$0:13 if K-K=0 d [prefix-sum] = d. get (prefix-sum, 0) + I d= {0:1,1:1, 3:19







def num Submatrix Sum Target (matrix, target): rows = (on (matrix) cols = len (matrix (03) # first take the cumulative sum now fort r in range (rows); for c in range (1, cols): matrix[r][c] += matrix[r][c-1] # Now, you need to find the No. of # Subarrays with sum k" in # downward direction. result =0 for start(o) in range (cols):

for Eure(o) in range (star(ol, cols):

find all sule matrices sum

concept of 'No. of sulvarrays-" mp= {0: 14 cumsum =0 # Go doonwards now wise for r in range (rows): cumSum = matrix [r][curso] - (matrix [r][starCol-1] if start(ol >0 else 0) if cum Sun - target in mp. result += mp [cumsum - target] mp [aumsum] = mp.get (cunsum, o) return result.