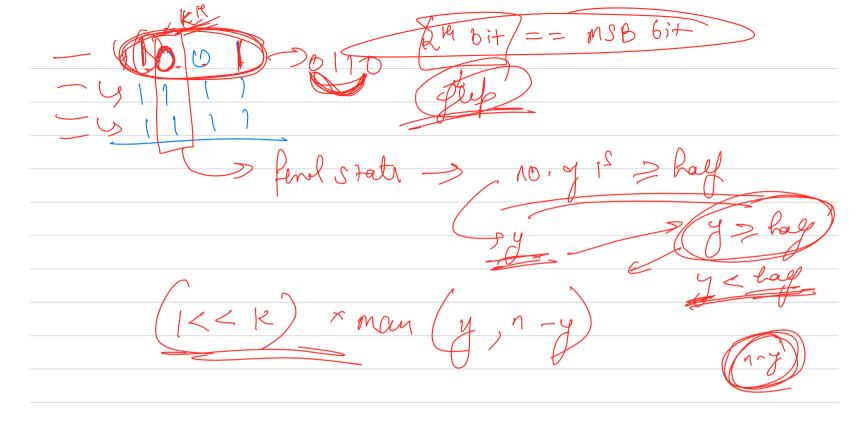


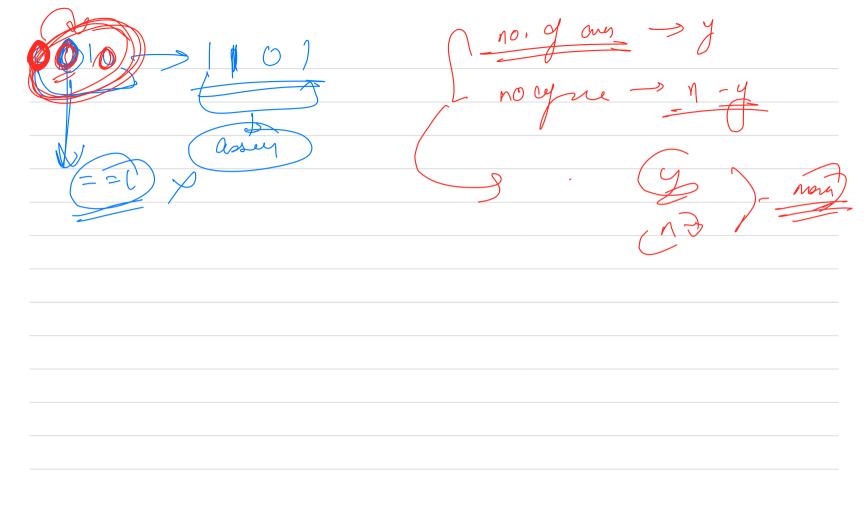
12 You have a benary 2 d array. You can perform one operations on the rows or the columns. Operation: filip the values i.e. make 0 -> 1 on 1-> 0 You can peuform the abor operation multiple times. Atthe last, treat each row as a complete binary no. convert it to decemal & Sum it up find the man 

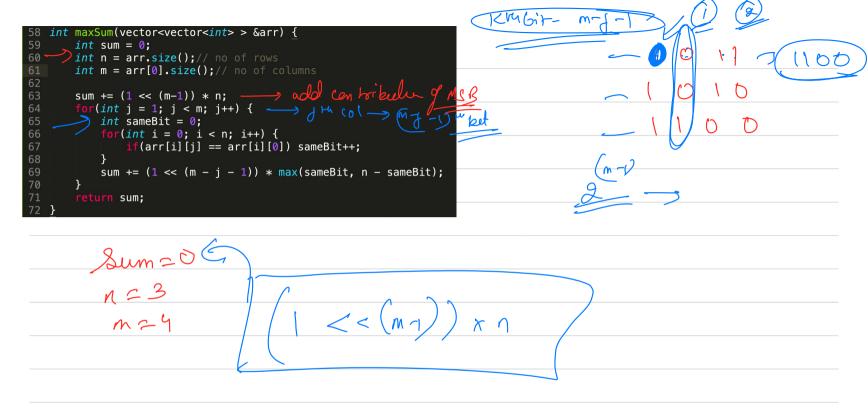
( only zeroes and b) => make cach sow to contribute as much as possible. We don't have no. of Operation. Brutface any restriction the of the MSB

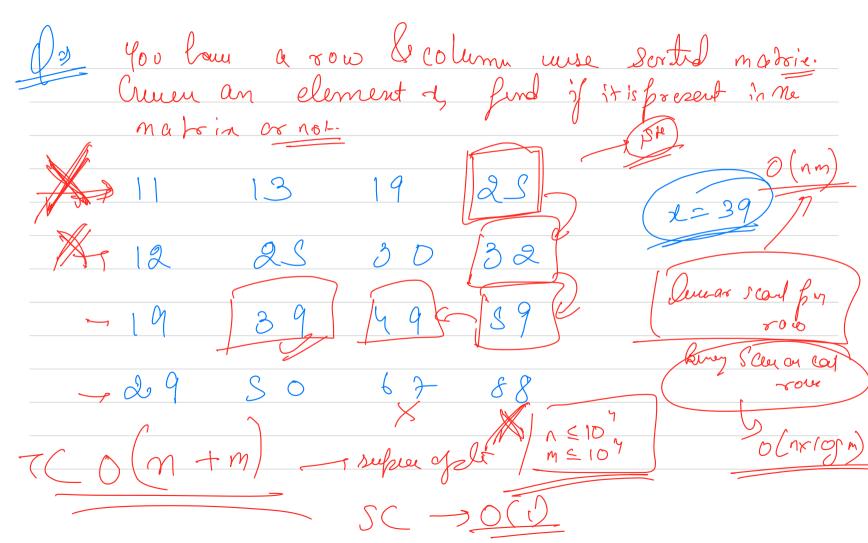
If we want to tend our rows to glue now contribut the me MIB Should be 1 > If the miss of any row is not only o flep the row 5 from right to left the more ones me can get the layer value une well entract

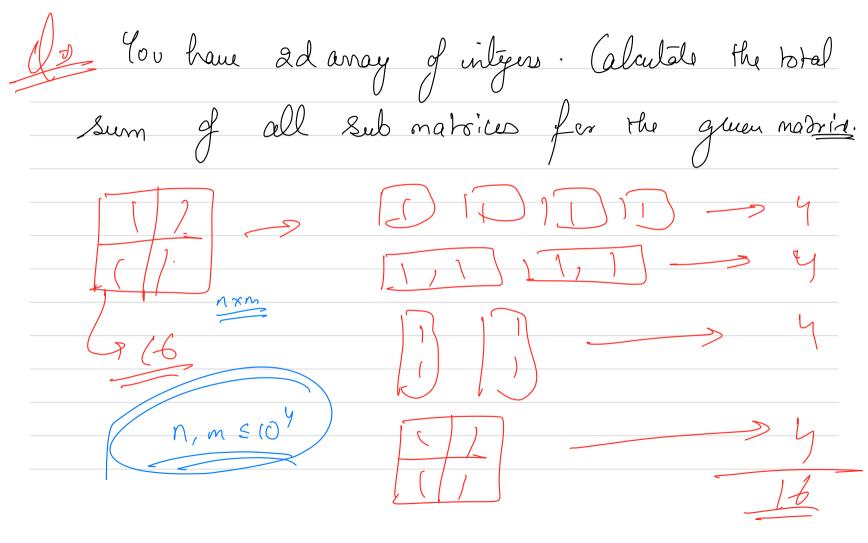
Row operater -> Should only close MSB 101. would flipping any column for internal but, of we have more than half sits as 1, then don't flip. Instead of actually fleppey the bels, we can cale then final contoibule duetly. (Bitmankeelate (may (y,n-y)



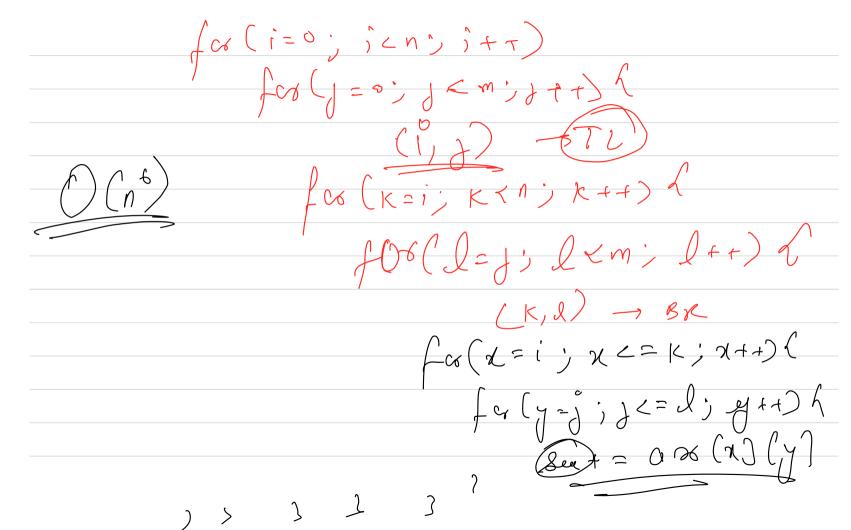


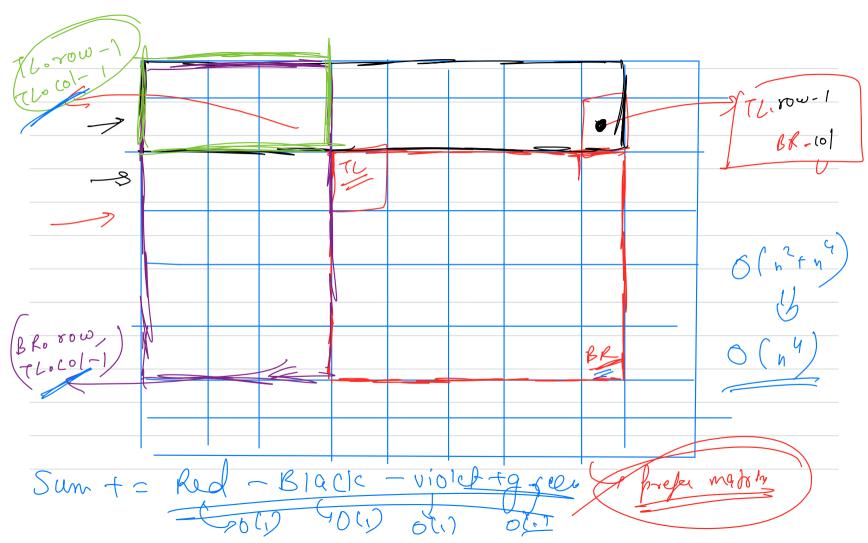




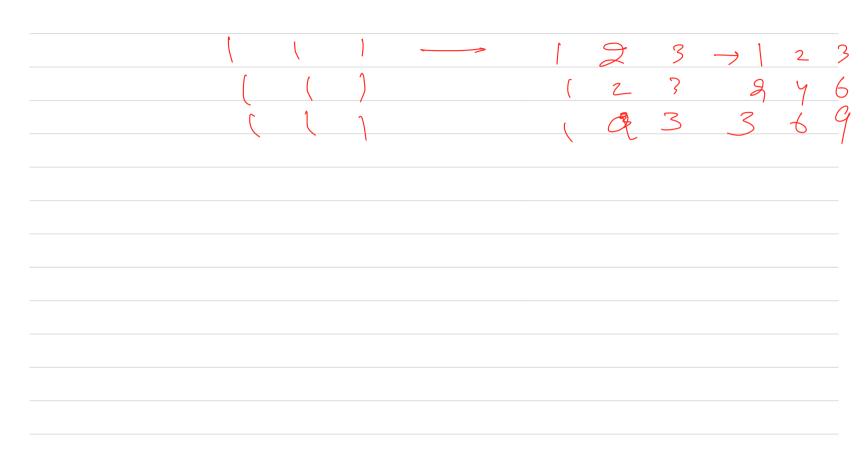


Boutford -s (ale all subandoices -> & Sie men is all freshor K,f





foefer su! Cewloli See 2



Total Subnet

To (x+1) x (y+1) 2(14) an [noly) 8-375

2 reasons -> You go to all sub neutri-> Jou au cabulate overlakky part -> instead of calculaty overlappy cell or any Sogne Can use instead calculate the no. of subsulvices the cell is a port of ??

Cabillet and [n] [y] x (could of Subness)

O(1)

O(1)

O(1)

Vo Creuen a 20 matoir, cfinligers, and you have q queries, where in each quey you get 4 intgers 1, j, 12, y2 - denoting a seedmatris. for each query reliers the Sum of Submatria.  $\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$ poefen sem opprod 9 \ 10 6  $\begin{array}{ccc}
\left( n^{*}m\right) & 9 \rightarrow O(1) \\
\end{array}$ ( ) (n+m+9)