BS on 2D arrays

① Row with max ones — $O(n \times m)$

#BF - iterate through each row in the matrix
- count no of 1s in each row & after counting each rows 1s now update max1(max 1s row tracker)
- then again reset count of 1s to 0 for next row & repeat for all rows
- & return the row no & its count.

#OP - basically traverse through the rows using a for loop
- and send each row as its own 1D array to count 1 function
- get count of 1 in that particular row update max1 & row tracker of
- & then return row & count of max1s

$O(n \times \log m)$

②&③ Search for ele in matrix i & ii
- traverse through each row & send each row for binary search.

$O(n \times \log m)$