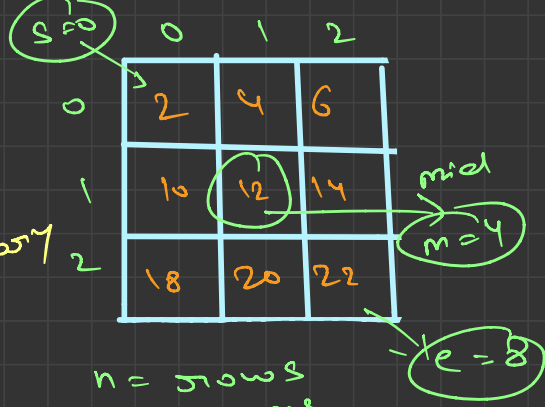
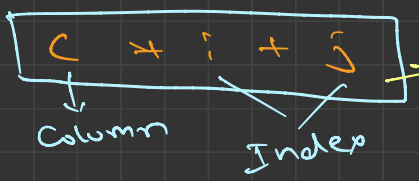
Binary Search on 2-D array



2-D → 1-D Conversion



n = rows
m = Colums

How to find rowIndex & colIndex with the help of mid;

Col = 3

rowIndex = mid / Col

=> 4 / 3 = 1

colIndex = mid % Col =>

=> 4 % 3 = 1

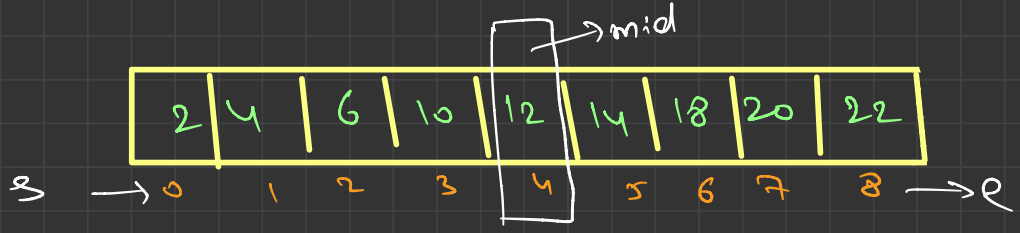
s = 0

e = n * m - 1

n = 3 ; m = 3

e = 3 * 3 - 1 = 8

m = s - e / 2 = 4



arr[1][1] => 3 * 1 + 1 => 3 + 1 => 4

mid