GFG - Seauch in a Sorted Matrix I/P: 10 20 30 40

15 25 35 45

27 29 37 48 y:- IP: 10 20 30 40 50 60 n(= 55 N=58 Of P: false, off: True Naive: - iterate though each clement & compane it with x.

TC=> O(RXC) Mythought: - (Efficient) - Staut from top right councer - if x is some than eventure true - if m is smaller then more left -> if a is greater then now eight.

-> twither => if top left is greater or bottom right is smaller than x => return than x => return false. while (ick ld j>=0) if (mat [i][i] == x) Pehren True else if (matrissis) i--; when false;