Search in 20 Matrix I target=34 16 20 30 | 34 | 60 · each row is sorted in ven-decreasing order · The first integer of each row is greater than the lost integer of The previous 10 m we can do linear cearch STC=O(nxm) but re rent in O(log(mxn)) ive an apply binary search now har et row ta jo range hai

Lest enal) will be unique

and corpare with torget

and the range is non over lapping / unique

range (1) Search voireet row BS -> rovs SP = 0, eP = m - 1lext elevent from (20) mide=sr+ (er-sr)/2 (i) midt => target enists mat [nidk][0] = < tar <= mot [vidk][n-1] (1) tar > nort [mid R][n-1] SP=mid+1 (ii) tar a most [wide] [0] ER= mid-1 (2) After finding correct vow, now search correct column BS - 20/ung St=neut[midP[0] end = net [nidk][n-1]