

pouameter i, j, mat, n, m

target (n-1, m-1)

if
$$(\hat{x} = -n - 1)$$
 return true;
/[out of boundary
if $(\hat{x} < 0)$ | $\hat{x} > -m$ | $\hat{y} < 0$ | $\hat{y} > -m$)

if
$$(1<0)$$
 | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ | $1<0$ |

mat[î][]=2;

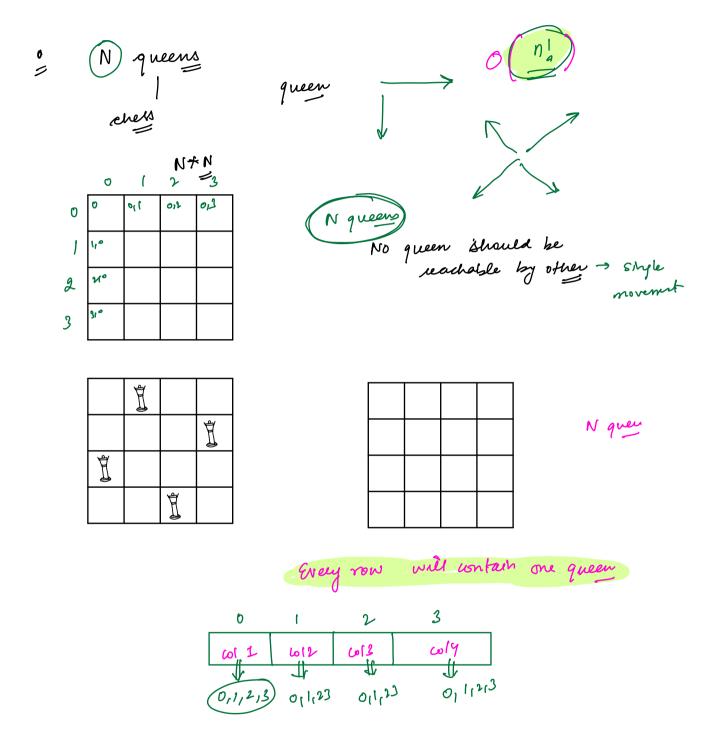


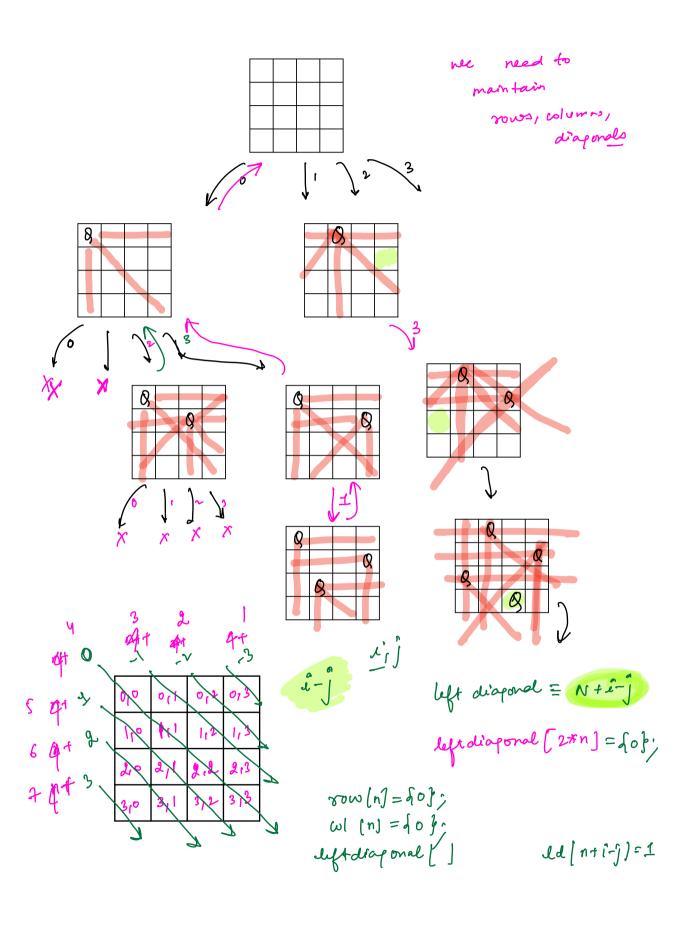
check (i,j+1.-) 11 check (i+1,j)

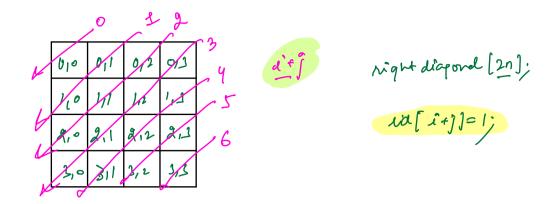
x (0,0) (0,1)

T.C. nxm

3-C: (n +m)







```
paeameters
Nquees (inder, coll, ldl), edl), mat[111, N)
             if ( index == n) of // peint retur; )
              for ( j=0; j<=N-1;j++)
                    if ( rol[j] == 1 11
                         ld[N+index-j] == 11
                         ed [indy+]]==1)
                            continue;
                     mat[mdex][]]=1;
                      20/1/15-17
                      ld[N+index-j]=1
                      rd[ index +j)=1
                       Nqueen index+1, ....);
                    mat[mdex][]=D;
                     co1115=0;
                     ld[N+index-j]=D
                     rd[ index +j)= D
         7
```

0			1	2 (و المالية) 4	5		7 8	1	sudoku (9*9)
	0	5	3	生	2	7	(6)	9	X		
	1	6			1	9	5		<i>\'</i>		(1-9) no no in
	2		9	8					6		col /now should expect twice
)	8				6				3	espect holce
	4	4			8		3			1	calme.
	5	7	1	3		2				6	solve!
	6		6					2	8		
	7				4	1	9			5	(mat()()
	&					8			7	9	
$c = \frac{\text{index}}{q}$ $c = \frac{r - r^{\circ}}{3}$ $sc = c - c^{\circ}/3$											
sudoku (ut midex, int mat[II]) if (undex == 81) f // got your and return); out r = Index / 9; c = Index =/ 9; if (mat[r][k] = 0) f sudoku (index +1, met); f returns											
for (inf $x=1$; $x < = 9$; $x + t$) Now x if if $x < x < x < x < x < x < x < x < x < x $											

 $um \rightarrow v-r^{2}/3, c-c^{2}/3$ sudoku(modex+1, mod)); mod(r)(c) = 0; $T.C. o\left(q^{n+n}\right) q^{8}$ q^{8}