

1		0	0	0
100		10	0	0
C		100	0	0
0	1	10	20	<b>Q</b> 4

winited 2-D Array

(1) undex unide an array

1 is present on not. not misited

(0,0) -DURU wisted[1] [0] = + sue (110) -> DILIBIU Juisited [1][1]= true (111) -> DILIRIU 1 visted [2][1] = true.

(211) -> D/L/R/U.

to +wisited (3)(1) = true (311). -> D/L/R/U,

1 minted [37 (2) = true

(3,2) -D/L/B/U

wisifed[3][3]=+>m.

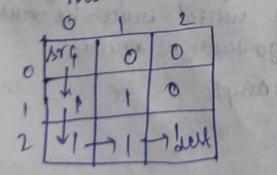
safe () (3,3) -> p

Boc (dust reached)

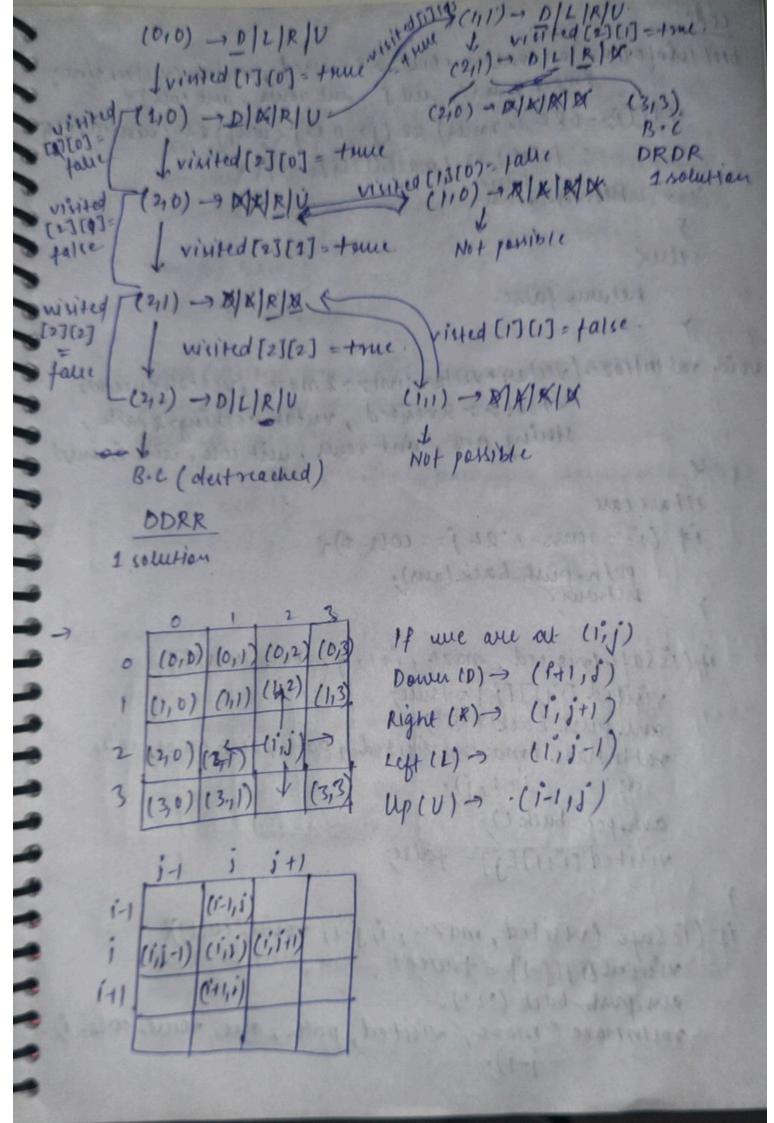
DRDDRR -1 1) rolution

mother Example

one me have marked mitted [1]]] = tome much returning book me need to mark it it witted [17 (i)= false because me need to find all possible selutions if virited removin time ean't gotron there



1 1111		73 X37,	N. Car
aps 1	11	0	0
20	O	200	0
you	0	XXXO	MO
1	MI	ited.	



```
Code
6001 islafe (nector cinatton (6001>> enisited, vector «vector «int».
emaze, inti, unt j, unt rouer, unt cole) ?
      'f (((iz=08e iz sour) 88 (jz=0 88 j 2 wh)) 28 ( wisited [i] 6
               == false 1 &2 (maze(i)[j7==1)].~
            refuer falsi;
          netwur false;
word rout in Maze (verten everton einty 72 maze, verton evertues
                  < bool > > 2 visited, vutos estring 2 path,
                 storing ans, introner, unt cols, unt i, inti)
      11 bass case
      it (1°== rones-1' 2+ j== co 1s-2) 7
           path.push-back (ans);
     it (is lafe (visited, maze, i+1, 7, roms, cols))
          visited [iti][j]=tome;
          vat In Maze (maze, Visited, path, ane, smes, cole,
            母 (十八月);
          ans. pop-back ();
          visited [i+1][j] - false,
    if (is Safe (visited, maze, i, j-1, rows, cou)x
         visited Ii] (j-1] = tome,
         aus. push-back ('L').
         ratin Maze (maze, visited, path, aue, rous, cols, i,
```

```
aus. pop-back();
       visited [i][j-1] = false,
 it(issafe (visited, maze, i, it), rous, cous)
       visited [i][j+1] = true, based and same ) sand of
       auspushback ('R').
       ratinhaze (maze, visited, path, au, rome, cou, i,
       an.pop-back ().
       Visited [i][j+1] = false,
 If (is safe (visited, maze, 1-1, j, rows, cols)) {
     Visited [i-1][]]= +oul;
     aus.push-back ("V");
     ratinmaze (maze, visited, path, ans, roun, cols, 1-1, j);
     am. pop_back ();
     visited [i-i][j] = false,
int main ()?
   int roul, cols;
   con 77 roull 77 cols;
   veeton «veeton «int» z mare (roms, veeton «int» ecou, o)).
   ton ( unt 1=0; ix maze, size(); i++) {
         for ( virt j=0; je maze lij. size (); j++){
              un 77 maze [i][j].
   (maze [0][0] = z 0) 
       cout ex "No path custing
      netwu o.
                    (P. H. O. I , sense, believe) 1/10/21
```

```
Victor ( vectors x 60017 7 visited ( rour, 1 vectors ( 6001) (con, talsoff
   vector esterony path.
   int 120; j=0;
   ratin Maze (maze, visited, path, ans, rous, cous, i, j);
   cout ex "Puinting of final ans "ecendi.
   ton lintieo; iz pathosize().; [++)<
          coutee pathlijee"
                             -2810 1 = 611, O. 5. 1 P. 3115
                     contest promised increased the force
                              - Possible
                    DDRDRR
                                     - ETELLY PARIS
Duy Run:
      visited[0][0]: tome,
   ratinmere (mare, vitted, path, ans, 4,4,0,0)
           0=3 28 0=3 X
```

is hate (visited, mare, 1,0,4,4)

```
(170221(4) 80 (07=0 28 0<4) 20
                               1.13,14,14 ) 1402 M
 Winted[ON[0] = 0
  maze Ci7[0] =
ratinhaze (maze, visited, paths, 0', 4,4,1,0)
 fune.
     1=3 22 0=3
 is Safe ( visited., maze, 2,0,4,4)
 (27.0 18 2K4) 88 (07=0 R80K4) 48
   wisited.[2][0]=0;
   maze [2] [0] = 1; 1 224 - 50] 82
 ratin Mazel maze, visited, path, "DD", 4,4,3,0)
aus = "DD"
 1320 22 344) 22 (07=0°22 044) 22
      3=3 82 0= 3
     Wisited [37[0]=0.
     maze [3] [0] = 10/X
 and is safe (4,4, 1, -1) | falle
    issafe (4,4,2,1)
   (27:0 22 244)2e (1.70 2e 1<4) 2e7
      visited [2][1] = 0 18
             [2][1]=150058) (2(0) = 320 78)
 aus- "DDR"
 ratinMaze ("DDL", 4,4,2,1)
                                    CLUS PORDER
     2== 3 22 1== 3 X
  1s Safe (4,4,3,1);
   (370 28 344) 22 (170 22 144) 28.7
   visited [3][1]= 0 22
    maze [3][1] = 1
```

```
OH "DORID
  au = "DDRD"
   is safe (4,4,4,1) ] falle
  1 f safe (4,4,3,0)
    (37-10 22 3<4) 22 (07=0220<4) 22 tale
        Wisited [3] [0] = 0 x
                 10 20 7 E 3 (h) 8 8 (02-0 0 8 0 6 h)
  17 safe (4,4,3,2)
   (37=0223(4)22(27=0282(4)427
     visited [3][2] = 0 22
     maze [3] [2] = 1
                           2-1-2825
am = "DDRDR"
 rat In maze (4,4,3,2)
    3==388 2==3 X
 18 Safe (4,4,4,2)
    (47=012 4K4) X Jahre Danen
                          (-1 7 12) 2/2 221 1500
 15 Safe (4,4,3,1)
    (37=0 22 324) 22 (17=0 2212=4) &c falle Begge
       wisited (3)(1)=0 X
 1°3 safe (4,4,3,3)
  (37=0 223<4) 22 (37=0223<4) 26)
     visited [3] [3] = 0 2 &
                               "aca" - mo
     maze [3] [3] = 1 22
                          am="DDRDR"
 amz" DORDRR"
                             " DRODRR
rath Maze (4,4,3,3)
  3==3 && 3==3 Time
 path = | DDRDRR | DROBER
```