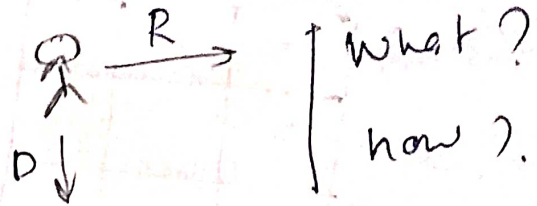
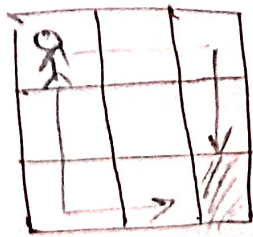


Backtracking

e.g



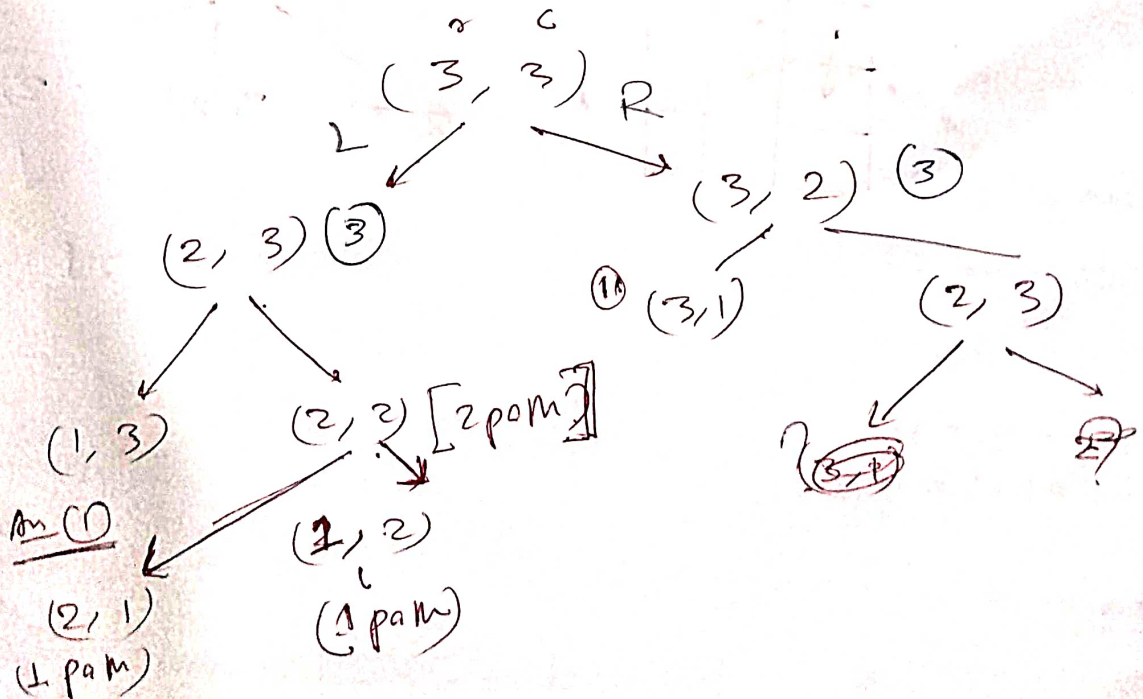
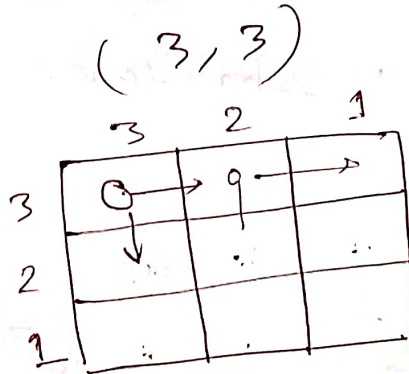
⇒ RRDD

DDR

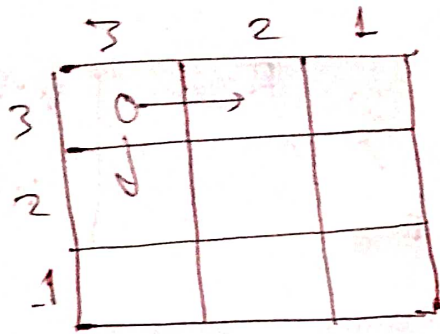
• RDDR / RDDR many ways
to get to gray scale.

$(0,0) \rightarrow (2,2)$.
many ways.

Let's pass the matrix.



Maze problem



→ R

↓ D

(, , 3, 3)

(D, 2, 3)

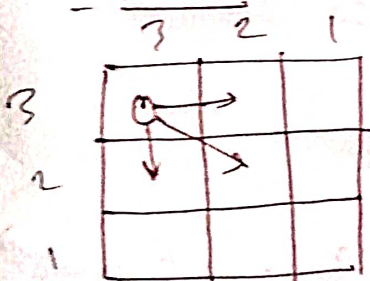
(R, 3, 2)

(DD, 1, 3)

(DR, 2, 2)

→ (DDRR, 1, 1) — base case
Ans

Diagonally



(3, 3)

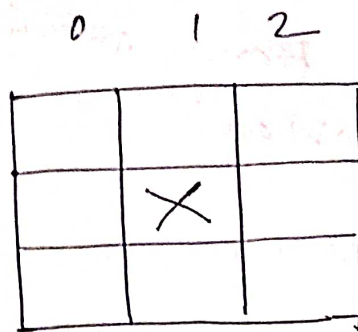
(2, 3)

(3, 2)

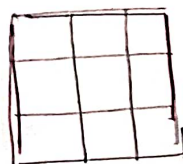
(2, 2)

271 171

9/ maze with obstacles.

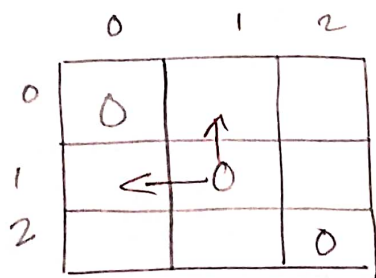


→ here comes the concept of Diagonal movement.



$\text{maze}[0].\text{length}$
 \rightarrow no. of column
 $=$ length of column.

(8)



→ All path.

→ stack overflow problem.

$(\text{ " " }, 0, 0)$



$(D, 1, 0)$

$(R, 0, 1)$

$(DD, 2, 0)$

$(PR; 1, 1)$

$(PU, 0, 0)$

problem.

It returned to the
 same location, from
 where we all started.

→ how to solve this problem.
mark the cell, that we have
visited, prevent it from moving to the cell
which cause the problem.

