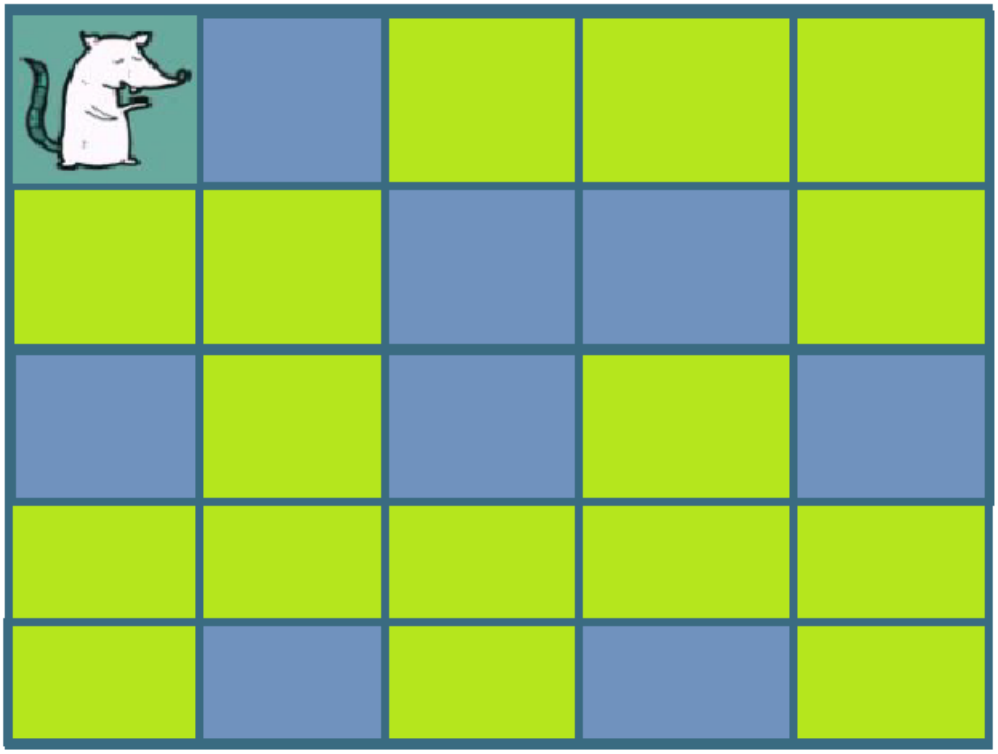
Recursion - (BackTracking)

Rat In a Maze

Problem: Given a maze(2D matrix) with obstacles, starting from (0,0) you have to
reach (n-1, n-1). If you are currently on (x, y), you can move to (x+1, y) or (x, y+1).
You cannot move to the walls.
Idea: Try all the possible paths to see if you can reach (n-1, n-1)



Input:
0 denotes wall, 1 denotes free path
two numbers n, m
Next n lines contain m numbers (0 or 1)
Output:
Print 1 if rat can reach (n-1, m-1)
Print 0 if it cannot reach (n-1, m-1)
Test Case 1:

Input:

5

1 0 1 1 1

1 1 0 0 1

0 1 0 1 0

1 1 1 1 1

1 0 1 0 1

O/p

1 0 0 0 0

1 1 0 0 0

0 1 0 0 0

0 1 1 1 1

0 0 0 0 1