In []: ▶

```
N = 4
def printSolution( sol ):
    for i in sol:
        for j in i:
            print(str(j) + " ", end = "")
        print("")
def isSafe( maze, x, y ):
    if x \ge 0 and x < N yand y \ge 0 and y < N and maze[x][y] == 1:
        return True
    return False
def solveMaze( maze ):
    # Creating a 4 * 4 2-D list
    sol = [ [ 0 for j in range(4) ] for i in range(4) ]
    if solveMazeUtil(maze, 0, 0, sol) == False:
        print("Solution doesn't exist");
        return False
    printSolution(sol)
    return True
# A recursive utility function to solve Maze problem
def solveMazeUtil(maze, x, y, sol):
    # if (x, y is goal) return True
    if x == N - 1 and y == N - 1:
        sol[x][y] = 1
        return True
    # Check if maze[x][y] is valid
    if isSafe(maze, x, y) == True:
        # mark x, y as part of solution path
        sol[x][y] = 1
        # Move forward in x direction
        if solveMazeUtil(maze, x + 1, y, sol) == True:
            return True
        # If moving in x direction doesn't give solution
        # then Move down in y direction
        if solveMazeUtil(maze, x, y + 1, sol) == True:
            return True
        # If none of the above movements work then
        # BACKTRACK: unmark x, y as part of solution path
        sol[x][y] = 0
        return False
maze = [[1, 0, 0, 0],
            [1, 1, 0, 1],
            [0, 1, 0, 0],
```

[1, 1, 1, 1]]

solveMaze(maze)