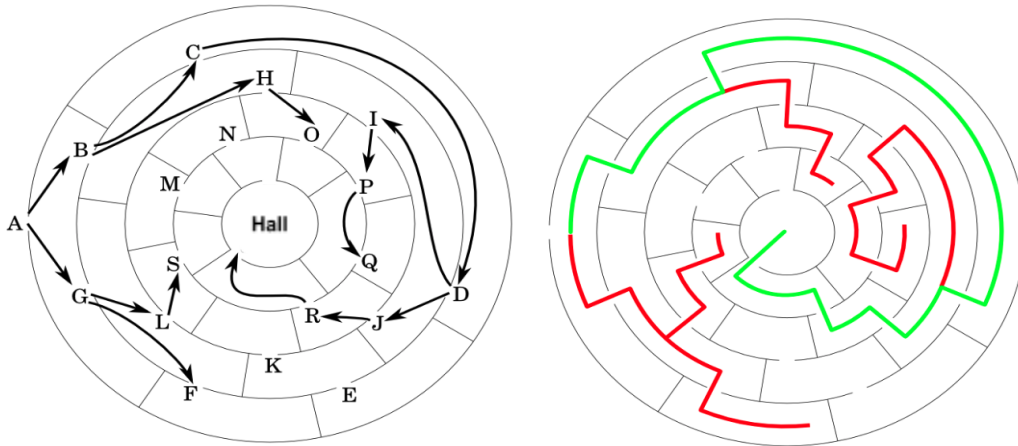# Selected Topics in CS - Assignment 1
Maze Problem

Using depth first uniformed search algorithm write a code to solve the maze problem (how to go from gate A to center hall)

Convert the maze to a group of facts called (move) represent the gates in the maze.

That means you need two facts to represent paths from A
- from A you can go to B
- from A you can go to G

Your solution must be generic that means if we change the moves of the above maze with different moves that represent different maze your code should be able to find the correct path to reach the goal

Query:

Call the goSolveTheMaze predicate to start your algorithm it take two parameter start and the goal

>> goSolveTheMaze(gateA, hall).

The output of your program will be like that:

You can reach to the hall starting from gate A by following this path
gateA -> gateB -> gateC -> gateD -> gateJ -> gateR -> hall

Grading Criteria :

Your code should be compiled without any errors or you will lose 50% of assignment grade, also the output of the run should be correct or you will lose 25% of the assignment grade.

Item	Points
Problem representation (move, state)	3
Depth first search algorithm	1
Uniformed search algorithm	3
Generic Solution work on different maze from give in the assignment	3