ARTIFICIAL INTELLIGENCE (CS304)

Tutorial-4

Questions:

1. 'Depth First search uses LIFO technique'. Justify the statement. Also, provide the reason how backtracking will help improving space complexity in DFS?
2. What do you mean by diameter of a state space search? In which uninformed search it is used? Explain it in Detail.
3. Compare and contrast the following algorithm.Also, comment on their Space complexity:
    a. Breadth First Search and Uniform Cost search.
    b. IDA* and RBFS