Assignment 02

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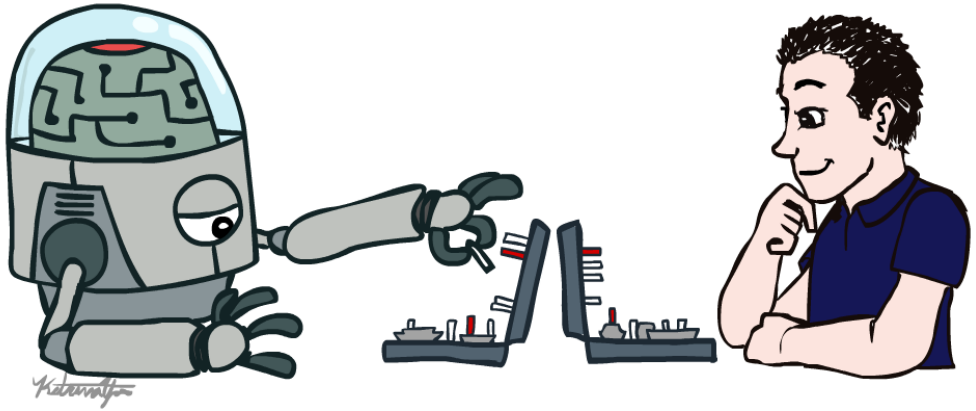

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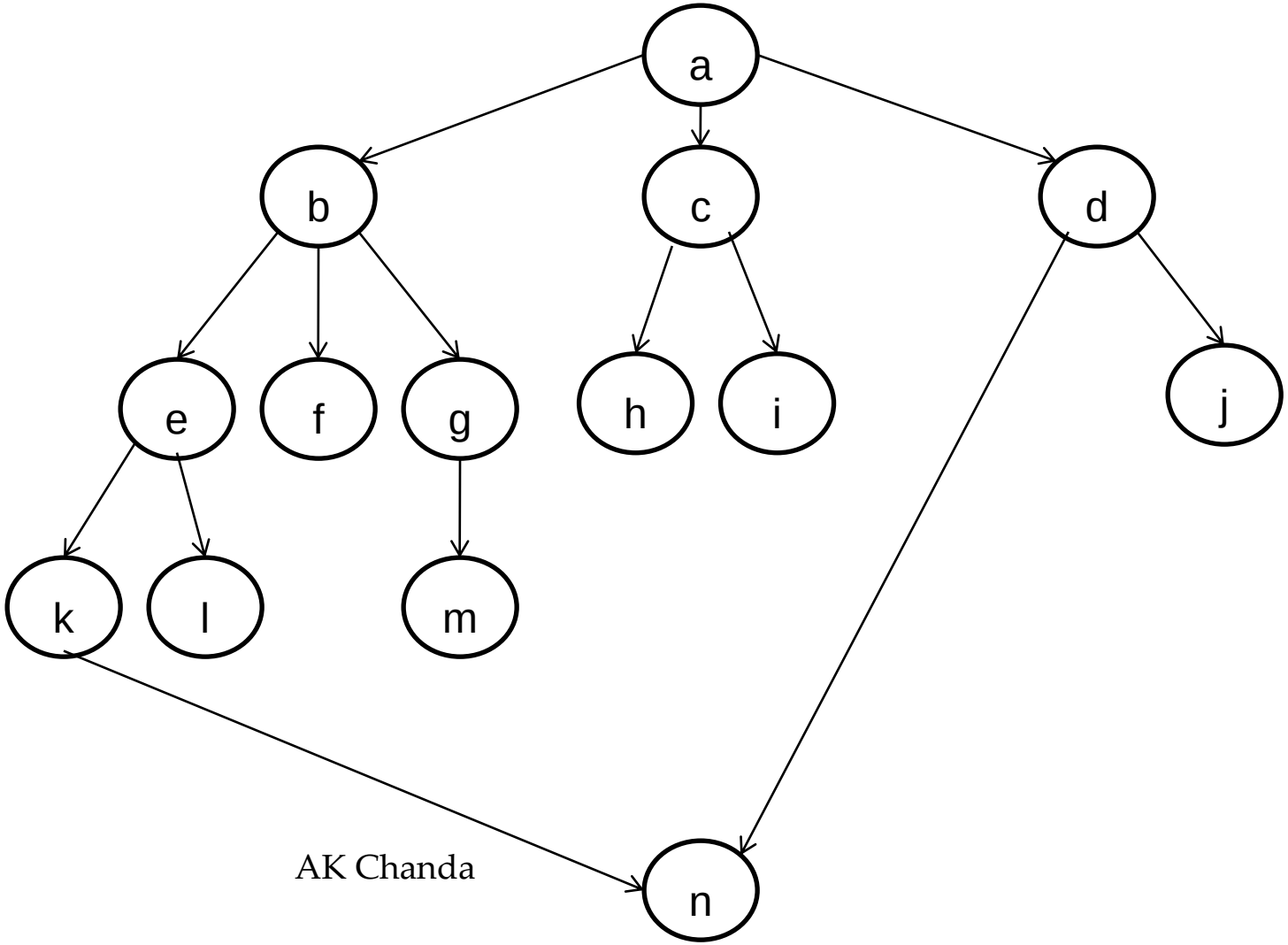
Uninformed search

- Depth limited search (DLS) and Iterative deepening search (IDS) are two strategy for performing uninformed search.
- The search strategy that does not use knowledge about the goal of the search.
- For this assignment, you will implement both search algorithms.
- You should use python programming language to solve this problem.

Assignment 02

Here is the graph you will use to test your functions.



Assignment 02 (DLS)

Input:

<graph>

[You can input the graph as an adjacency matrix or list. Please mention the input type and data at the top of your code]

Enter starting and goal : a n

Enter depth : 2

Output:

DLS: path from a to n is a – d – n

[Look, there is another path a to n: a – b – e – k – n; but it should not be printed for DLS]

Assignment 02 (IDS)

Input:

<graph>

[You can input the graph as an adjacency matrix or list. Please mention the input type and data at the top of your code]

Enter starting and goal : a n

Output:

IDS: path from a to n [depth 1]: not found

IDS: path from a to n [depth 2]: found [a – d – n]