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AI Lab 5

Implementation of Depth First Search (DFS).

1. **WAP to implement Depth First Search for the following graph.**

A B C

E F

D G H

Start

Goal

Other

* **Code:-**

DOMAINS

list=symbol \*

PREDICATES

link(symbol,symbol)

go(symbol,symbol,list)

CLAUSES

link(a,e).

link(a,b).

link(b,c).

link(b,f).

link(e,f).

link(e,d).

link(f,c).

link(h,f).

link(g,h).

link(g,f).

go(X,X,[X|P]).

go(X,Y,[X|T]):-

link(X,Z),

go(Z,Y,T).

GOAL

go(a,c,P).

* **Output:-**

