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Abstract

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AI Lab 4

Implementing Breadth First Search

1. Write a prolog program to implement BFS for the following graph.

**B E**

**A D H**

**C G F**

* Code:-

DOMAINS

list=symbol\*

PREDICATES

link(symbol,symbol)

go(symbol,symbol,list)

CLAUSES

link(a,b).

link(a,c).

link(b,e).

link(b,d).

link(c,d).

link(c,g).

link(d,g).

link(e,g).

link(e,h).

link(g,f).

link(h,g).

link(h,f).

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

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

go(X,Z,T),

link(Z,Y).

GOAL

go(a,g,L).

* Output:-

