The program is written in c++.

Compilation: g++ -std=c++0x 9.cpp

Execution : ./a.out bloc.txt init.kb

init.kb has the initial state and bloc.txt has the operators. run.sh is used to generate the operator file.

**Sample output:**

Enter goals

on(a,c)

Plan of actions in reverse:

OPER puton(a,c) OPER pickup(a,b)

Enter goals

on(b,a)

Plan of actions in reverse:

OPER puton(b,a) OPER pickup(b,table) OPER puton(a,c) OPER pickup(a,b)

Enter goals

on(a,c) holding(b)

Plan of actions in reverse:

OPER pickup(b,table) OPER puton(a,c) OPER pickup(a,b)

Enter goals

on(a,d)

Plan of actions in reverse:

OPER puton(a,d) OPER pickup(a,b) OPER puton(c,table) OPER pickup(c,d)