domains

disease,indication,

patient=string

predicates

hypothesis(Patient,disease)

symptom(Patient,indication)

response(char)

go

clauses

go:-

clearwindow,

write(" What is the Patients name? "),

readln(Patient),

hypothesis(Patient,Disease),

write(Patient," probably has ",Disease,"."),nl.

go:-

write(" Sorry, I do not seem to be able to"),nl,

write(" Diagnoses the disease."),nl.

symptom(Patient,fever):-

write("Does ",Patient, " have a fever (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,rash):-

write("Does ",Patient," have a rash (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,headache):-

write("Does ",Patient," have a headache (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,runny\_nose):-

write("Does ",Patient, " have a runny nose (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,conjuctivitis):-

write("Dose ",Patient," have conjuntivitis(y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,cough):-

write("does ",Patient," have a cough (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,body\_ache):-

write("Does ",Patient," have a body ache (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,chills):-

write("Does ", Patient, " have chills(y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,sore\_throat):-

write("Does ", Patient, " have a sore throat (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,sneezing):-

write("Does ",Patient, " sneezing (y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,swollen\_glands):-

write("Does ",Patient, " have swollen glands (y/n)?"),

response(Reply),

Reply='y'.

hypothesis(Patient,measles):-

symptom(Patient,fever),

symptom(Patient,cough),

symptom(Patient,conjunctivitis),

symptom(Patient,runny\_nose),

symptom(Patient,rash).

hypothesis(Patient,german\_measles):-

symptom(Patient,fever),

symptom(Patient,headache),

symptom(Patient,runny\_nose),

symptom(Patient,rash).

hypothesis(Patient,flu):-

symptom(Patient,fever),

symptom(Patient,headache),

symptom(Patient,body\_ache),

symptom(Patient,conjunctivitis),

symptom(Patient,chills),

symptom(Patient,sore\_throat),

symptom(Patient,cough),

symptom(Patient,runny\_nose).

hypothesis(Patient,common\_cold):-

symptom(Patient,headache),

symptom(Patient,sneezing),

symptom(Patient,sore\_throat),

symptom(Patient,chills),

symptom(Patient,runny\_nose).

hypothesis(Patient,mumps):-

symptom(Patient,fever),

symptom(Patient,swollen\_glands).

hypothesis(Patient,chicken\_pox):-

symptom(Patient,fever),

symptom(Patient,rash),

symptom(Patient,body\_ache),

symptom(Patient,chills).

hypothesis(Patient,whooping\_cough):-

symptom(Patient,cough),

symptom(Patient,sneezing),

symptom(Patient,runny\_nose).

response(Reply):-

readchar(Reply),

write(Reply),nl.