domains

disease, patient, indication =symbol

predicates

hypothesis(patient,disease)

symptom(patient,indication)

response(char)

go

clauses

go:-

write("What is the patient's name? "),

readln(Patient),

hypothesis(Patient, Disease),

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

go:-

write("Sorry, I don't seem to be able to"), nl,

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

write("Do you want to diagnose yourself(y/n)?"),

response(Reply),

Reply='y',

go.

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,conjunctivitis):-

write("Does ",Patient, "have a conjunctivitis(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 a 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("Is ",Patient, " sneezing(y/n)?"),

response(Reply),

Reply='y'.

symptom(Patient,swollen\_glands):-

write("Does ",Patient, "have a 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.