Childhood disease diagnosis using PROLOG

symptom(charlie,fever).

symptom(charlie,rash).

symptom(charlie,head\_ache).

symptom(charlie,runny\_nose).

hypothesis(Patient,measles):-symptom(Patient,fever),symptom(Patient,cough),

symptom(Patient,conjuctivites),symptom(Patient,runny\_nose),

symptom(Patient,rash).

hypothesis(Patient,german\_measles):-symptom(Patient,fever),

symptom(Patient,head\_ache),

symptom(Patient,runny\_nose),

symptom(Patient,rash).

hypothesis(Patient,flu):-symptom(Patient,fever),

symptom(Patient,head\_ache),

symptom(Patient,body\_ache),

symptom(Patient,conjuctivites),

symptom(Patient,chills),

symptom(Patient,sore\_throat),

symptom(Patient,runny\_nose),

symptom(Patient,cough).

hypothesis(Patient,chicken\_pox) :- symptom(Patient,fever),

symptom(Patient,chills),

symptom(Patient,body\_ache),

symptom(Patient,rash).

When we submit goal to prolog as

?\_ hypothesis(Patient,Diagnosis)

It will reply as

Patient=Charlie, disease=german\_measles