Emphemontaken of Forward Charling

Ahm: To implement forward Chaining.

Scenario: A diagnostic expert eystem helps determine whether a patient has a dican based on observed Symptom's.

Procedure.

Puthcolore a knowledge base containing Dethen rules

· Define the initial facts

· Repeat until no new facto one inferred

@ Thetate though each rule onthe knowledge bare.

@ Check if all Conditions of a whe exact in the known facts.

3 if the and the conclusions is not aldody in facts add it to the feeds.

1 Mark a new fact over forret &

· Shop when no new facts one derived. · Check if the fixed goal or diagnocks in the inferrel facts

outant len Conclusions

Progrema knowledge-base 2 [ CE"cough", "fever"], "flu"), ( ["some + throat", "runny - nose"], "cold u] (["Some\_Horand"], "fever") facels 2 & "cough" some - throat"} det ferward chaining () inferned 2 true while interned Enferred. Patre for Conditions, conclusions in knowledge Lew: