

Basic Algo:

To prove goal G:

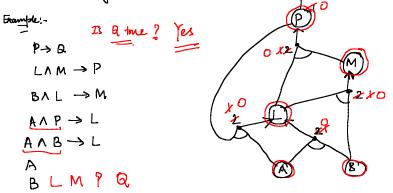
- > If G is in the initial facts then , G is proven
- > Otherwise, find a rule which can be used to conclude of and try to prone that rule's conditions.

Expert Systems

- -> Systems acting in a particular domain and behaving like human experts.
- -> Normally, expert systems are applied to problems where algorithmic boldion does not exist.

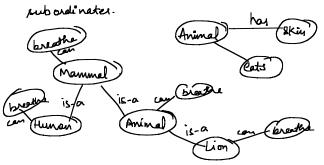
→ Guided by domain specific rules.

-> Rule based systems have been widely used in expert systems.



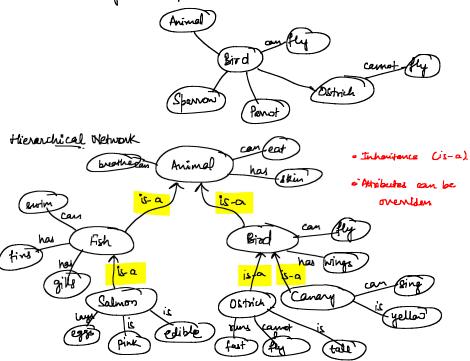
SEMANTIC NETS

- . Concepts can be represented as hierarchies of inter connected concept nodes
- · Any concept has a no. of associated attributes.
- · Some concepts, are superordinates of other nodes and some are



· For reasons of incognitive economy, subordinates inherit all attributes of their superordinate concepts.

Some instances of a concept are excepted from attributes



A semantic network is a structure for representing knowledge as a fathern of interconnected nodes and arcs.

Nodes: represent concepts, entities, attributes, events., values.