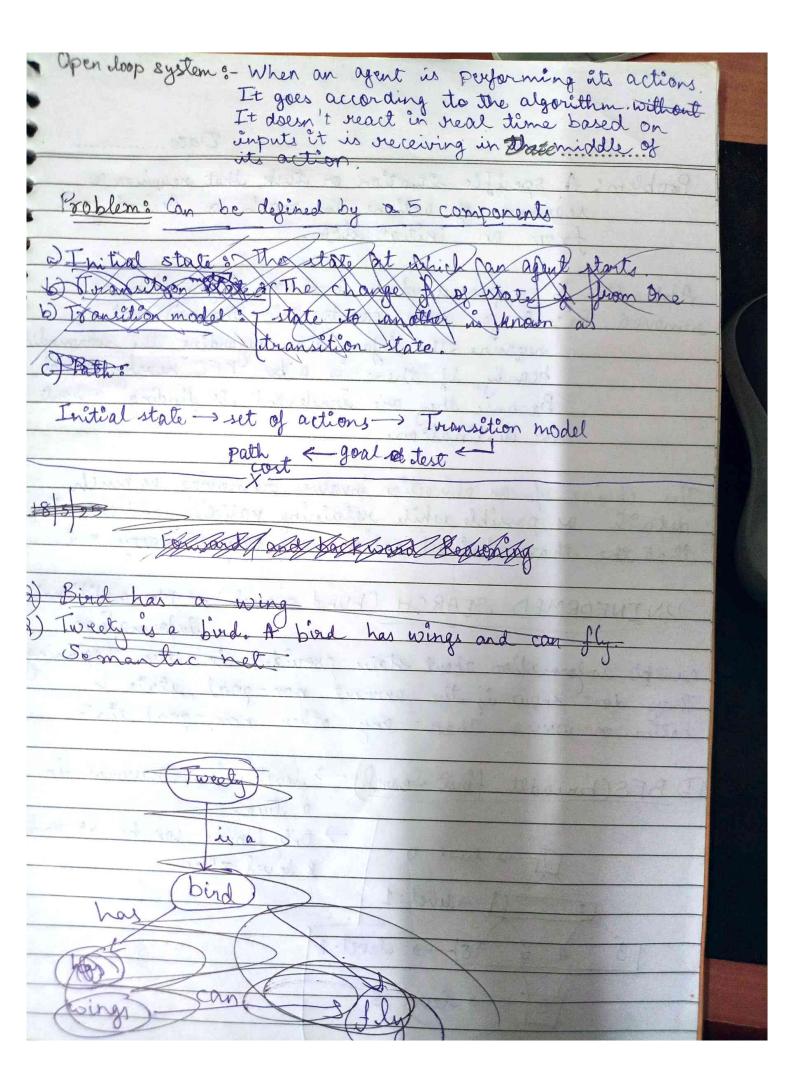
Problem Solving: - Performed by goal based agents. based agent is known as For oble in Jolying Groad based ing agent whole, doesn't care Spiral

1

The process of tooking for a sequence of actions that oreaches the goal is called search frecution phase: carrying out solution Search algorithm: Returns solution in the form of Braketon . segmence How agents work towards a solution for a problem > Great formulation: Figures out the goal and sets it as its starget.

Example: driving to a particular decation Secause of this the system starts taking these stowards the target and arbitrary unnecessary arbitrary steps are removed/rejected. Possiblem formulation: Each of A goal state is achieved when the steps staken to achieve it are taken in correct order and correctly.

A goal state is achieved when of intermediatory slep states are completed. An intermediary step should be a step that doesn't bring uncertainty in achieving goal state of instead brings certainty helps achieve it. This process of selecting a proper intermediary step, given a goal is known as problem & formulation The final process is Great formulation -> purplem formulation -> scarching Repeat (if negrired) - execution



	Date
	Problem: A specific situation or task that requires a
	segmence of actions to reach a derived goal
	Problem: A specific situation or task that requires a sequence of actions to reach a desired goal from an initial etate.
	· · · · · · · · · · · · · · · · · · ·
	Abtraction is a process where irrelevant information is
	cross country mp one will neet
	information regarding the surround
	a whitevand its dending a tout
	The choice of an abtraction work.
	detail as possible while retaining as much
ئے	The choice of an abtraction involves removing as much detail as possible while retaining validity and ensuring that the that abstract actions are easy to carry out.
	With a carry out
	UNINFORMED SEARCH (blind search) -> No additional
67	cost : 10 in love of one
Th	cept information about states provided in the beginning
be	ther or war a state is
	ey don't know if the current non-goal state is
D	BFS (breadth first Search) - level wise traversal in
	level wise traversal in
	a true.
	level o Daly I node can be at made
	level: 1 Daly I node can be at node
	3 4 7 8) slevel; 2
	5 slevel; 3
	mver, 3
	Shinel