

State String 1122 موضوع اللحرمي Aner Function de air selection 1 8 Columny Snumber of non attacking Pais of queens الغانة يعرب queen 1 min rate=0 - Cillege comies max rate= (8x7)/2=28 messele en 1 pod 6 5 Eje queen circliption Mutation privace: Note A Important:

Pitness Function is different according to the problem. (emember) O Selection - Algorithm is just For reaching @ Cross over 3 Kutation Action sim Searching in Nondeterministic)

Actions env Il jes, ciga cice precept is 2 Est Action year in nondeterministic envo percepts tell the agent which of the possible outcomes of its action has occured. Problem Solution becomes Contingency plane not a sequence Éxample: Errotic vacuum cleaner world.

Remember: noneleterministic Actions but fully observable

العن مشمارف نتا بح العنى بسر عارف ري يت

ال env كوتيد وعارف الر States بناعتها

عددهون انفي عددهون انفي عددهون انفي عددهون انفی علیده

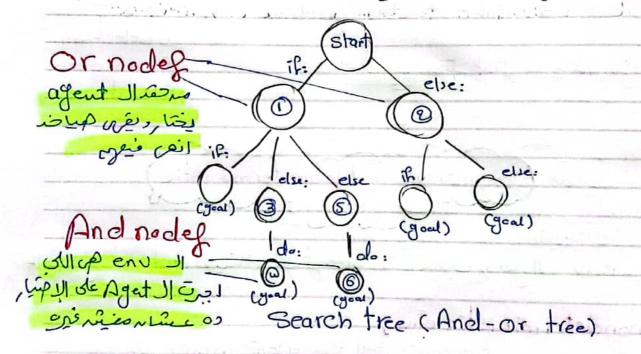
* Solutions For nondeterministic problem contains:

O nested if conditions

Solutions are @ Switch Calef.

tree not sequence

* Selections of actions based on Contingencief duting



Solution in nondeterministic environment:

Thus a good node at every leaf

Choose one action at each OR node

Trolude every outcome at each And node.

*And-Or trees can be explored by DFS -BFS

* (used in) exploration problems - game playing.

- Best Pict (greedy)

Searching with Do observation down state gill

- No observation = Sensor less = percepts provide no information

(State giver con line state internol que la grave ou con ren ren-

Seasch in a belief stateg rather than physical stateg.

(sepresents the agent's current belief about the State he might be in.

>in belifistate space: the problem is fully observable and the solution is always a sequence of action.

جبيوقف الها Search البقى الها العالمة عن الهام

_ belige-states = 2 combination f lysaismine

the belifestate space Containg every possible physical state.

رفيد العيارد Date Searching with partial Obser Vations the afects percepts cannot determine the exact state - the belief state space is constructed from the underlying physical space Lieu sensorles Gibrain Partial observs can only بسالعاجات ال partial الل شعب يقلل help reducing uncertainty Il meson particul obsr. Il non Observable