	×1,10
Ou alie	adversarial search 0 ×
	/ Minimax
	Max (x) ains to maximum score
	Min (0) aims to minimum score
	C : 234 A dida
	So: mitial state Player(s): returns which player to move in state s.
	Action(s): return legal moves in states
	Result(s,a): return state after arum a taken in state s
	Terminal (S): checks if state S is a terminal state.
, 200	utility (s): final numerial value for terminal states.
<	Knowledge >
	Knowledge - based agent -
	Le agents that to reason by operating on internal representations
	of knowledge.
2000 A	Sentence,
ah	Is an assertion about the world in a knowledge reportsentation. language.
	propositional lyse
	- Managitta subde '- P. D. D.
	- proposition symbols, ie. P, Q, R, logical connectives [T-True F-False]
P -P	"- not " A and "Vox" -> implication " > bi conditional
TF	if [P], the well be [Q] if lonly if [p], that well be [Q]
FT	PQPAQPQPQPQPEQ
	T T T T T T T T T T T T T T T T T T T
	T F F T T T T T
	FT F T (FTT FF THE
	TT T FT
	下下 下 新提選協会,此句式之 任何款、⇒ The

model - assignment of a both value to every, propositional symbol (a possible as Le P: it is rawy, Q: it is a Tuesday. SP: Ince, Q: False) knowledge base - a set of sontences known by a knowledge-based agent. Entailment 1 it. 2 1/2 = B was my month a good colled: Briail In every model in which sentence I is true, Soutence B is also True. inference - the process of deriving now sentences from dol ones. R: Harry will go for a run - kB: (Pn - Q) -> R La It's Tuesday and It's not raining, then Harry well go for a run P: True 7Q: True => R: True. Inference: R Does KB = 2. ?? To determine if kB = 2: · Enumerate all possible models. . If in every model where KB is true, I is true, then KB entails 2. + Otherwise, KB is does not ental 2:

KB: (P17Q) -R P 7Q Query: R. KB. R FF F F F F 7 F 7 F F F T F F F F T F T F T T F T T T F

(110)