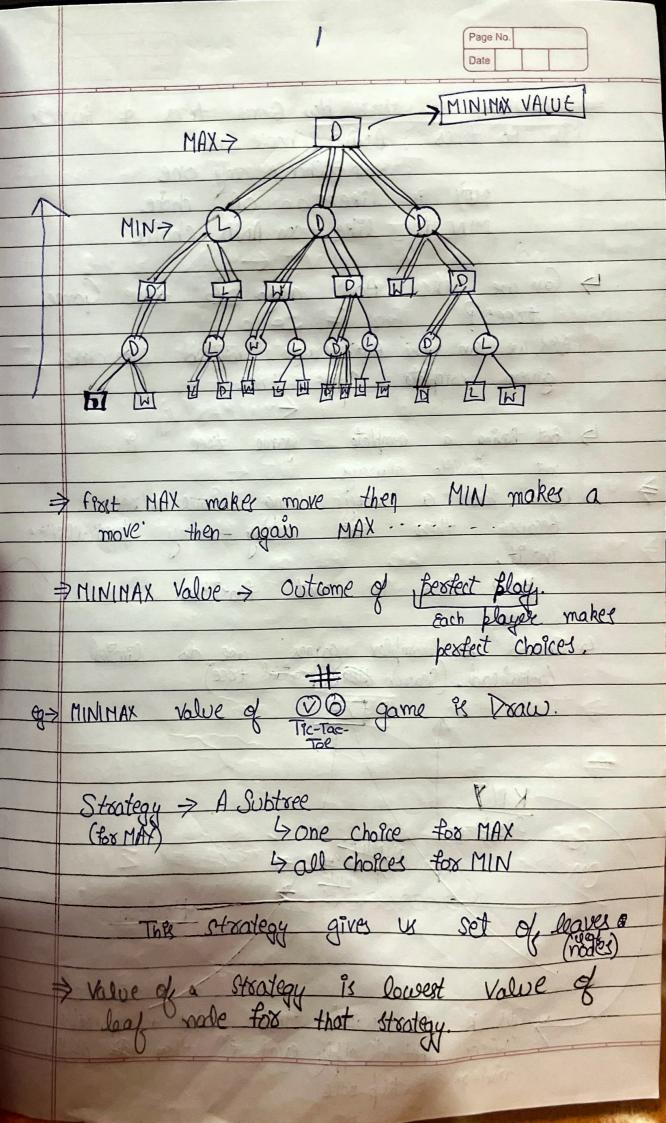
Page No. Here, we have 5 Easy to evaluate Frame theory > Rational Choice in a multi agent scenario. # We are interested in Board Gamel's-4 Two player 4 Zero Som (Win+loose=0) 4) Alternate moves
Ly Deterministic (There is no element of eg > Win=+1 lose = -1 Draw=O Zexo Sum 4 Complete Information 5 means a player knows what moves are available to him 4 other players. > Such Games are represented by game Trees 13 layered tree one layer > Player 2
2nd layer > Player 2
3xd layer > Player 21 leaves -> Finished Games AN LINGUOSE COTROLL From MAX PERSPECTIVE

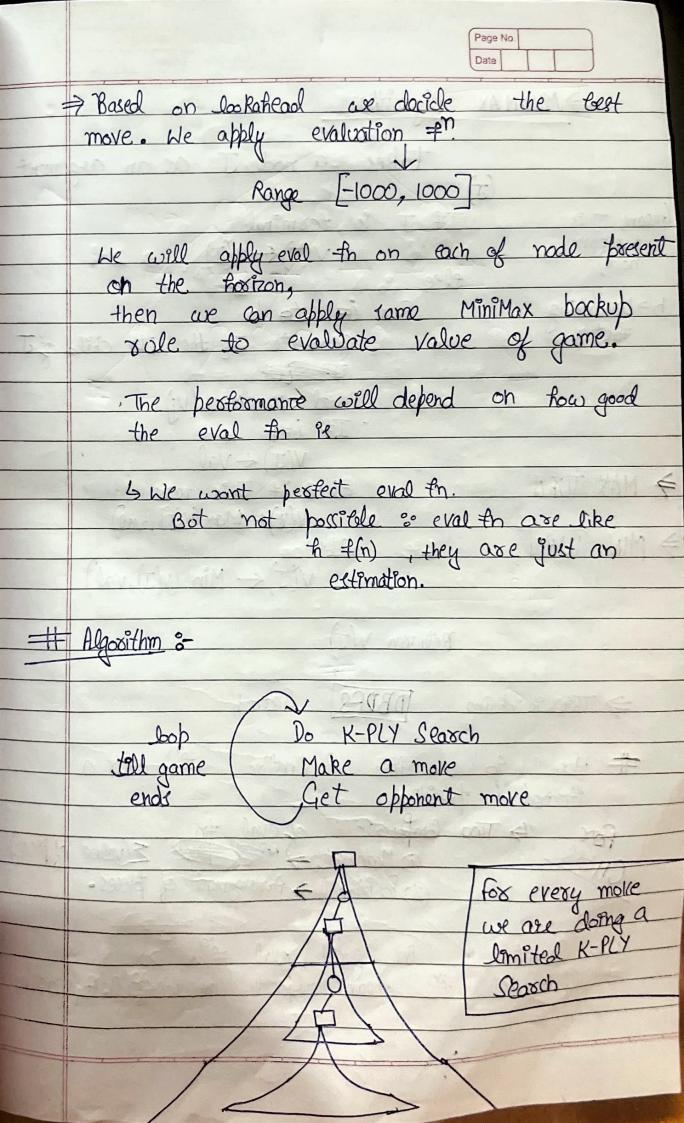


=> Similarity is these blue Grame trees of Aother In As trees, AND > Choose all of a chase any one MAX & like an OR choice MIN & like on AND choice 1> Gu we use Ao* algo. to solve Gome 10ees P Yes, we can use Aox also provided use are given complete game tree 19 But, having a complete game tree 95 not possible always.

Ches has a very long Grane tree

because those are many -many paritalities in it. Hence Ao * 93 not feasible. Gorahad. (Search to partial tree) KPLY Seareda_ MINIHAX Horizon The R I will check mine of offencies of thoronges apply eval of them apply eval of them apply

minimox backup vale



	Page No.
	> MINIMAX Algorithm
	takes a node J as an augurer
means J	By It J is texminal N (I) (I) (I)
a hovizo	elee · 1 4 h
b → bxar fact	ching Fox i=1 to b generate Ji the ith child gi
Yes	val ←MINIMAX (Vj) - Tf i=1
> 1/A)	$V(J) \leftarrow Val$ $She if Jik max$
→ MAY	TURN $V(J) = Max(V(J), val)$ $V(J) \leftarrow Min(V(J), val)$ $V(J) \leftarrow Min(V(J), val)$
7 1300	
	Return V(J) The redoing [DBDFS] Search
#	= How to write Evaluation In for a
	Board position For 4 Two Components of eval for Material > Arrangement of pieces.
	The second secon
	Secret & Rn good eval = n. Good eval = n means Good results, less search

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