K.G.C.E. Page No.: Karjat - Raigad Date: Name :- Rahul Ravindra: Shinde ROII NO. 8-64 BE -IT class DOP Mark DOC

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4	Min - Max Algorithm 3-
=>	Min max algorithm :
	- Min max algorithm is a require of
	backchaning algo with is used in
	decision - making and game there tre
4	It provides an optimal move for
	the play assuming that opponent is
	also playing optimally.
	A service of the serv
	- Min max algoruses reacresion to
	watch through the game tree
	- In this algo two players play the gar
	one is called Max and other is
	called MIN
	- Min - Max algo is mostly used for game
	playing in AI.
	The state of the s
	- Step 1 %-
	Lets take A Ps the initial State
	of the tree purpose manimize takes
	first twin (when or) which has worst-
=	case initial value = - infinity and
	minimze will take next twin which has worst - a case initial value
<u>.</u>	has worst - a case initial value
	= + infinity.

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	> Node A. A> Maxi mizer
	Maripizer
	(=>B)=> Minimizex
	=>c -> Minimizer
	(=>D) (=>E) (=E) (=E) (=E) (=E) (=E) (=E) (=E) (=
	Maximizer > Maximizer
- 1	6 2 4 -+ -4 -16 -17 -15
	Terminal Node
	Terminal Value
/ -	
_	Step 2-3- / Harafilla Mikani II \ 3
	First up find the utilities value
	for the maximizer, its initial value
	9s - ∞ so we will compose such value
	in terminal state with initial value
	of maximizer and determines the
	higher nodes values. It will find
	the maximum amound all.
	For node MA: max (6,-0) => max (6,2) = 6
	100 10000 19011 0 1000
15	for node E: max (4, -2) => max (4, -7) =4
	1081 11001C C 8 1 1002 (41 1) 2 1 1002 (41 1) 3 1 4
	For node F & max (-4, -00) => max (-4, -16)=-
4 1524	(4, 10) = (1
	The said of a long of Colt and I had not 17 17 15
	For node 6: max(-14,-0)=> max(-17,15)=-

K.G.C.E. Page No.: Karjat - Raigad Date: => A - Maximizer - Minimize~ => B => C -Maximizer terminal node Terminal values - Maximize > => A - Minimizer 4/36 >D - Maximizer

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