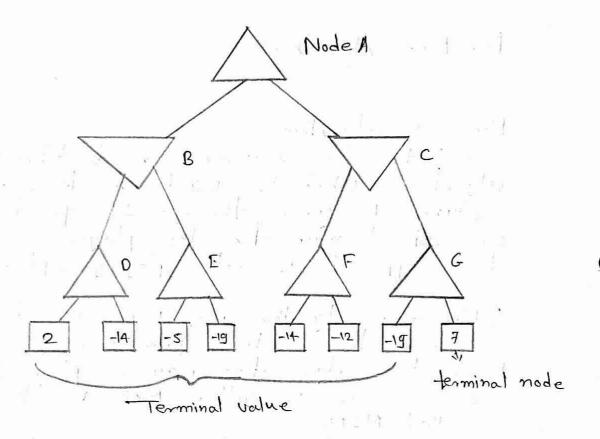
K.G.C.E		Page No.:
Karjat - Raiga		Date:
NOCE NOCE NOCE ROCE KGC	E KGCE KGCE KGCE KGCE KGCE KGCE KGCE KGC	E KGCE KGCE KGCE KGCE KGCE KGCE
No	me: Makarand S. Khadakban	
Clo	ass: BEIT	
Ro	11 No.: 30	
Ba	tch: I2	
e 50	em.: VII th	
S	७ : उड़ी प्रक्री ॥ ज्ञानदीपेन भास्तताः॥	
		(17)
	D.O.P. D.O.C. Marks	Sign
		/ 201
		0/
-60	1 Comments	*/
	511	
3		

K.	\mathbf{G} .	C	E.
			igad

Page No.:

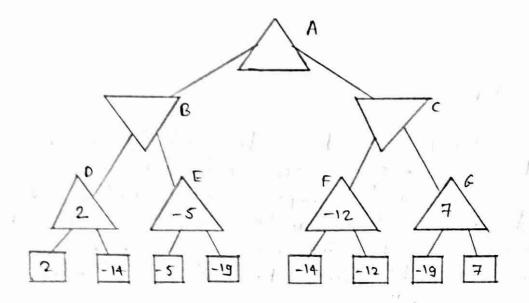
GCE K	GCE KGCE KGCE KGCE KGCE KGCE KGCE KGCE K
	Min-Max Algorithm:
	Min-max algorithm:
	It is a securive or backtracking
	algorithm which is used in decision making & game theory. It provides
	an optimal move for the player assuming that opponent is also playing optimally.
	A) Min-max algorithm uses recursion to
	Search through the game-tree BI In this algo two players play the
:1	game one is called MAX & other is
	Called MIN. CI Min-Max algorithm is mostly used for
	game playing in AI.
	Step 1: Lets take A is the initial state
	of the tree. Suppose maximizer takes
	first turn which has worst-case initial
	next turn which has worst-case initial
	value = + infinity
	GCE KO

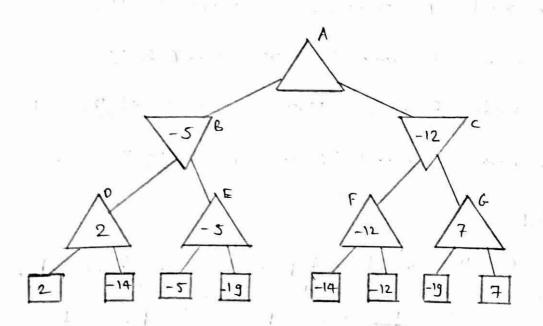


V			E.
Γ .	U.		. L.
Kar	iat -	Ra	igad

Page No.:

CE KGCE KGCE KGCE	E KOCE KOCE KOCE KOCE KOCE KOCE KOCE KOC
	Step 2:
	First we find the utility value for the maximizer its initial value is -00
	terminal state with initial value of
	maximizer & determines the higher nodes values. It will find the maximum
•	among all.
	For node D! max (2,-∞)=>max (2,-14) = 2
	For node E: max (-5,-19) = -5
	For node f: max (-14,00) => max (-14,-12) = -12
	For node G: max (-19,-∞)=>max(-19,7) = 7
•	Step 3:
	In the next step, it's a turn for minimizer, so it will compare all nodes
	third layer node value.
	For mode B:min (2,-5) = -5
	For node (: min (-12,7) = -12





K.G.C Karjat - R		\exists
	CE KGCE KGCE KGCE KGCE KGCE KGCE KGCE KG	KGCE KG
	Step 4:	
	Now its a turn for naximizer, & it will again choose the maximum of all nodes values & find the maximum value for the root node.	
	For node A: max (-5,-12) = -5	
•	NGYAM	
	Hence, it was the complete workflow of the minmax algorithm with two	3
	players game.	
		*
•		
	5112	
		A COLUMN TO SERVICE AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE P

