Page No.: K.G.C.E. Karjat - Raigad Name! Aishwanya y. charcon Roll No: 11 class: BFIIT Subject ! Is lab sign DOP DOC MONKS

Page No.:

Date:

Date:
KGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCE
Alpha - Beta pruning:
Alpha-beta pruning is a modified version of the min max algorithm. It is an optimization fechnique for the minmax algorithm.
· Alpha (d) = The best (highest value) = Initial value of alpha is - 00
Beta (B) = The best (highest value) = Initial value is Beta is +00
Rules and conditions:-  J The max player will only update the value of alpha.
If the proxing min player will only update the value of B  I we will only pass the alpha (beta values
To the child nodes.
Condition to prune: azb or b <a< td=""></a<>
When alpha is greater than or equal to beta.
The same of the sa

Page No.: K.G.C.E. Karjat - Raigad 10/2:-00 X B:10 7 d (-00,14)=14 d (-00,-20) = -20 - max (Bottom left) d (14, -20) = 14 - Min (left) N β (00,10) = 10 3 2 (-00,10)=10 - Max (Bottom left) d (-00, -11) 2-11 (left node) d (10, -11)= 10 ٩ < (١٥,١٥) - Top (max) 5 B (10/3)=9 (14/10)=10 - Min (right) 6 B (-00, 116) = 110 - Max (Bottom right) (right node)

K.G.C.E. Karjat - Raigad Page No.:

Date:

Naijat - i		Date:
EKGCEKGCEKGCE	EKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGC	GCEKGCEKGCEKGCE
	$7 \times (10,9) = 10$ 4 (10,-2) = 10 4 (9,-2) = 9	
	8) $\beta(\infty,-2)=-2$ — min (rig $\alpha=10$ $\beta=9$	h+)
	9] < -10 max B=9	
	$\propto (10,9) = 10$ Solution	) .
	19/ 1/20/	
	1857 STA	

