1	<b>i.C.E.</b> t - Raigad	<u> </u>	Alpha-Bota Poru	<u>n'ng:</u>	Date :
Naija	recerecered	FKGCFKGCEKGCEKGCF	EKGCEKGCEKGCEKGCEKGCEK	GCEKGCEKGCEKGCEKGCEKG	CEKGCEKGCEKGCEKGCEK
CERGCERGCERGCE	RGCERGCERGG				,ii
Name	- Roh	nan. K. Mu	daliyan		
1 a me	- No.	107			
7)	- 38				
Roll ho.	30				
()	7 7 7			1	
Class	1 6.6	E-1I-T-			
- 1		2			
Batch	1 -	-2 ·			
,		e <sup>gr</sup>	022	Cia	Remank
<u> </u>		7.0.P.	D.O.A.	Sign	The radiation
		J 1142	V 300		
		11 (5-10)	A TREELENIS GRADE	141	
		1 40 1	666666	1 122	
			<del>- 74444</del>		
		121			
		1 0			
		of si		and California All	
		The same of the sa	151-		
<del>))</del>					
					, <u>1</u>

K.G.C.E. Karjat - Raigad A.I. Alpha-Beta Prunning

Page No. :

Date:

KGCEKGCEKG	CEKGCEKGCEK	GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
NGOLNGOLNG		SOLITOR SOLITO
	*	Alpha - Beta Pruning:
	a)	Alpha - Beta pruning is a modified version of the mix- max algo. It is an optimization trom turing for the
		max algo. It is an optimization troit turing for the
	7.5	min-max algorithm.
	b2	Alpha (x) = The Finst (high-value)
		- Initial value of alpha is -co.
	<b>6</b> )	Beta (p) = The final (highest-value)
<u> </u>		- Initial value of beta is +00.
	d)	Rules 4 (ondition:
	(i)	The max player will only update the value of alpha.
	(ii)	The min player will only update the value of beta.  We will only pass the alpha, beta values to child nodes.
	(17)	1
	- CiV)	of values of alpha d beta.
•		101 444 //2 //
	*	Condition to privile: axb on b&a new
		when alpha is greater than or equal to beta.
圆		
		A1

K.G.C.E. Karjat - Raigad Page No.: 2

Date:

		GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK					
		$ \begin{array}{c}                                     $					
		$\alpha = -\infty$ $\beta = \infty$ $\alpha = 1$ $\beta = \infty$					
a "i	1	α=-q-13 β=-13					
104	- /	d=1 $d=-1$ $d=-1$					
		$\alpha = -9$ $\beta = 9$ $\beta = 13$ $\beta = 13$ $\beta = 0$ $\beta = 0$ $\beta = 0$					
		10 13 -17 -13 -19 1 17 16					
	<i>a</i> )	$\alpha(-9, 16) = 10$					
		x (-∞ 13) = 13 - hax (Bettom left)					
ı							
1 -	b)	B (0, 13) = 13 - min (Left)					
nt-f	· c)	x (-12)=-17 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /					
4.17 j		9(-0, -13)=-13 - max (Bottom left node)					
		Q(-17, -13) = -13					
	۵)	9 (-13, 1)= 1 - Top (max)					
	e)	B (13, mm) = this - Bin (night					
	f)	β (+ 9, 1) = 1 - max (Bottom right)					
	<i>g</i> )	$\alpha(1,1)=1$					
		«(1,-18)=)					
	١)	B(Co, -18) = -18					
		$\alpha = 1$ $\beta = -18$ — min (right).					
		∴ × >1β so the node is pruned.					
	<u> i/</u>	$\alpha q = 1$ $\beta = \infty$					
		:. $\alpha(1,1)=1$ is the Solution.					

