K.G.C.E. Karjat - Raigad

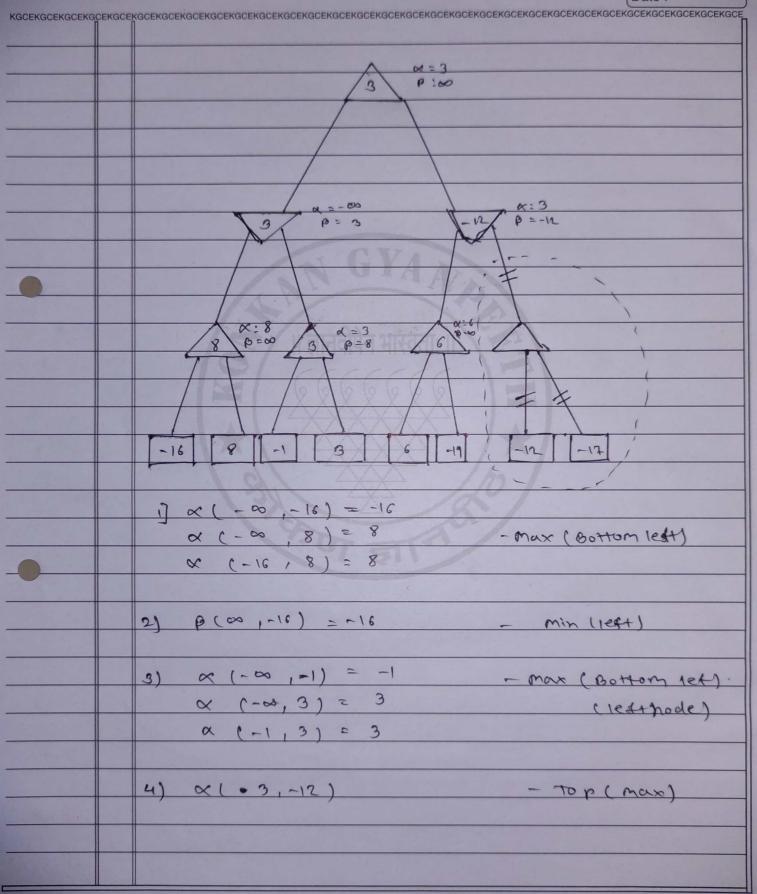
Alpha-Beta pruning

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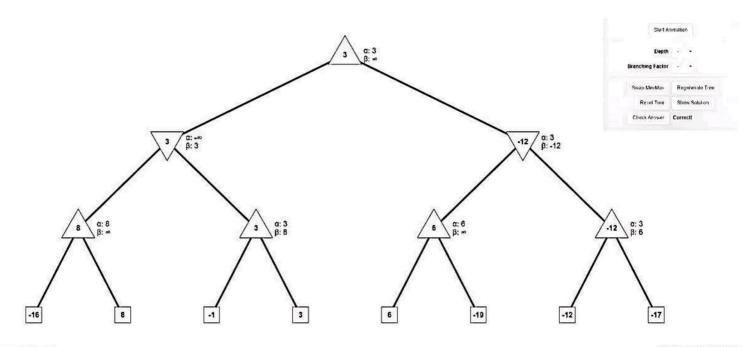
KGCEKGCEKGCEKG	CCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
	Name: - Darshan - S. Jadhan
	Std/ Brunch: - B.E/I.T
	Roll No 1- 23
	Subject :- I.S. Lub
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	Alpha - Beta Pruning.
-	modified version of min max algo. It is an optimization technique for min max algo
	Alpha (or) = The test (highest value).  = Initial value of alpha is - 00
	Beta (B) = The test (highest value) = Initial value of atha Beta is + 00
	J max player will only update value of Alpha.
	2) min player will only undute value of Beta 3) we will only pass alpha beta values to child nodes
	of values will be passed to upper nods
	when alpha is greater than or equal to beter.



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	5). ((R, 3) = 3 - min (right)
	6) B (-00,3) = 3 - Max (Bottom
	right (right node
	7) ~ (3,-12) = 3
	× (3,-19) = 3
	x (3,-19) = 3 x (6,-19) = 6
	॥ ज्ञानदीपन भारवताः॥ 🔝
	8) p(x,-19)=-19 - min (night)
	2 = 3 × × × × × × × × × × × × × × × × × ×
	p = -12
	X 2, B , 30 next node is pruned.
	1 d1 4 / // // //
	9) x=3
	$(9)$ $\chi = 3$ $(9)$ $\chi = 3$
	P = 00
	« (3, ~12) =3 Solution.
	Jo Carley.



Nodes are pruned when  $\beta \le \alpha$