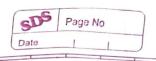
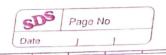
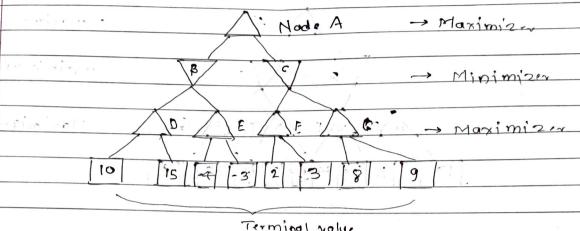
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Min - Max Algorithm: Min max algorithm!! min-max algorithm is a recursive a backtrocking algo which is used In decision making and gath. thury. 12 provides an applimal mun for the player around asuming that apponent is also playing Optimally. 461 181 - Min Inone algo uses recursion to rearch through the game. true - In this digo two players play the game. one is called MAX and other is called MIN - Min, mox algo is mostly used playing in - 51ep 1: hets take A is the initial State of the tree. Suppose traininged takes first two (when a) which has worst-case intial value = - infinity, and trinimize will take heat turn which has worst case initial value : t intinity





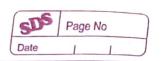
Terminal value

Grepa 2 in more time to a commission () first live a find ofthe uttibility watur for the maximum. its initial value justing as 50 use use compuse each volue in termina? state with initial value of maximizant and defermines the higher inodes volues. It uses

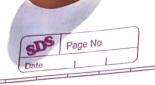
enis o sii jonis trad alt al

4 ind the maximum among oil. for node \$ max (10, -∞) => max(10.11) => 15

for nude F max (-4,00) => max (-4,-3) => -3 for node F max (2,-00) => max (2,3) => 3 for node G max (8= 20) > max (8,9) >



<b>A</b> .	
A Second	- maximizer
8 / C -3/	- minimizer
15 Di 3 E 3 F 3 G	- Maximizes
	1 TO KIMICA
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for minimizer step. its	a turn
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10 15 1510	- Maximizer
10 15 1 3 8 9	



Now its a turn for maximizer and it will again chase the maximum of all nodes volue and find maximum value for the root had

for node A max (-3,3) = 3

- Maximizm

- Minimizm

- Maximizm

- Maximizm

Mence, it was the complete worldlow of the minmox olgonithm with two player game