/			Page No.
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		Experiment 4	Shashwat Shah
			60004220126
			Div B C2-2
		Aim ! To implement local coares als	joritum: Hill climbing.
-		Theory ! Hill climbing is a local Sease the best possible solution to	nch algorithm in AI to find
		of tor the idea that it climbs the	Tilled a such space to
		find the most optimal solution !	
		current state begins with an init	tion state and evalures
		the best neighbors iteratually to de	Hegrain its part more
		The best neighbows Horamery to a	SICH FORM IS TOOK!
		Objective function - To evaluate the	audity of a state the
	- 11	goal is to maximize or minimiz	. 0
		the seasiting towards better s	•
		John S. Commission of the Comm	
	P	- i elebroub f	a C.
	S	implicity - It is straight joxward	to implement and
		understand.	
	ER	Pficiency - It can awakly find 10	cal optimum due to lits
		simple structure	
	Disc	advantages.	
			does the heat incordial
i) Limited Exploration - It only considers the pest immediate reighbours hence entite graph cannot be explored. ii) local ophnum - It is prone to getting stack in he local ophnum and can miss the global ophnum			
			une global optimin
	in') Dependency on initial State.		
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