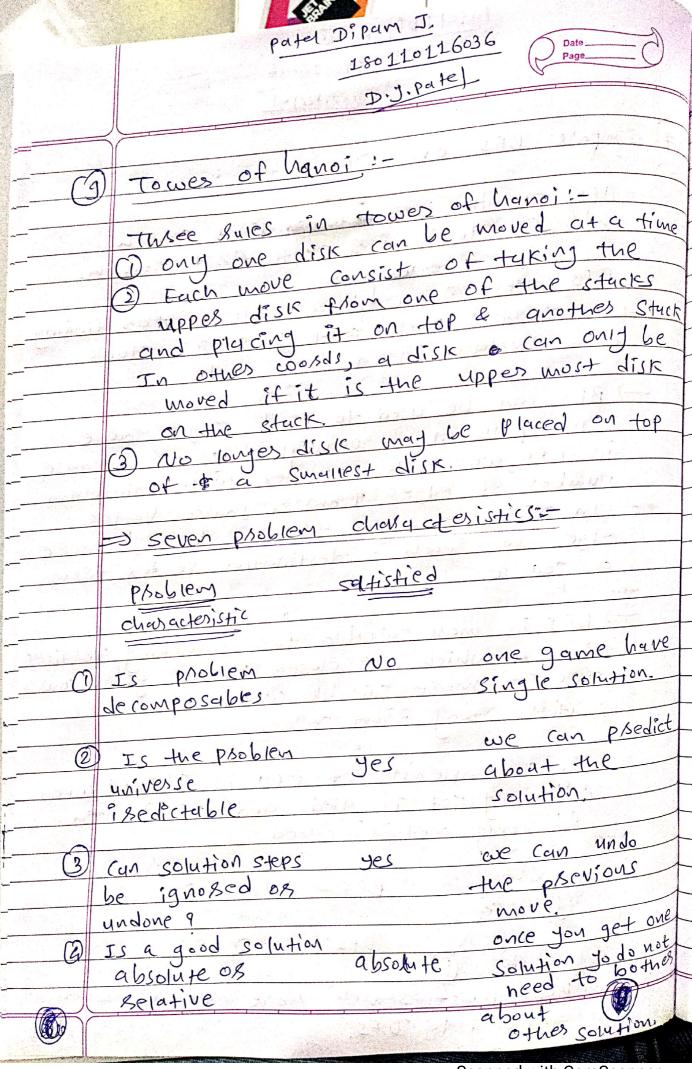
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ī	1 5-11 116-26
	D.J. Patel Page Date Page
6	Compare BFS over DFS with example.
3	APOT
	BFS stands for first seasch
	and DFS Stands for Depth first search.
	of office stack
	>BFS uses Queue Identa structure for finding
	the shortest path, and DFS uses stack
	data structure for finding path.
	the consequence of the harden
	-> BFS can be used to find single sousce
	Sortest path in an unweighted graph because
	in BFS, we seach a vestex with minimum_
	number of edges from a cource yestex.
	-> In DFS, we might travesse through mose
	edges to seach a destination vertex from
Aut appear	a sousce. Orinities tout de
	a it is the interest of the in
	-> BFS is mose suitable for sourching vertices
7-0	auth a which are closes to the given sousce
4	> DFS is mose suitable when these use
	Solutions away from source.
	and the state of t
	Time complexity of BFS is O(V+E) when
	Adjecent list is used and o (v2) when
	Adjecency metrix is used.
-	ex many line line has here
-	BFS:- ABCDEF
-	(B) san E
4	DFS!- ABDCEF.
-	DE P Best first search more efficiet when
Y	Best tibst sewon mone
al a real	Compained to DFS.

	Diram J. Patel
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	> Best first search can Switch
	between BFS and DFS, thus gaining
of the contract of the contrac	the advantages of Both.
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	brate to the second
	2 a do april de de de la
	to the second se
	to the first of th
	- A



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(6) Hill climbing 1-
Search algosithm which counting
Sparch algorithm which continue
spearch algosithm which continuously move in the diver of increasing elevation
Value to find the nimber
Ob best solution of phoblem
Hill climbing is
Hill climbing is a technique to optimize the mathematical problem ex
CX 12
Hill climbing algorithm is thavelling Salesman problem in solid
Salesman problem in which we need
at the state of th
Salesman.
the state of the s
Sent des called as greedy local
Second 17 only look!
rumediate neighbour
The state of the s
A node of hill climbing has two
Components state and was
mostly used when a and how side
12 19818
1 li mitations!
Seaching on a local algorithm
Towards on and agt
Stack there
Scanned with CamScanner

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	D.J. Patel Page
	The state of the s
	skidges: these are segmences of local
	maxima making differe & difficult for
	algosithm to was navigate.
	313031100
	> plateous - tuis is a flat - state - space
	segion As these is on uphill
	to go algorithm offen gets lost
	in the plateau.
	1600 (Aparalants
:) ways to overcome those issues!
	James Marian
ju _	-) stochastic will climbing selects at
	Sandom from uphil) moves.
	-> first- choice climbing implements the
	above one by generating successors
	sandould untill a better one is tound
_	> Random - Sestant hill dimbing Seasches from
	sondonit generated initial moves until
	the goal state is seached.
	601
	La la Maria de la
	Frall-tra
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