NA STEEN STE	Naue: Shambhaui	Vall.		
	1 december 1	Date.		
	Sant spar	Page No.		
	Tworfal	5 million million		
		it the train of every ex-		
61	What is the difference HW DFS and BF			
	Applications of &	HU HISO.		
	BFS	DFS		
	stands for Breadth	OFS steuds for Depth first		
	first search.	Seasch.		
	BFS is more suitable	OFS is more suitable for		
1000	for seasching verhices	searching restres away		
	which are closes to	from source.		
a synd	Source.	MHENDA HINCHES		
-	BFS considers all	DES use make a descision,		
	neighbours-first, so not	then explore all the paths		
	suitable for desurran	through this descision, if		
	making kees in games/	designer = win, stop, therefore		
deen	puzzles!	suitable in games / puzzes.		
	Siblings are visited	children are visited before		
	bejoe duidsen.	Silling.		
-1	Implemented using	Implemented using UFO		
94	FIFO LIST.	List.		
	Requires more m/m	19 19 30 70 00		
Laur	as compared to SFS.	Requires less m/m.		
->	No Backhacking	need of Backtacking		
03300	required.	di deproprimate		
	Slower than AFS.	Faster 4hour 8FS		
-	OCV+E)	D(V+E)		
li li	V= vertices E= Edges	5 of the william !		
	is ital according to it	visited according to		
	tree level.	tree depths.		

	Date.————————————————————————————————————		Date Page No
=	Application of BFS-	64	How can you detect a cycle in a graph using BFS and SFS?
-	Peci to Pees Netroois		using BFS and DFS?
-	web (rawless	1	FS U:
1	Notrook Brandrashing		DFS-for a connected graph produces a kee
	2744 0 074		There is acycle in a graph only if there is
12.7)- A	Application of UFS-	21.3	a back ealge present in graph.
_	Detecting cycle in graph		I An edge that is joining a node to
Don't Set of	Topological sost		itself (self-loop) or one of its ancesto
-	solving puzzles with only one solution		in the tree produced by AFS.
	332 10 37 37 37 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38		augusto And Care a Million
02	which bataskucture is used to implement		BFS: For every visited vertex 'v' if there is
an least the	and why?		anadjacent "v' such that v is already
-	BFS - queue		visited and his not a parent of y then
N non	DFS - Stack : and and an old stack	4	there is a cycle in graph. If no adjacent
sandarani, i	not also a senso por for the contract of 20 M on Short		of any vertex is found, then there is no
03	What do you mean by sparse and dense	Jugul 1	cycle. The man and the state of
200/20/20	graphs? which represent whan of graph is	" Lit	prac smitherings of the but
	better for sparse and dense graphs?	85	What do you mean by disjoint ds?
500	a designational pass between the		toplain three operations along with
	Dense graph is a graph in which the	(examples which can be performed an
-	no of edges is close to the maximal no		lispoint sets.
-	of edges. Adjacency matrix is professed.		1160 known as union find data structure or
100000	which is possible and analysis of the		rarge find data skuckuse. that keeps
	sparse graph is a graph in which no of		track of set of elements pash hand buto
	edges is done to the minimal no of	•	a number of disjoint subsets.
	edges. With the control of the contr		19.20
	spasse graph can be a disconnected graph	1	Rejoint set can be defined as the subsets when
	Adjacency list is required.		





