	Date Page	
	Day - 212	
	Cnaph - 16	
*	Shartest source to destination path:	
	0 1 1 0	
	2 1 0 1 1	
	3 1 0 0 1 4 1 1 1 1 1	
=)	So, we have to find the shortest distance between tanget source & distinction.	
=)	But we can travel only in left, right up & down 1'. to reach the	
	destination.	
=)	So, how to think that this is a graph problem.	
=)	First, make the graph of above problem-	
,		
	0 00	

	Date
	So, we know how to find shortest path
=1	graph. Simply: we can use BFS.
=1	BFS wanks on traversing their children
=1	we can also apply disketra but it inereases the time complexity.
	BFS -> ()(V+E) Dijhstna -> ()(Flog V)
7	We will take a visited matrix & start from source as we do in bfs.
	so, we will take a queue that contain now no, col no. & step.
	Time Complexity: O(n*m)
=)	Space Complexity: O(min(N, M))
	The state of the s
1.	
	TABLE STATES

	Date Page
*	Malk: O 1 2 3 4 5 6 7 O 0 0 0 0 0 0 6 I 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 3 0 0 0 0 0 0 4 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 7 0 0 0 0 0 0 0 0 0 7 0 0 0 0
⇒	tright walk 2.5 steps 2 - straight steps 1 - After that left ar right.
=)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
=1	So, we have reached the target in
2)	So, we will usp BFS.
	If we want to find min step & cvery step has constaint value then we have to use BFS.

To Para

	TANK S	
	Date	Page
-)	Row & column valu	v8 ——
	int now[8] = {2, int col[8] = { 1,	2, -2, 2, 1, -1, 1, -13
*		, , ,
		N. S. Marian