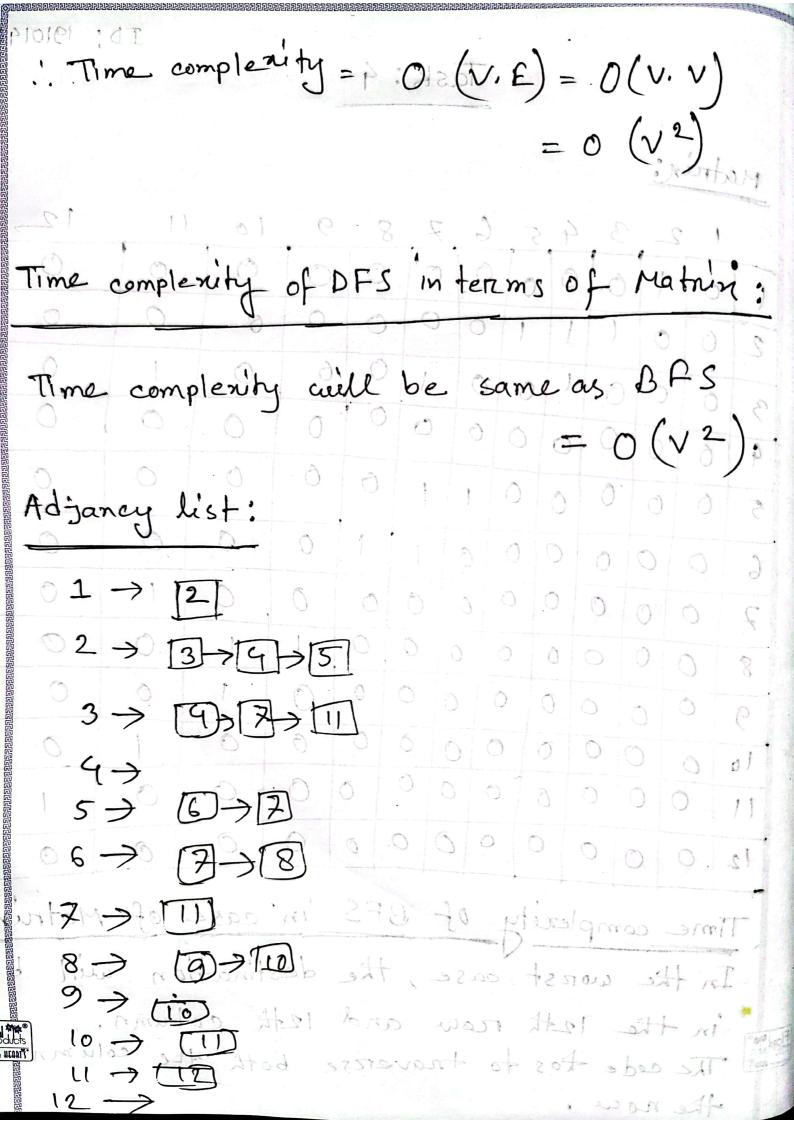
(v.v)0 = (3. Task): 4 = 1/1 / 1910146

						0		_	_	•	,	1.1	10	
	(2.	3	4	5	6	7	7	8	9	10	(1	12,	
	On	al.	0	0	200	0	4	D)	0	10	011	es/omor	- OIT	all and a second
2	0	0		1	1	C		0	0	0	6	0	0	
3	0	0	<u>م</u> ح	51	0	C)	ble	0	6 1110	Pest	aman	On !	
derender derender	0	6	0	0	0	C		0	0	0	0	0	0	
**************************************	0	0	0	0	C	+	1	1	6	Ô	0	0	0	
6	0	0	0	C	0	9	0	1	1	0	0	0	O	
7	0	0	0	C	0	>	0	0	0	0	. 0	9/1	01	
8	0	0	0	0	(5	0	0	0	315	PK	8 0	02	
9	0	0	0	7		0-	٥	0	0	0	1	0	0	
10	0	C	0	7		0	0	0	0	0	0		0	
11	0	0	0	0	3	0	0	0	C	0	0	0	-12 1.4	
12	0	0	0		0	0	0	0	0	0	0	0	- 20	

Time complexity of BFS in case of Matrin: In the worst case, the destination will be in the 12th row and 12th column.

The code tas to traversse both the column and
the now.



From the code we can see that; In this case the loop will ruen wenter forems at maximum and the total edges of the loop will be E. . Time complexity for DAS in ferens of Adjancy list = 0 (V+E) (for J in graph-1[W]:

if colote [int (des) Jipebachite: the bheak supped from book ;

the elif colora [int (3)] = = white:

P[int (3)] = w (Jeil 6 DES_visit (graph=1; des, in +(5), color (anity (1855 (OV+E) theor Agacency matrix (SU) 0 Floorer is Adjacency list gots to the victory of the victory

In From the code from Task 2, 2 H is d'again, we can seen that The time complexity of BFS in terms of Addancy list: OB (V+E) Adjancy list = 0 (V+E) So, for the both case (BFS and DFS) the adjusty list gets to the victory road first because withe the complenity of BFS and DFS in terms of Advaney As Advacency list 15 less & O(+E) than Abacency mathin 0 (2) Adjacency list gets to the victory noad first.