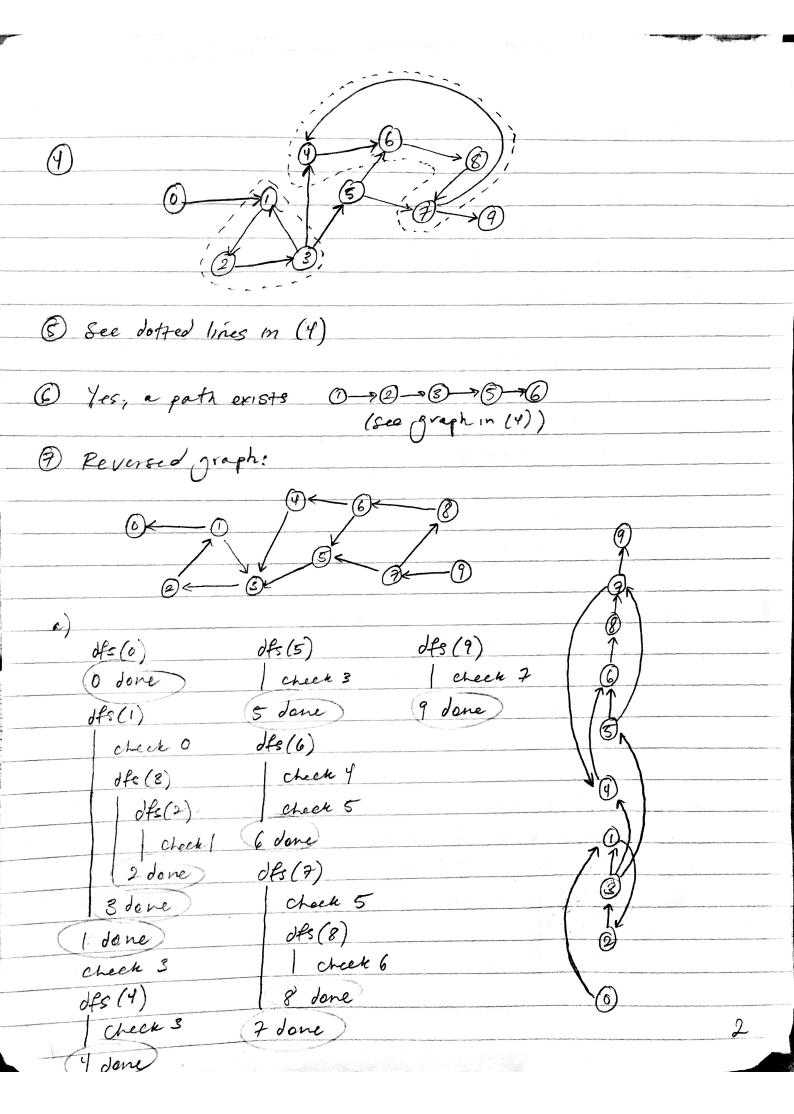
CSC 407 Homework 7A

(2) The BFS tells us nothing about the shortest path between I and w Ohen neither is at the root as these path lengths are based upon the storting point (root) of the BFS.



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b) ofs(9)	check 3
9 done	check 2
dfs (7)	dfs (0)
1 check 9	check 1
dfs(4)	0 dong
dfs(6)	
dfs (8)	1. a
check 7	
(8 done)	8.
6 done	
y done	(a) (a) (b)
7 done	
cheen 8	
check 6	
dfs(5)	
1 check 6	
check 7	
5 done	
cheen 4	
dfs(1)	· ·
148 (2)	
dfs(8)	
chech	
Check 4	
cheek 4 cheek 5	
3 done	
2 done	2
(done)	