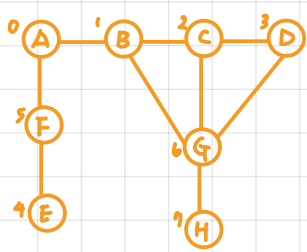


// On my honour, I pledge that I have neither received nor provided improper  
// assistance in the completion of this assignment. Signed: \_\_\_\_Jungyiju\_\_\_\_ Student Number: \_\_\_\_22000690\_\_\_\_



adjacent list

0: 1 5  
1: 4 2  
2: 3 6  
3: 2 6  
4: 5  
5: 4  
6: 1 2 3  
7: 6

visit 0: check 1

visit 1: check 6

visit 6: check 1

visit 1: done parent[1] = 6

visit 6: check 2

visit 2: check 3

visit 3: done parent[3] = 2

visit 2: done parent[2] = 6

visit 6: done parent[6] = 1

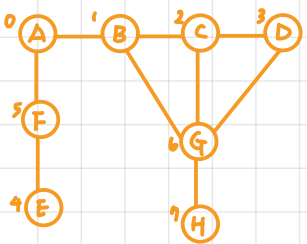
visit 1: done parent[1] = 0

visit 0: check 5

visit 5: check 4

visit 4: done parent[4] = 5

DFS: 0 1 6 7 2 3 5 4



adjacent list

0: 1 5  
1: 6 2 0  
2: 3 6 1  
3: 2 6  
4: 5  
5: 4 0  
6: 1 2 3  
7: 6

queue	V	parent[V]	disto[]
3	0	-1	0
1	1	0	1
4	2	1	2
2	3	6	3
6	4	5	2
5	5	0	1
1	6	1	2
0	7	6	3

BFS: 0 1 5 6 2 4 7 3

adj[0] 1 5

dequeue 0: check 1 check 5 0 done

adj[1] 6 2 0

dequeue 1: check 6 check 2 check 0 1 done

adj[5] 4 0

dequeue 5: check 4 check 0 5 done

adj[6] 1 2 3

check 1 check 1 check 2 check 3 6 done

adj[2] 3 6 1

check 3 check 6 check 1 2 done

adj[4] 5

check 5 done 4

adj[7] 6

check 6 7 done

adj[3] 2 6

check 2 check 6 3 done