

Lab 10

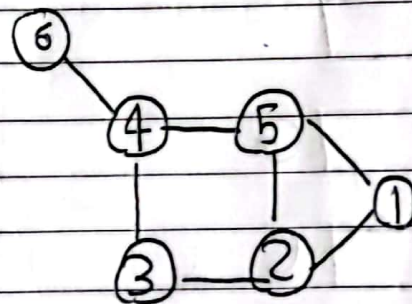
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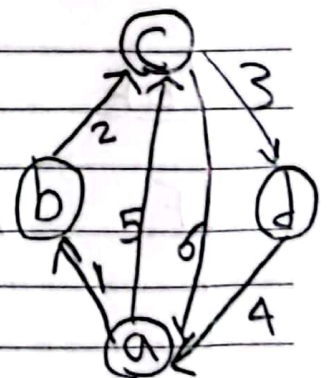
First graph

	1	2	3	4	5	6
1	0	1	0	0	1	0
2	1	0	1	0	1	0
3	0	1	0	1	0	0
4	0	0	1	0	1	1
5	1	1	0	1	0	0
6	0	0	0	1	0	0



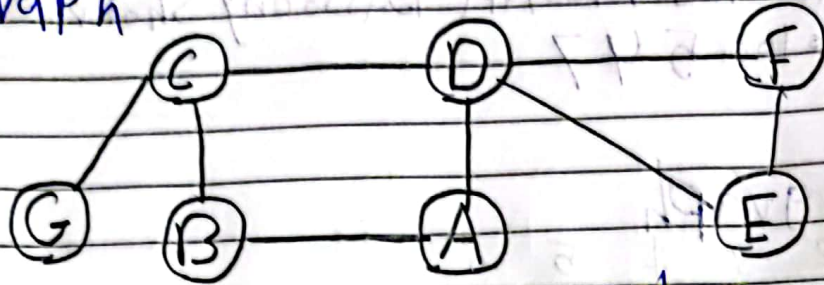
Second graph

	a	b	c	d
a	∞	1	5	∞
b	∞	∞	2	∞
c	6	∞	∞	3
d	4	∞	∞	∞



2-

First graph



Breadth First Traversal, Depth First Traversal

G G

C C

B D B

D A D

A E F A

E F E

F F

G G

C C

D D

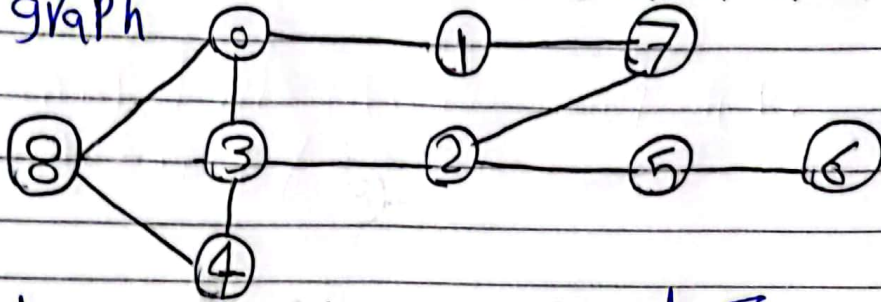
E F

E E

B B

A A

second graph



Breadth First Search

[]

[8] 8

[0 4] 0

[4 1 3] 4

[1 3] 1

[3 7] 3

[7 2] 7

[2] 2

[5] 5

[6] 6

[]

Depth First Search

[]

[8] 8

[4] 4
[0][3] 3
[0][2] 2
[0][7] 7
[5]
[0][1] 1
[5]
[0][5] 5
[0]

[6] 6 [0] 0 []