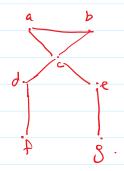
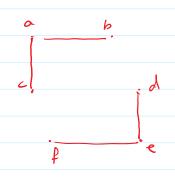
lecture 23;

Connectivity.

Connected Graphi if I a palh blu of pain of Vertices.

EX6 P563

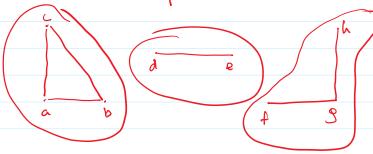




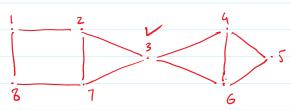
Connceted

Not Conneted.

Connected Component.

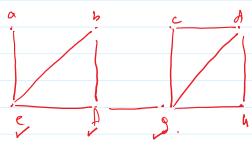


Cut Vertex.

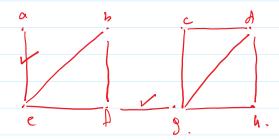


(2,3) (3,7)

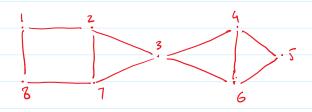
P564.



## Cut Edge:



Cut Set:



(2,3) (3,7)

Directed Graphs.

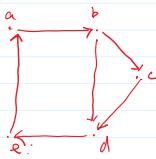
1- Strongly Connected:

Holber il 3 april Amabab

2- Weakly Connected: Holb EV

i) 3 april Arma V. 6 to a.

Ex12:



Strongly Connected.

a to b. b to a.

a to c c to a

a to d d to a

a to e e to a.

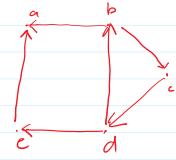
b to c & to b.

b to d d to b.

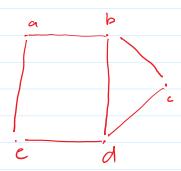
ho b

weekly Chank





chek weekly Connected. alternate way to



The ouderlying oudirected Graph is Connected.

1 Somorphism:

Vertices. 1-

Edges.

Digrees.

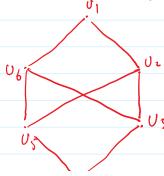
Adjacent.

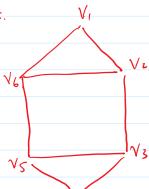
Circuits.

Cut Edgs.

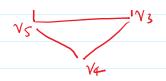
Cut Vertices. Assignment . Incided makix.

EXIS 566.

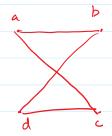








Ex16.



ababa acaca abdba. abdca abaca acdca acdba acaba.