A Arbivity Selection Publish: >

Course of activities with their start & finish

times, select the max number of activities that can
be beformed by a single bession if he she an

berform only I activity at a particular given

time.

Activity	Start Time	Finish Time	Sof (finial)	Output
A1 U	5	7	A3 (1,4)	A3(1)4)
A2 A3	8	9 4	A6 (3,5) A5 (0,6)	A1 ((,7)
AY	5	9	A1 (e, 7)	
AS	0	6	A2(8)9)	A2 (8,9)
A6	3	5	A4(5,9)	

Steps: -> Sof according to finish fine.

Select the authority that finishes earliest.

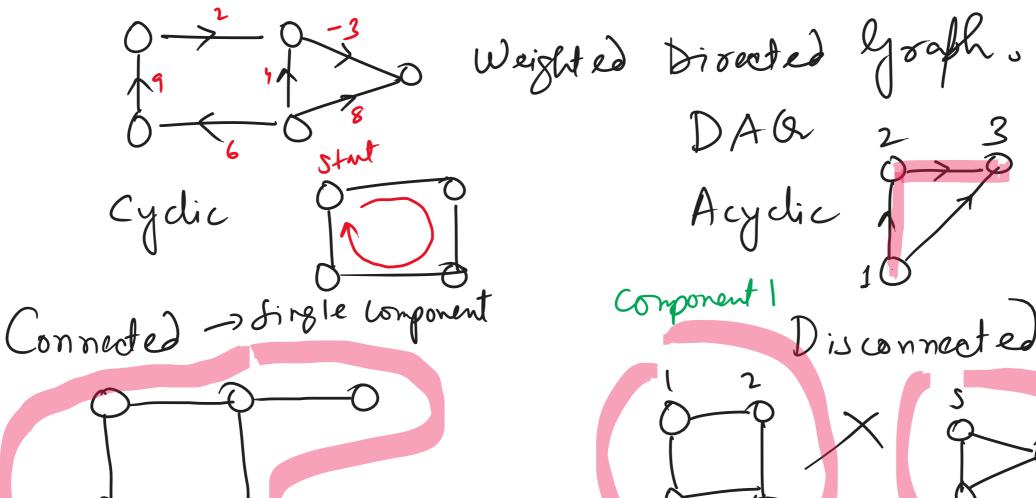
Select all other activities whose start time is greater than or equal to the finish time of the previously selectled activity without overlapping.

Introduction to Graph Data Structure: >

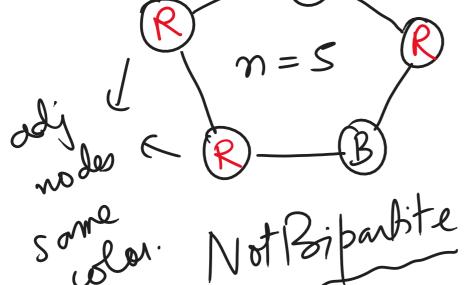
Definition: > An entity have nodes and edges is called a graph.

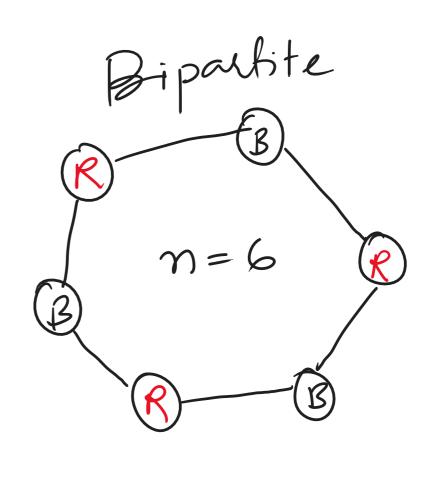
Based on the connections of the nodes and edges, graphs can be of many different types.

Nodes I Directed / Undirected (Undirected Undirected Undir



Biparlite Graphs:





Cydia & Graphs with even nodes is always bipartite.

Representati	on of graphs	°)	
Adjacency Matrix	u	ن	Adjacency List
mxn= SxS		Node:	Leat of Neighbour
1 0 1 1 0 0 2 1 0	3	1 : 2 : 3 :	2,3 1,3,4 1,2,4,5
3 1 1 0 1 1 4 0 1 1 0 1 < 0 0 1 1 0	3	y : S :	2, 3, 5