Graph

Graph is a set of nodes III from edge IR SIRJAT connected atterpolation, Graph is a set of nodes which are connected with each other through edges.

Graph - Linear 71 non-linear 9 Non-linear

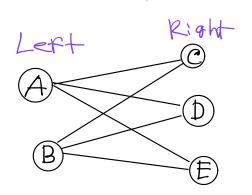
> Node -> Vertex Nodes -> Vertices

Tree for Graph? Yes

-> att tree du ction cycle out to 1

Of Directed graph
O undirected graph

Bipertied Graph



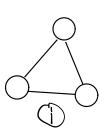
* Left 10 Megan factor

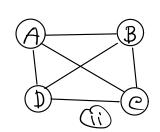
STICE Disconneded

* Right 10 Messan facture

STICE Discenned

Complete Graph





स्वारे स्वार शाथ connected

complete graph 10 edge (20

Total ege = n(n-1)

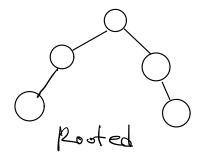
$$\frac{3\times2}{2}=3$$

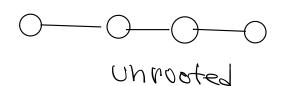
Tree 15 2 to a page.

1 Acyclic

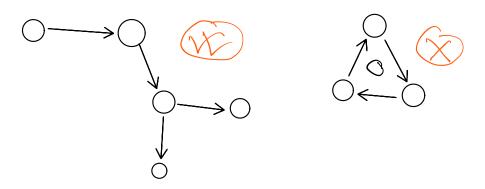
(11) Unique Path

Rooted vs un-rooted graph

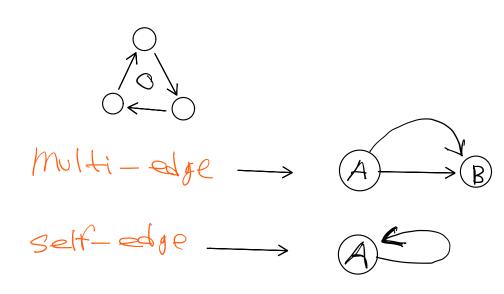




DAG (Directed Acyclic Graph)

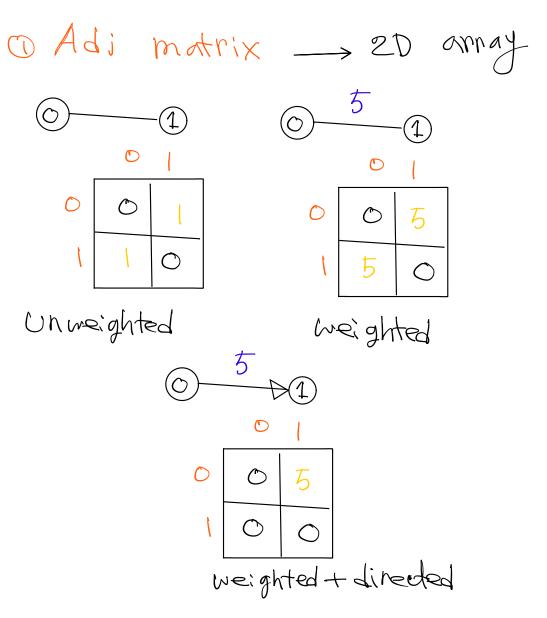


De G (Directed cyclic graph)



Graph Representation

- 1) Adi matrix
- (ii) Adi list
- (iii) Edge list



Memset