

Bipartite: A Simple Graph is bipartite

Vit can be divided into two disjoint

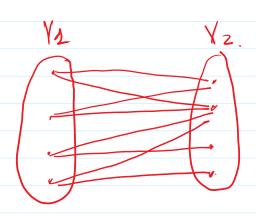
V1 and V2

All edges in the Graph are both a

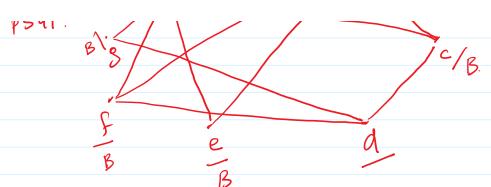
Vertex in X1 to V2.

I and there is no edges both the Vertices

of V2 & V2.

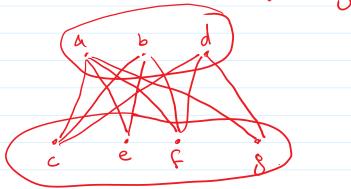


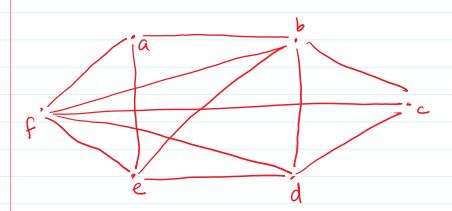




r {a,b,d}

B {cieifig}.





Complete Bipartite Graph.

K213

2+3 2x3

K3,3



3+3 3 x3.

Vertice. Edges.

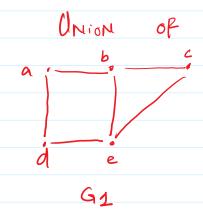
212

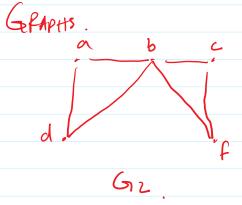


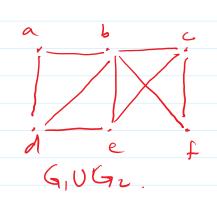
3+3 3 x3

Kmin

M +N M KN.





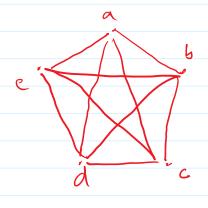


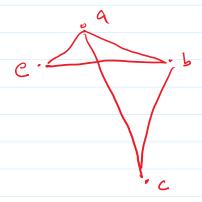
Sub GRAPH

Giz (VIE)

H = (WIP)

WEY W





Vz {a,b,c,d,e}, Wz {a,b,ce}.

Fz { (a,b), (a,c), (a,e)

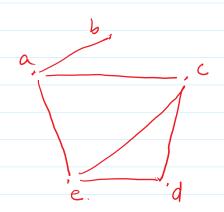
G

H .

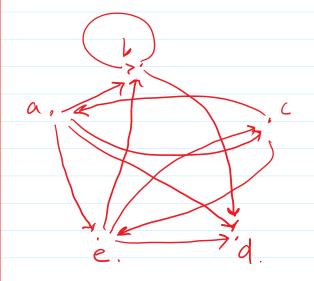
Ez f (a16), (a10), (a1d)

GRAPH REPRESENTATION

## 1- Adjacency list.



Vertices.	Adjacent Vistics.
9	b, c, e
<b>b</b>	9
C	aidie
d	Cic
e	a.c.d.



hitial	Termina
Vestex	Vertex.
a	b, c,d,e
6	6, A
C	a, c, e
a	,
e.	LiciA.

