G :

Mixal Graph:

U= 11,2,3,4} W = 0

undirected edges matrix =

k,, 0 k,3 0 k24 0 k24 0 k33 0

O has O has

cross directed edges matrix

bidirected edges matrix

1 = Idaxy

Ø

**D**:

Mixed Graph:

 $\begin{array}{c} 1 \longrightarrow 2 \\ \downarrow \\ \downarrow \\ 3 \end{array}$ 

U= 0 V(W)= {1,2,3,43

undirected edges matrix;

directed edges natrix

Ø

 $\begin{pmatrix}
1 & -\lambda_{12} & 0 & 0 \\
0 & 1 & -\lambda_{23} & -\lambda_{24} \\
0 & 0 & 1 & 0 \\
0 & 0 & 0 & 1
\end{pmatrix}$ 

error

bidirected edges matrix:

<sup>7</sup>27 P35 P74



U= 1234

emor undirected Edges Matrix

 k<sub>11</sub>
 0
 k<sub>13</sub>
 0

 O
 k<sub>12</sub>
 0
 k<sub>24</sub>

 k<sub>31</sub>
 0
 k<sub>35</sub>
 0

 0
 k<sub>42</sub>
 0
 k<sub>44</sub>

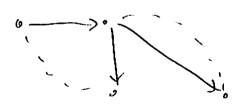
directed Edges Martix

0 liz 0 0 0 d lin lin 0 0 0 d

bidirected Edges Marix

B

DB



Undirected Edges Matrix

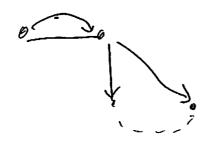
directed Edger Matrix

0 liz 00 0 liz liy 0 0 0 0

bidirected Edges Multix

P11 0 P13 6
0 P24
1P51 0 P23 0
0 P42 0 P44

GDB



Status

U=12

W=34

prat

undirected Edges Matrix

directed Edges Matrix

incorrect

bidirected Edges Matrix

0 l12 0 0 0 0 l27 l24 0 0 0 0 0 0 0 0

P34 P44