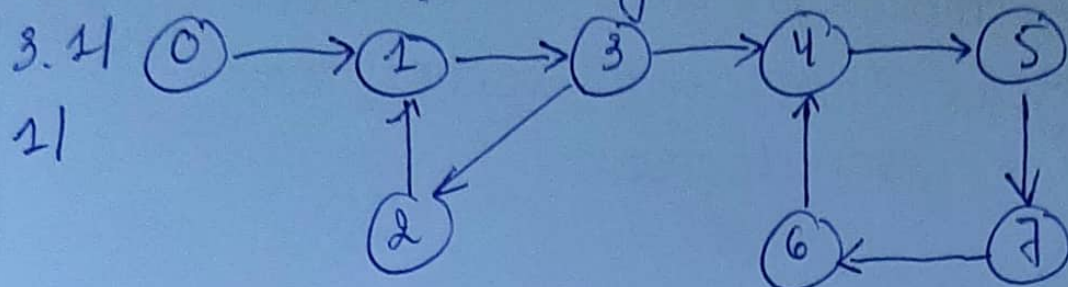


2 1 1 2 5 5 2 - 1 ham w Quy nh N h



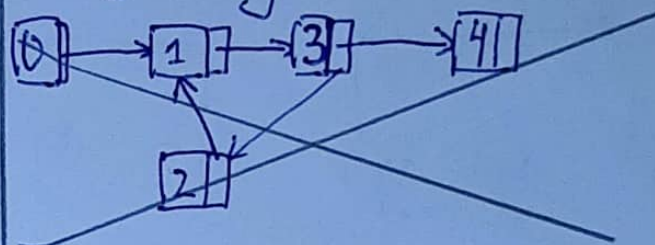
a/ Adjacency-matrix

	0	1	2	3	4	5	6	7
0	0	1	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0
2	0	1	0	1	0	0	0	0
3	0	0	1	0	1	0	0	0
4	0	0	0	0	0	1	0	0
5	0	0	0	0	0	0	0	1
6	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	1	0

b/ Edge List

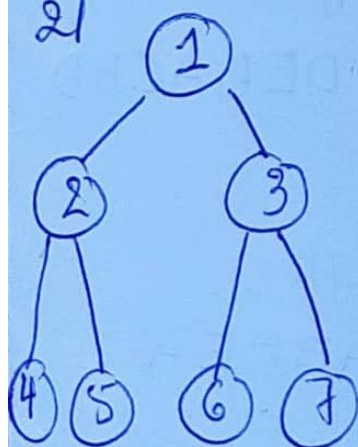
[0, 1], [1, 3], [2, 1], [3, 2],
[3, 4], [4, 5], [5, 7], [6, 4], [7, 6]

c/ Adjacency-List



0 → 1, 1 → 3, 2 → 1
3 → 2 → 4, 4 → 5, 5 → 7,
6 → 4, 7 → 6

2/



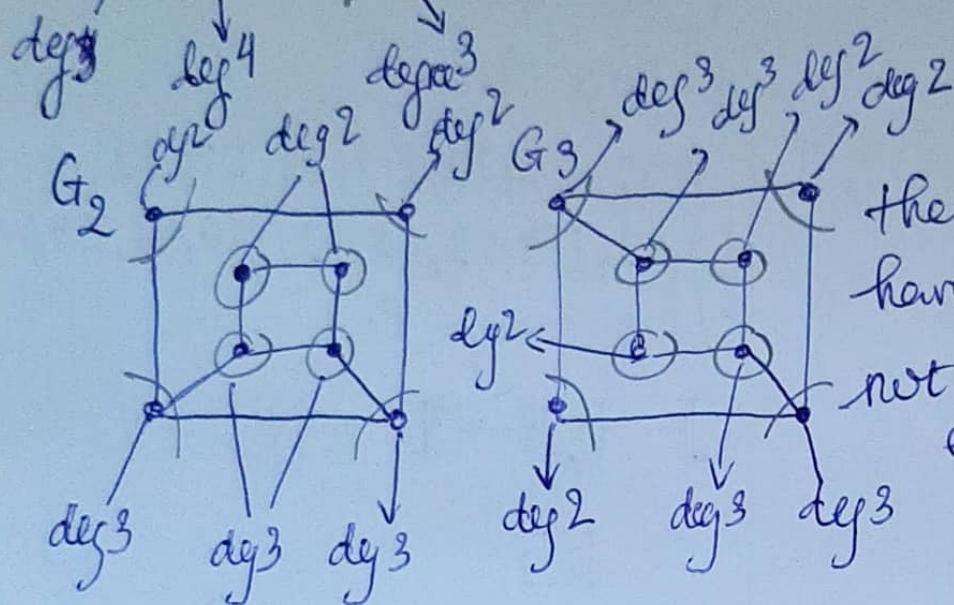
Edge-List

1 → 2 → 3
2 → 4 → 5
3 → 6 → 7
4 → NULL
5 → NULL
6 → NULL
7 → NULL

Adjacency-matrix

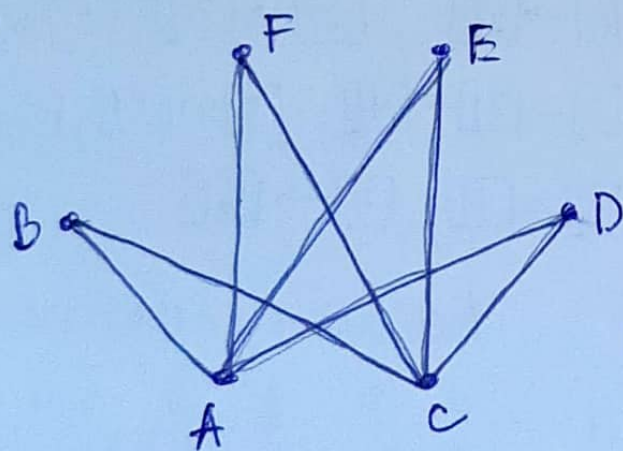
	1	2	3	4	5	6	7
1	0	1	1	0	0	0	0
2	0	0	0	1	1	0	0
3	0	0	0	0	0	1	1
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0

3/ G_1 this graph does not have Eulerian cycle as not all the vertices has even degree.

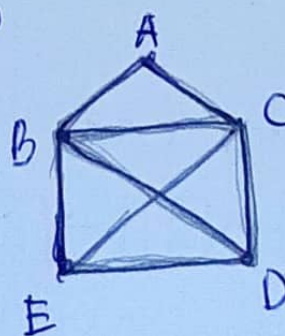


these two graph don't have Eulerian cycle as not all the vertices has even degree

G_4

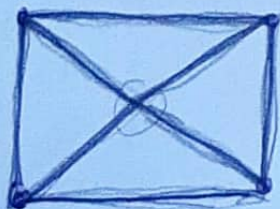


Euler circuit
A B C D A E C F A



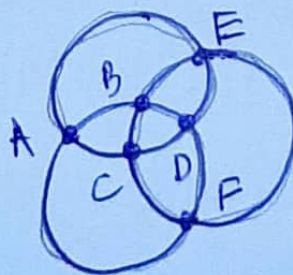
Path
E C D E B A C B D

4/



can not be drawn without

lifting the pencil from paper and without repeating exactly one.



Path
D F A E F E A