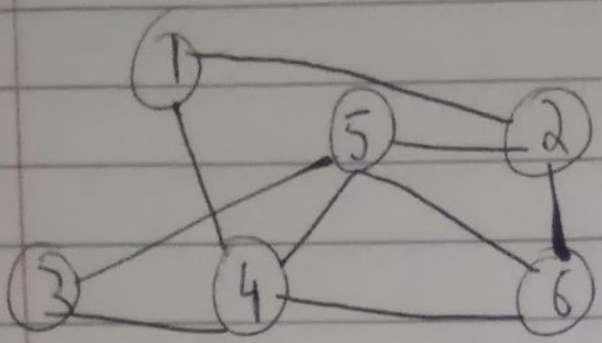
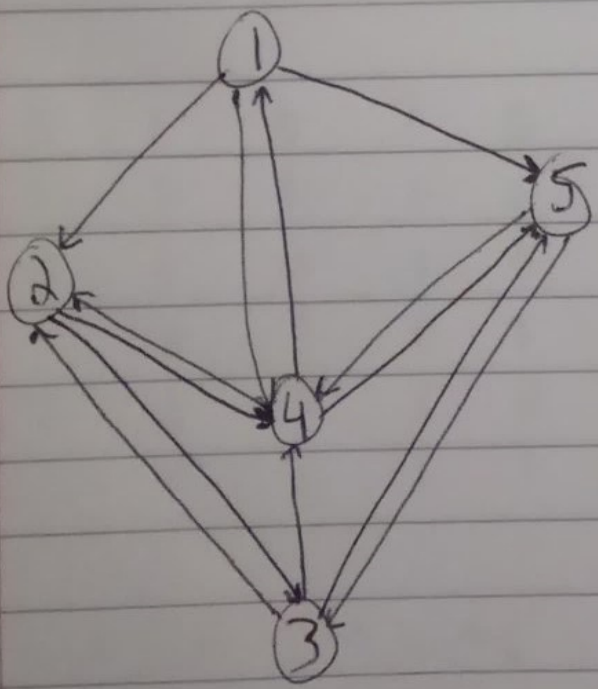


B00092923
Joseph Tierney

$$\begin{bmatrix} 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 \\ 1 & 0 & 1 & 0 & 1 & 1 \\ 0 & 1 & 1 & 1 & 0 & 1 \\ 0 & 1 & 1 & 1 & 1 & 0 \end{bmatrix}$$

- 1 → 2 → 4
- 2 → 1 → 5 → 6
- 3 → 4 → 5 → 6
- 4 → 1 → 3 → 5 → 6
- 5 → 2 → 3 → 4 → 6
- 6 → 2 → 3 → 4 → 5

2



- $\begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & 1 \\ 1 & 1 & 0 & 1 \\ 0 & 1 & 1 & 0 \end{bmatrix}$

- 1 → 2 → 4 → 5
- 2 → 3 → 4 → 5
- 3 → 2 → 4 → 5
- 4 → 1 → 2 → 5
- 5 → 2 → 3 → 4

3. $G = (\{1,2,3,4,5,6\}, \{\{1,2\}, \{1,4\}, \{1,6\}, \{2,3\}, \{2,4\}, \{3,4\}, \{4,5\}, \{4,6\}, \{5,6\}, \{6,3\}\})$

1 → 6 → 5, 1 → 4 → 6 → 5, 1 → 4 → 5,

1 → 6 → 4 → 5, 1 → 2 → 4 → 5,

1 → 2 → 4 → 6 → 5, 1 → 2 → 3 → 4 → 5,

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

- (3, 2, 6, 5, 4, 3), (3, 2, 6, 4, 3), (3, 2, 1, 6, 5, 4, 3)

0	1	0	1	0	1
1	0	1	1	0	1
0	1	0	1	0	0
1	1	1	0	1	1
0	0	0	1	0	1
1	1	0	1	1	0

B0009d9d3
Joseph Tio

1	→	2 → 4 → 6
2	→	3 → 4
3	→	4
4	→	5 → 6
5	→	6
6	→	2