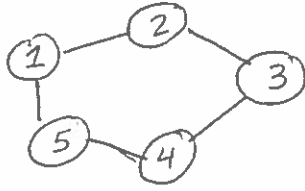
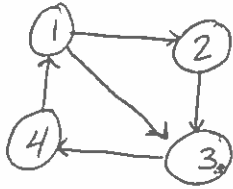


I 3. $G = (\{1, 2, 3, 4, 5\}, \{\{1, 2\}, \{2, 3\}, \{3, 4\}, \{4, 5\}, \{1, 5\}\})$



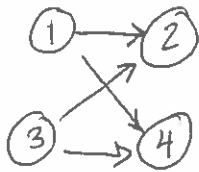
Graph diagram

II ~~46~~. $G = (\{1, 2, 3, 4\}, \{(1, 2), (2, 3), (3, 4), (4, 1), (1, 3)\})$



\Rightarrow not a DAG
cycle: $\{1, 2, 3, 4\}$

7. Adjacency matrix for $5a$



	1	2	3	4
1	0	0	0	0
2	0	0	1	0
3	0	0	0	0
4	1	0	1	0