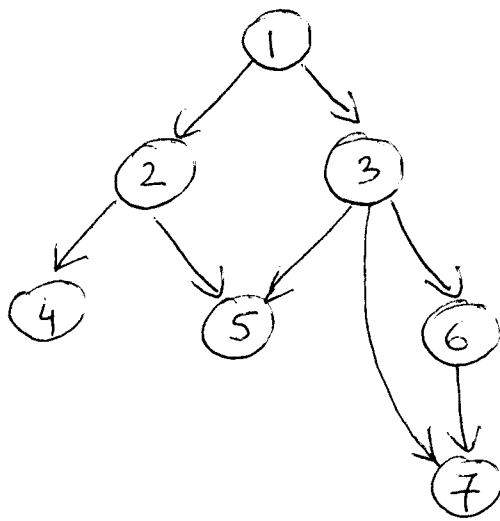


1)



$$G = (V_G, E_G)$$

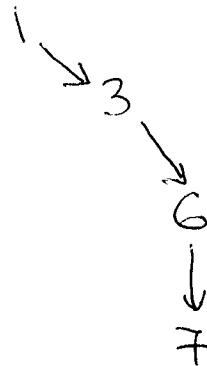
2) Some consistent sub-DAGs

- | | | |
|---------|---------------|------------------|
| 1) 1 | 4) 1, 2, 3 | 7) 1, 2, 3, 4, 5 |
| 2) 1, 2 | 5) 1, 2, 4 | ⋮ |
| 3) 1, 3 | 6) 1, 2, 3, 5 | ⋮ |

3) sub-DAGs that are not consistent

- 1) 2, 3 → (node 1 is missing as it is the parent of 2 & 3)
- 2) 1, 2, 5 → (node 3 is missing as it is the parent of 5)
- 3) 1, 3, 7 → (node 6 is missing)

4) This graph



← is NOT a consistent sub-DAG because edge (3, 7) is missing.