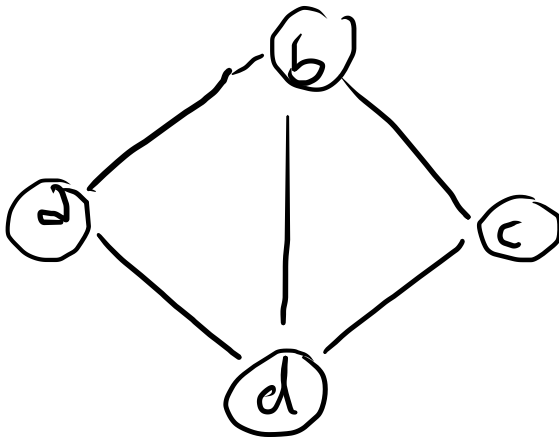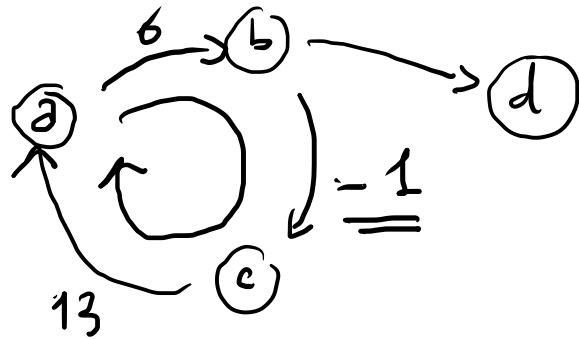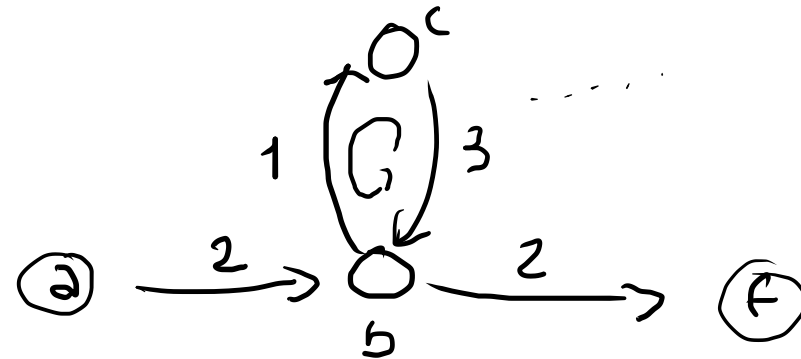$$6 + 5 + 2 = \underline{13}$$

DAG

DIRECTED ACYCLIC GRAPH