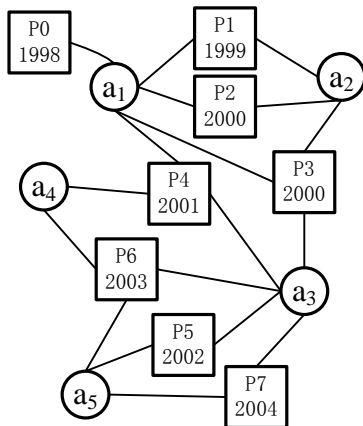
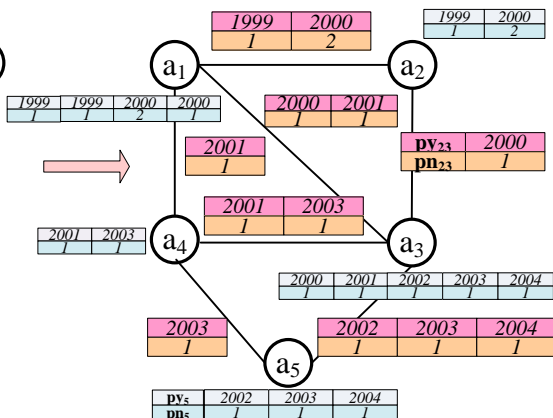


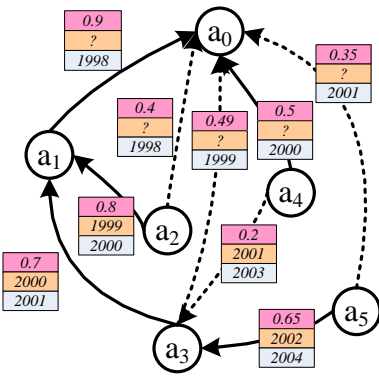
G: temporal collaboration network



G': homogeneous collaboration network



H: chrological DAG with ranking



H': candidate DAG

