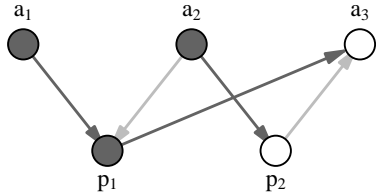


a) directed network



b) alternative bipartite representation

