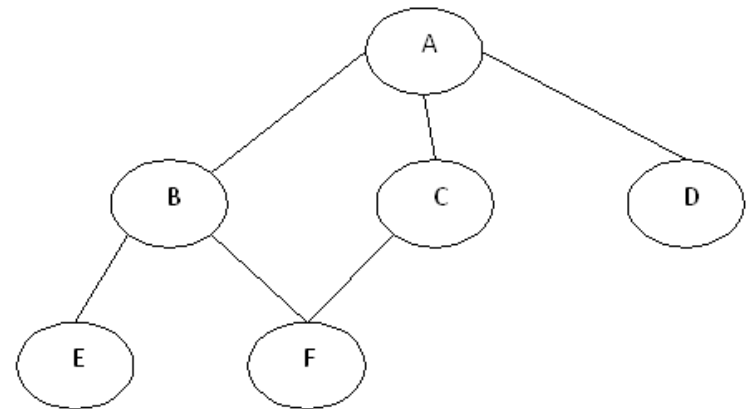


Some sample questions

DMSN 2014

Graph properties

- nodes, links, paths, and connected component, node degree, centrality
- random graphs real world social networks
- Small world networks, clustering



Social nets process and dynamics

- Centrality and its measures
- Clusters and community detection methods
- Preferential attachment
- Weak ties and information spreading
- Difference between epidemics and cascades.
- Epidemic spreading models
- Immunization methods

Data and applications

- Advertising models: phones versus web
- Profiling and privacy, what are the requirements of a privacy-preserving system?
- What role would the third parties play?
- What is personal data? What are the privacy risks?