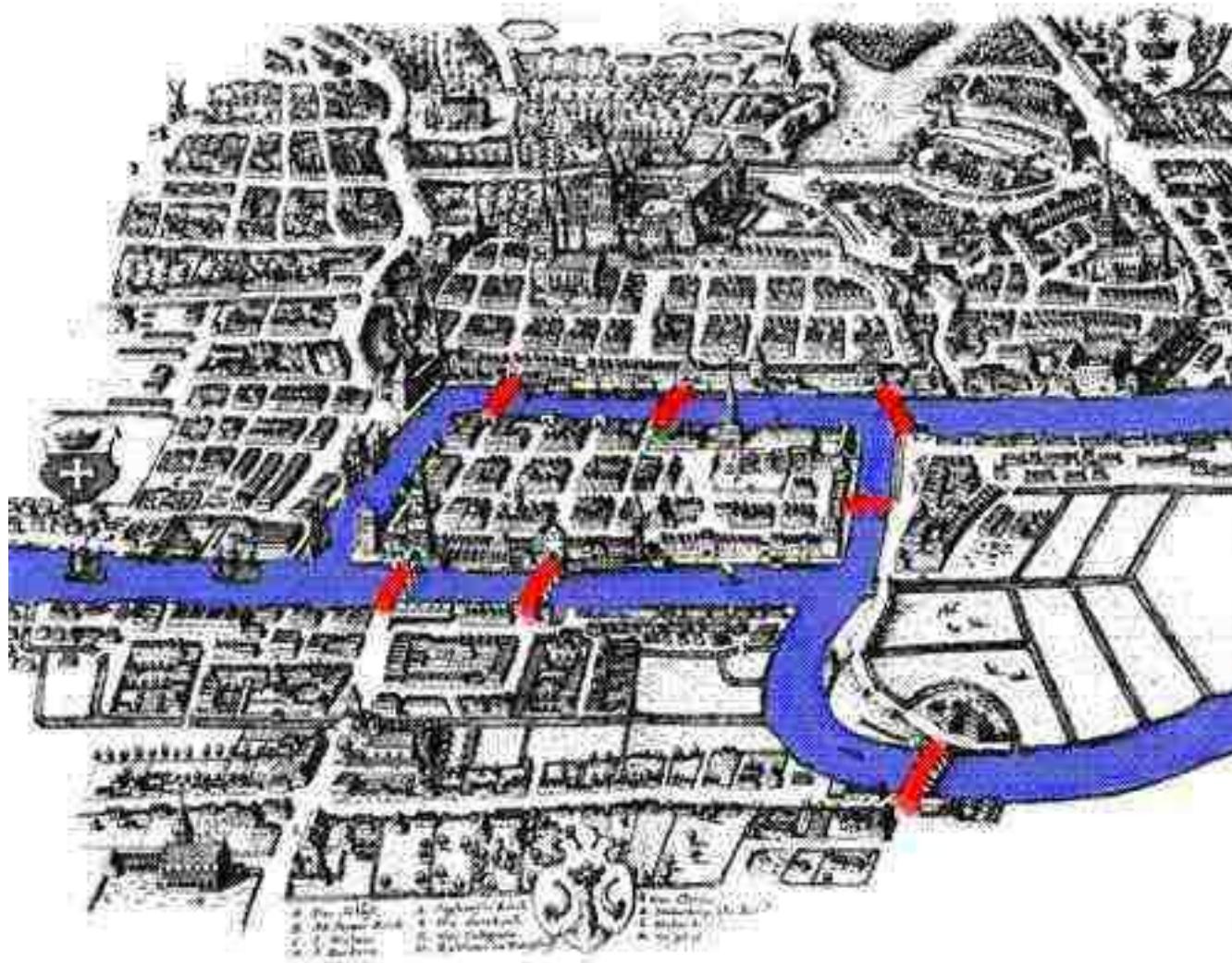
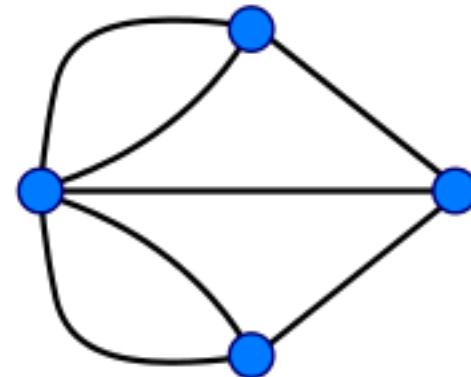


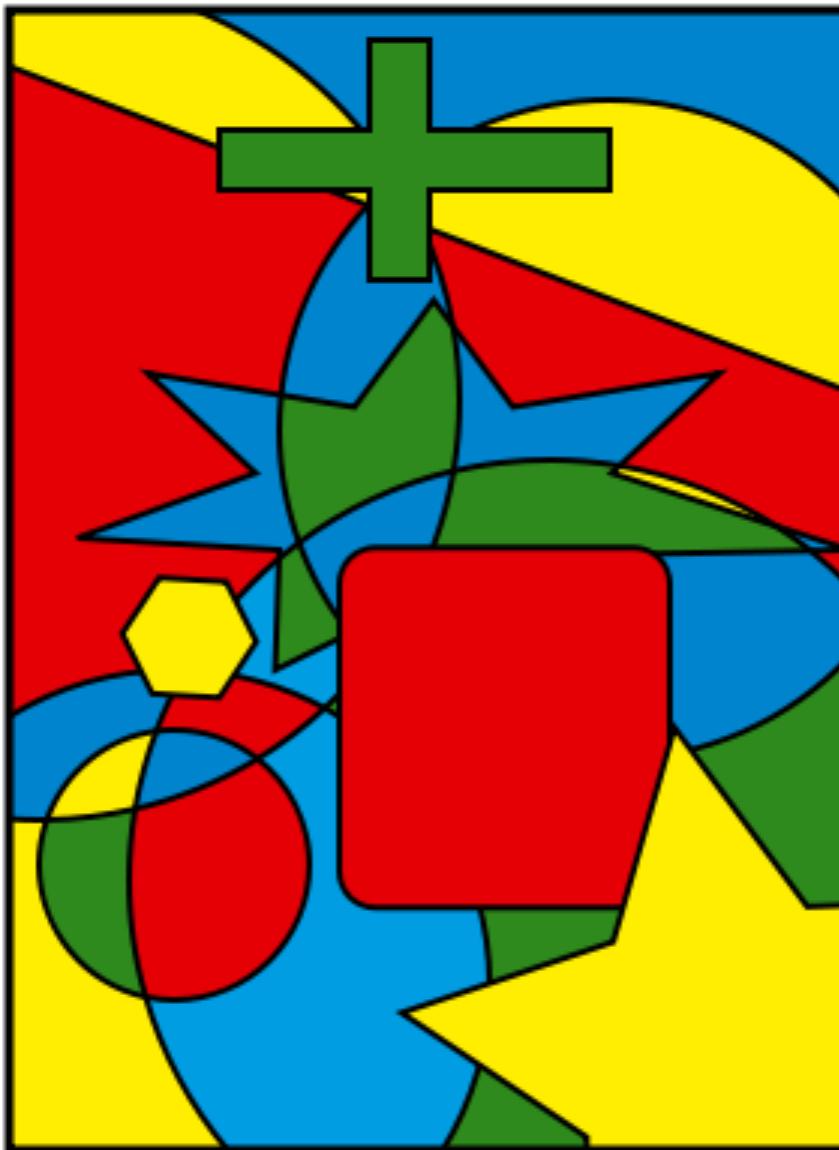
# Introducing Networks

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# The bridge problem

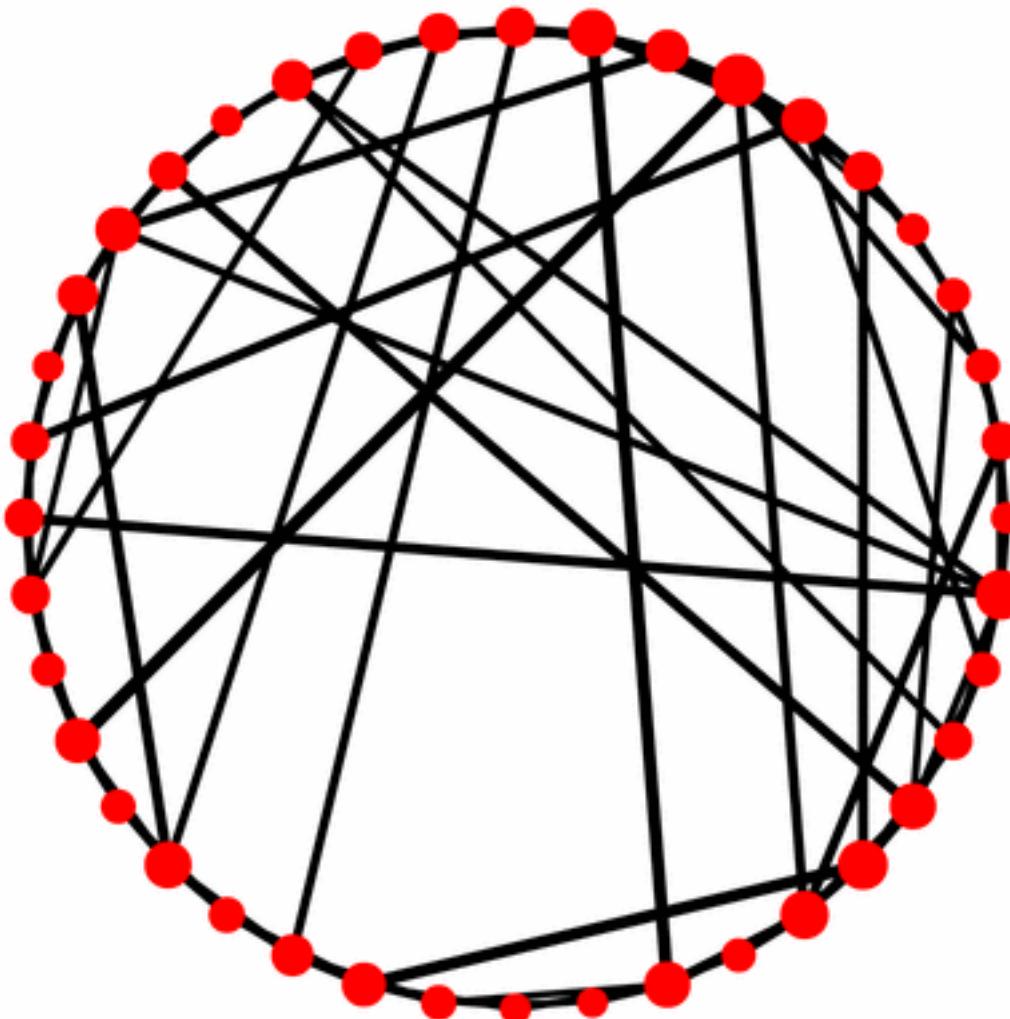


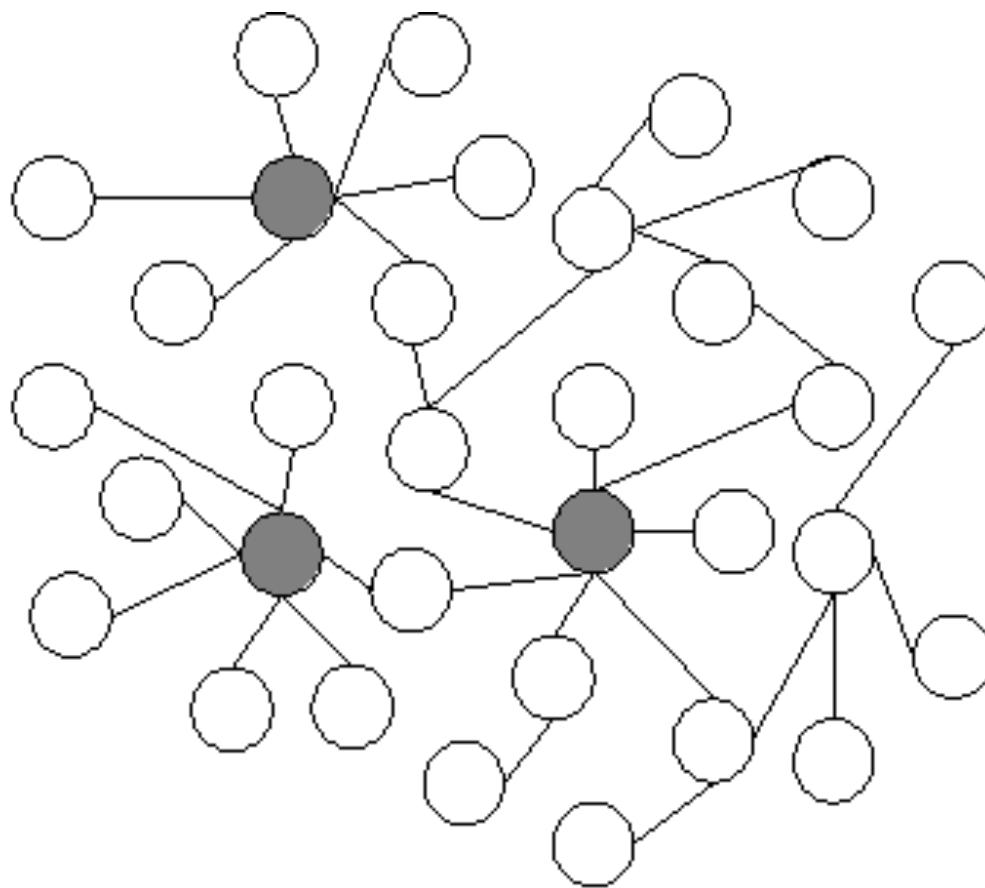




<https://commons.wikimedia.org/w/index.php?curid=1680050>

# Random Networks

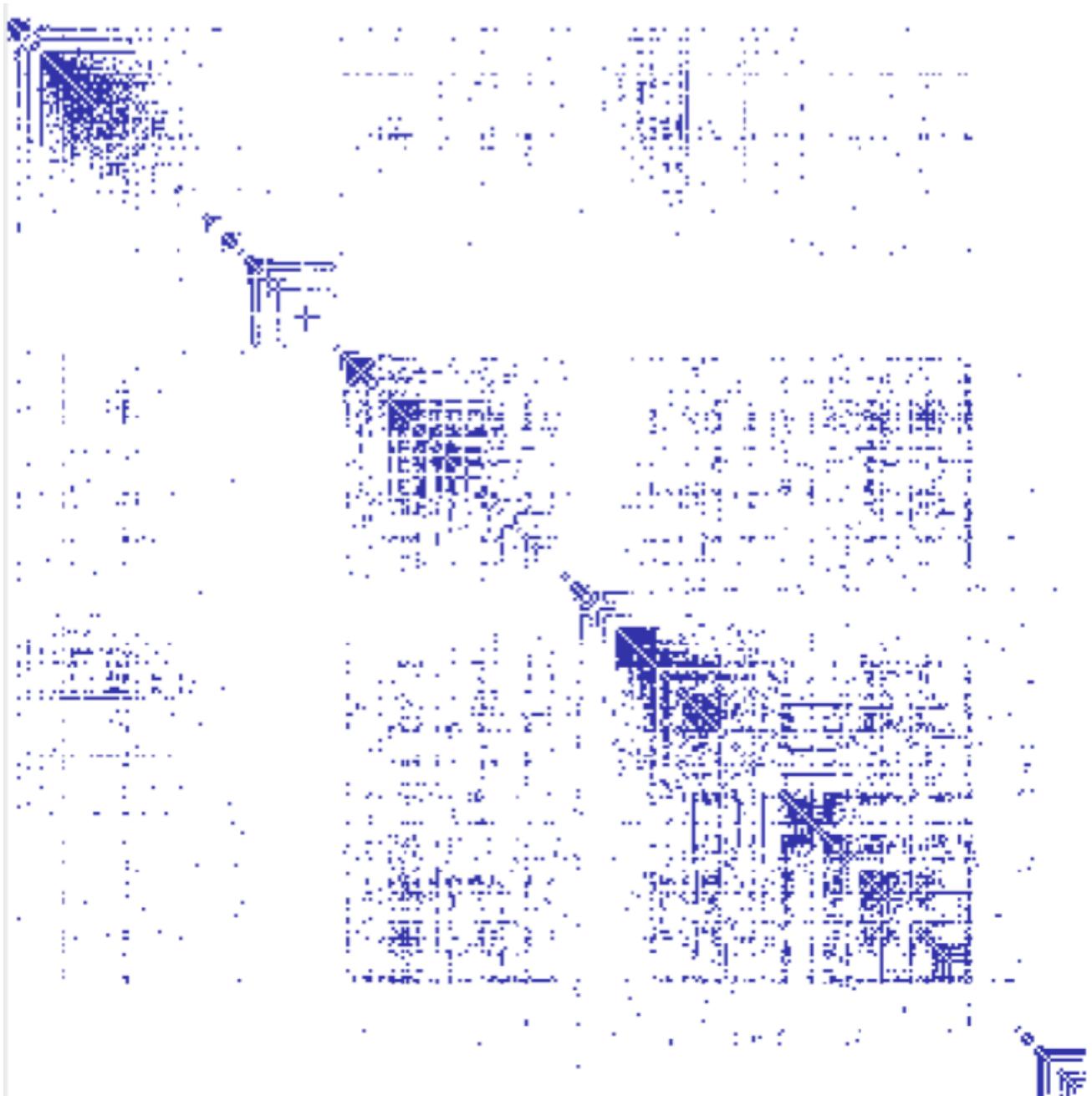




<https://commons.wikimedia.org/w/index.php?curid=646994>

# Network Vis

# Data



Tournaments

Organization charts

Genealogy

Diagramming (e.g., Visio)

Biological interactions (genes,  
proteins)

Computer networks

Social networks

Simulation and modeling

Integrated circuit design

# Nodes and Links

How do we draw  
the nodes?

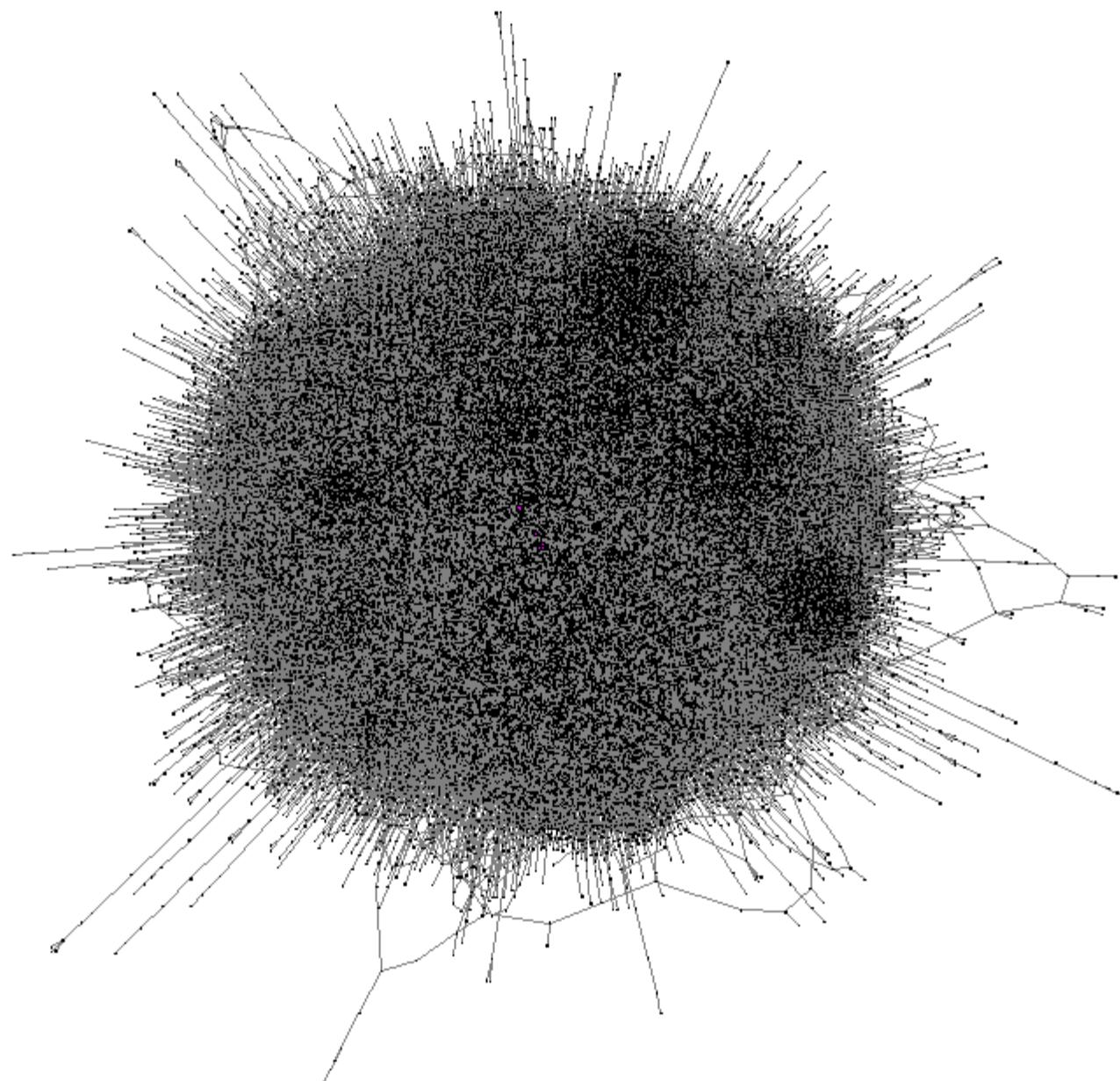


Shape  
Color  
Size  
Location  
Label

How do we draw  
the links?



Color  
Size  
Label  
Form



# Layout Algorithms

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Physics-based (VV)

“Tidying” layouts

Radial

Circular

Hierarchical (+trees)



facebook

December 2010

Depends on the data!

# Berkeley

SCHOOL OF  
INFORMATION