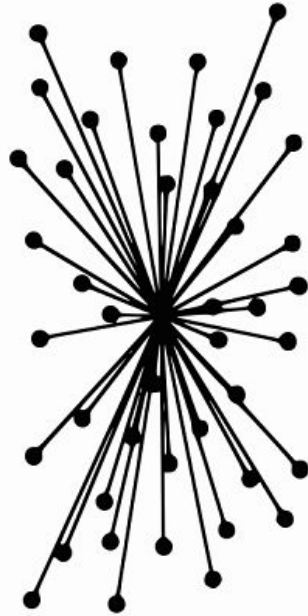
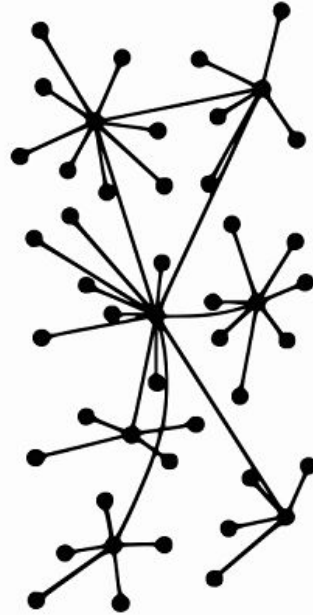


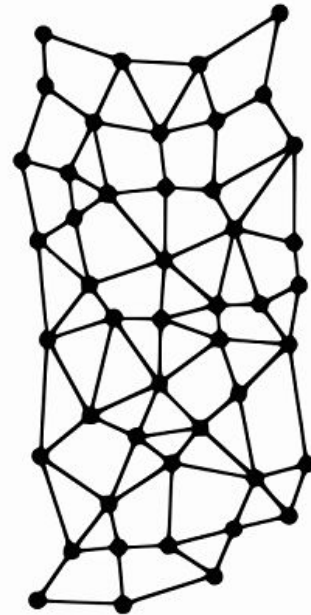
Decentralization



Centralized



Decentralized



Distributed

Decentralization

What are the benefits of using a decentralized approach to networking?

Decentralization

Users do not need to put their trust into a third party

- Organizations acting out self interest may exploit that trust
 - Examples: Facebook, Google, Instagram, etc...

Decentralization

There is less likely to be a single point of failure

- A decentralized network becomes “antifragile”
- Large portions of the network can experience down-time, and reconnect to peers later

Decentralization

Censorship resistance

- No central authority means no ability to censor the network
 - Laws are largely cultural and subjective

Decentralization

Generally decentralized software is open source

- Less barriers to entry for developers to contribute
- This opens of the ecosystem to the social capital of the world (or those who have access to the network)

Decentralization

High potential for network ownership alignment

- The network can become a public good
- Those that contribute value to the network, receive value in return proportional to contributions

Decentralization

A decentralized network is more likely to be meritocratic

- Without central entities, the best products and services can reach users

Decentralization

A decentralized network is more likely to be democratic

- No single entity has more authority than any other
- If you don't like how the network is operating, start your own! (Forks)