

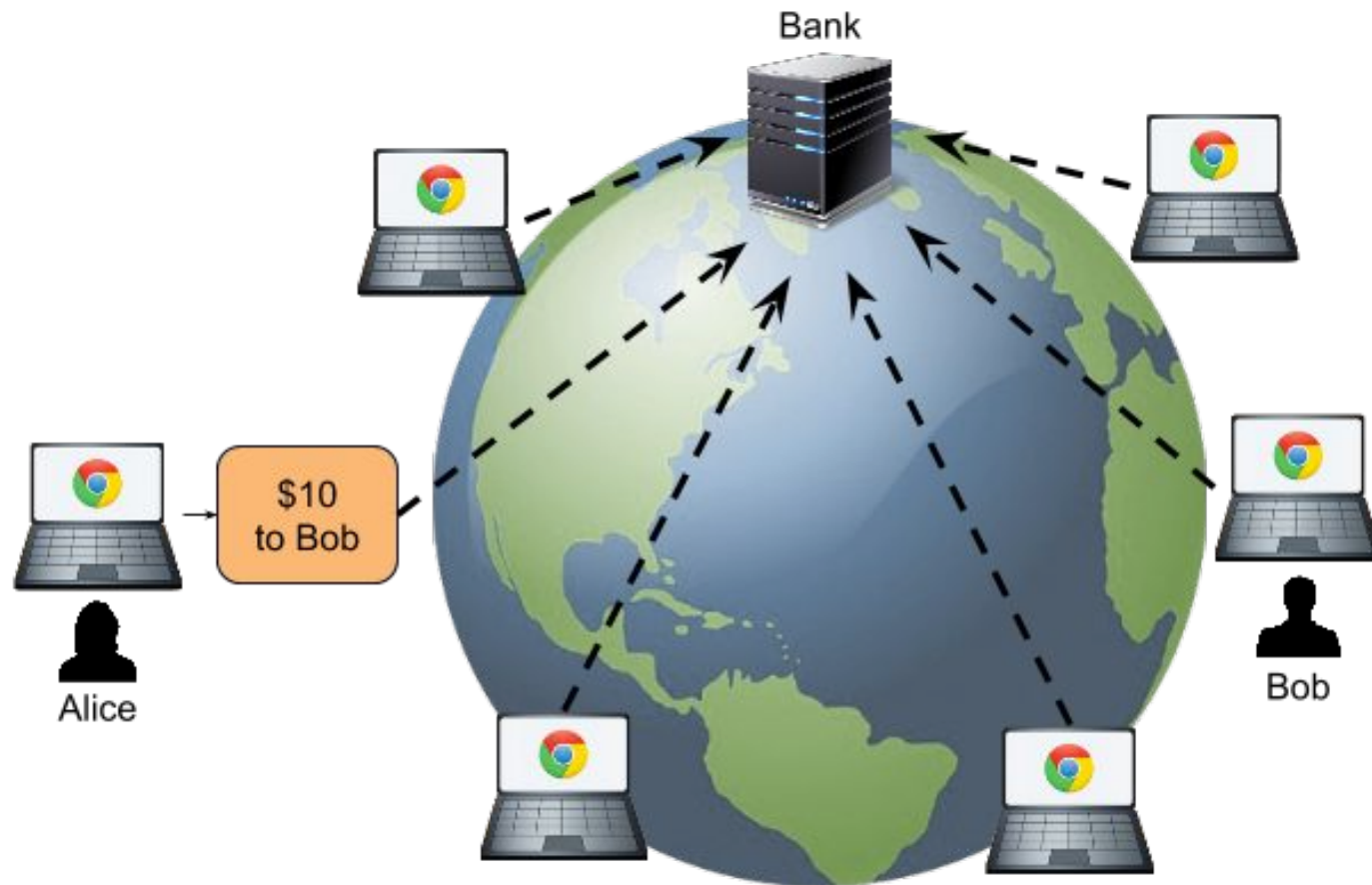
CRYPTOCURRENCY REVIEW

ABC Material
G. Almashaqbeh et al. 2019

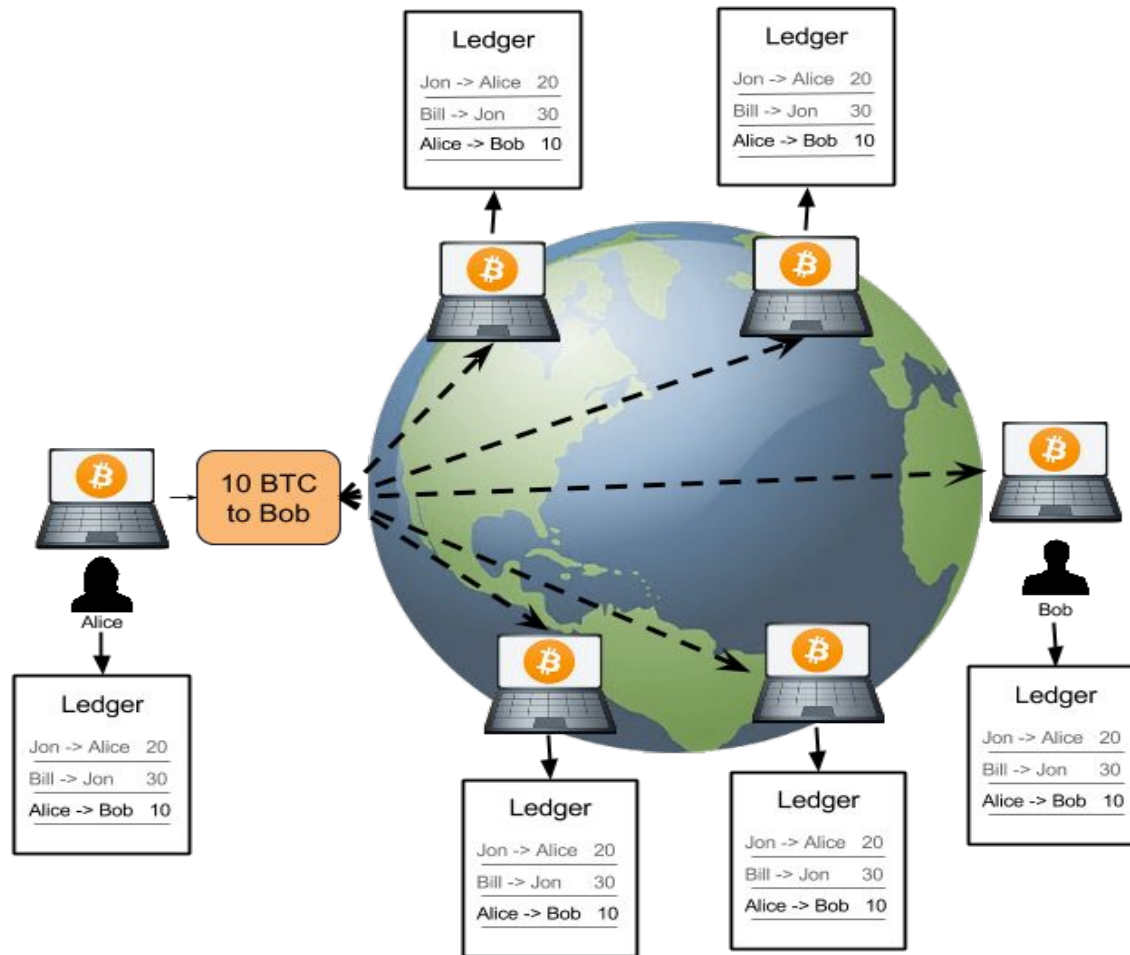
NOTICE

- Deep knowledge of cryptocurrencies is not essential for the purpose of this study.
- We will go over the general idea of resource-backed cryptocurrencies.
 - The high level overview provided here is enough to proceed in the study.

TRADITIONAL CENTRALIZED BANKING SYSTEMS



BITCOIN DECENTRALIZED CURRENCY SYSTEM



RESOURCE BACKED CRYPTOCURRENCIES

- Cryptocurrencies backed by a resource such as computation, storage, etc.
 - The system provides a distributed service on top of a currency exchange medium.
 - Anyone can participate in providing the service for others in order to collect cryptocurrency payments.
 - Involves the basic components of cryptocurrencies such as the blockchain, transactions, mining, etc.
- Think of it as a monetary-incentivised distributed service system.

RESOURCE BACKED CRYPTOCURRENCIES - EXAMPLE

- A distributed outsourcing computation system.
 - Any party with excessive computation power joins the system as a server.
 - Any party in need for the service joins the system as a client.
 - Clients submit computation jobs to the servers and pay them cryptocurrency tokens for the successfully completed jobs.
 - The blockchain is used as a trusted log to solve disputes.
 - The mining process could be tied to the service a server puts in the system.

