



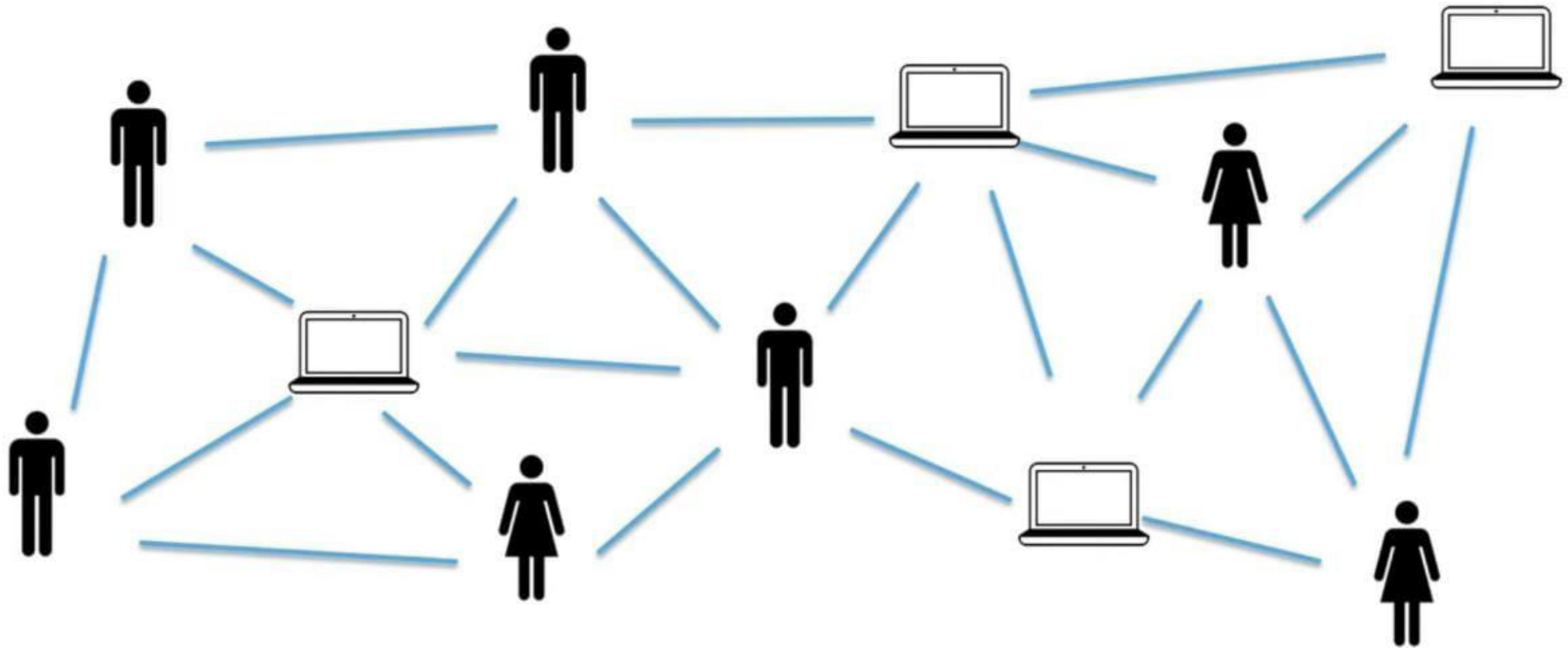
Blockchain and Cryptocurrency

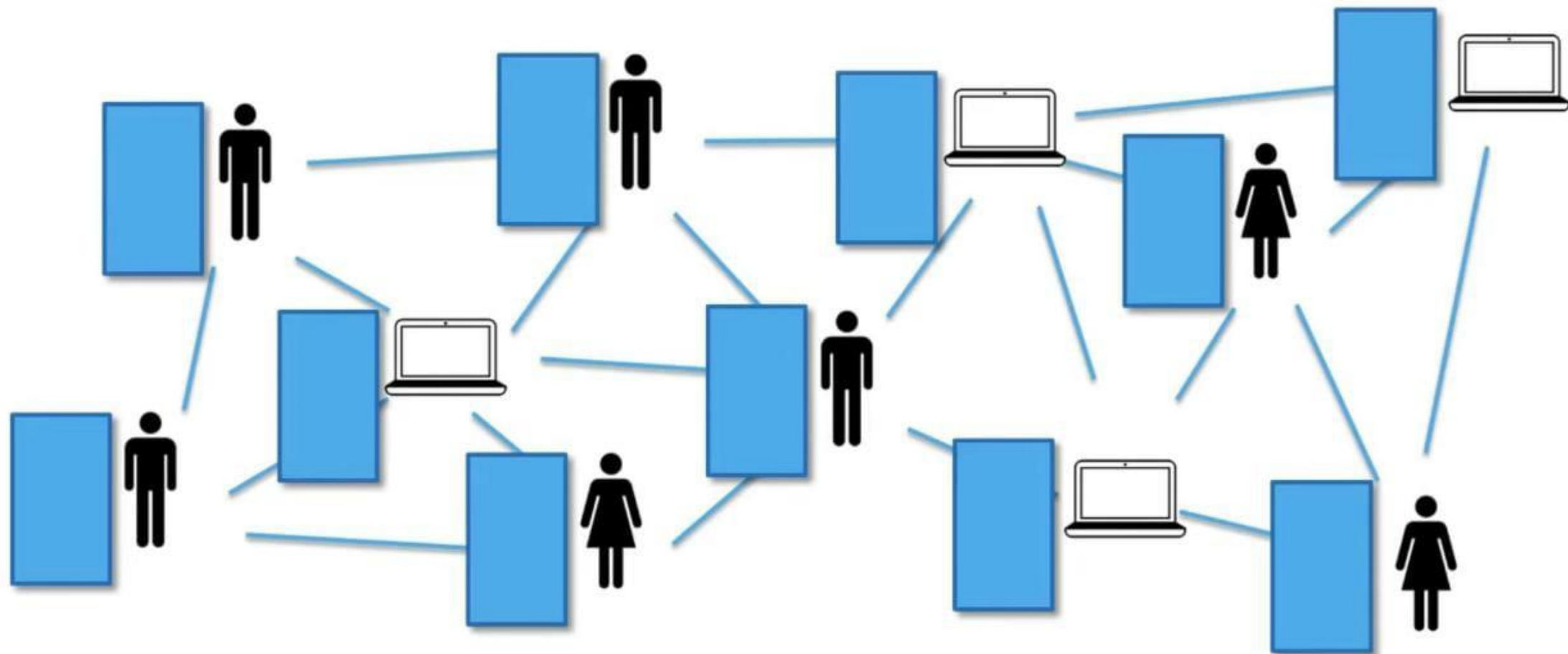
By: Syeda Tayyaba Bukhari

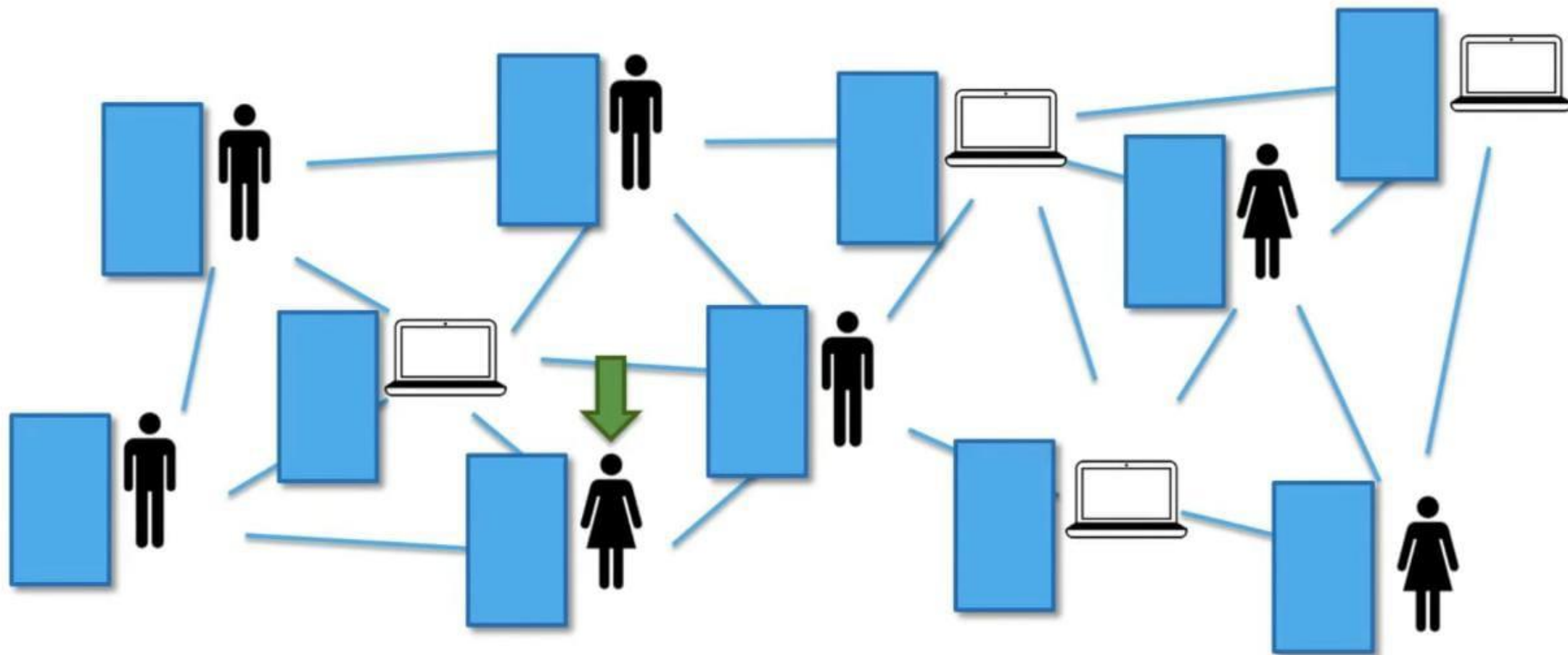


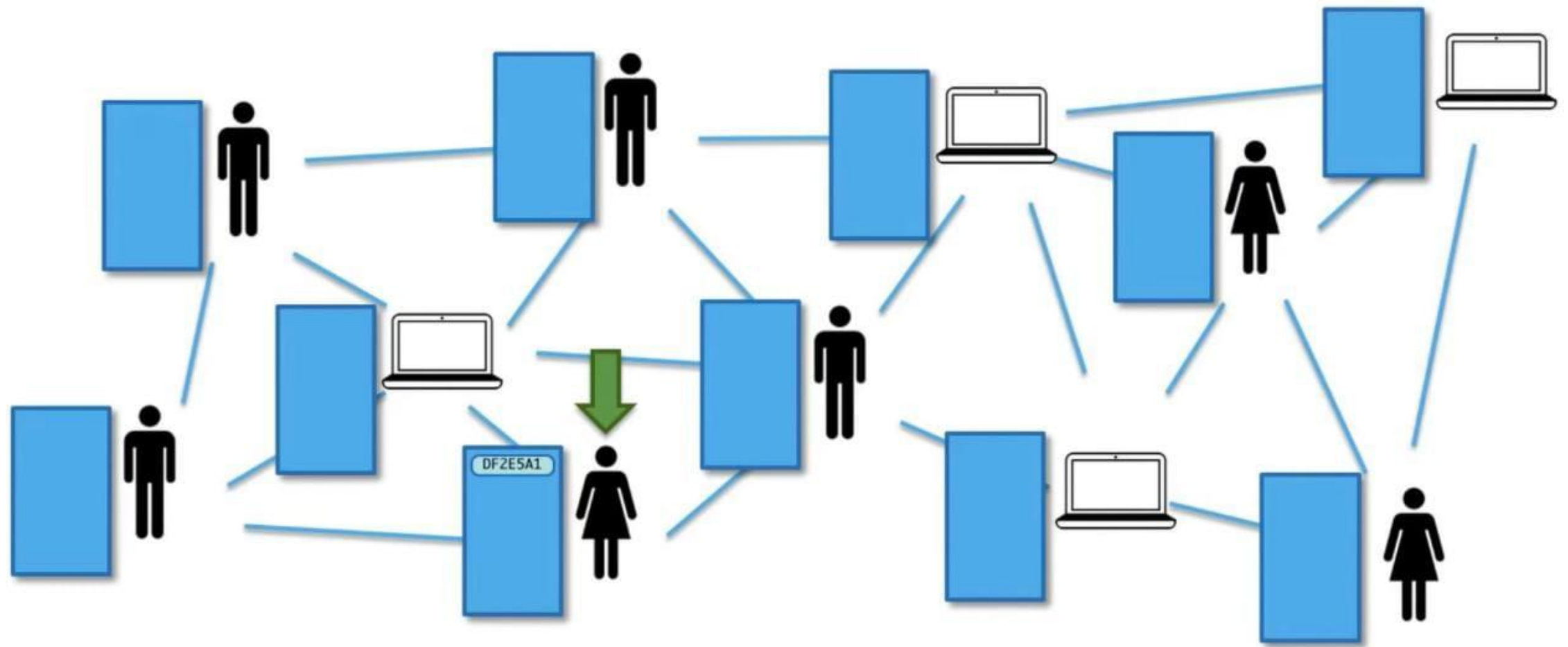
How do Mempools work? (Revision of last lecture)

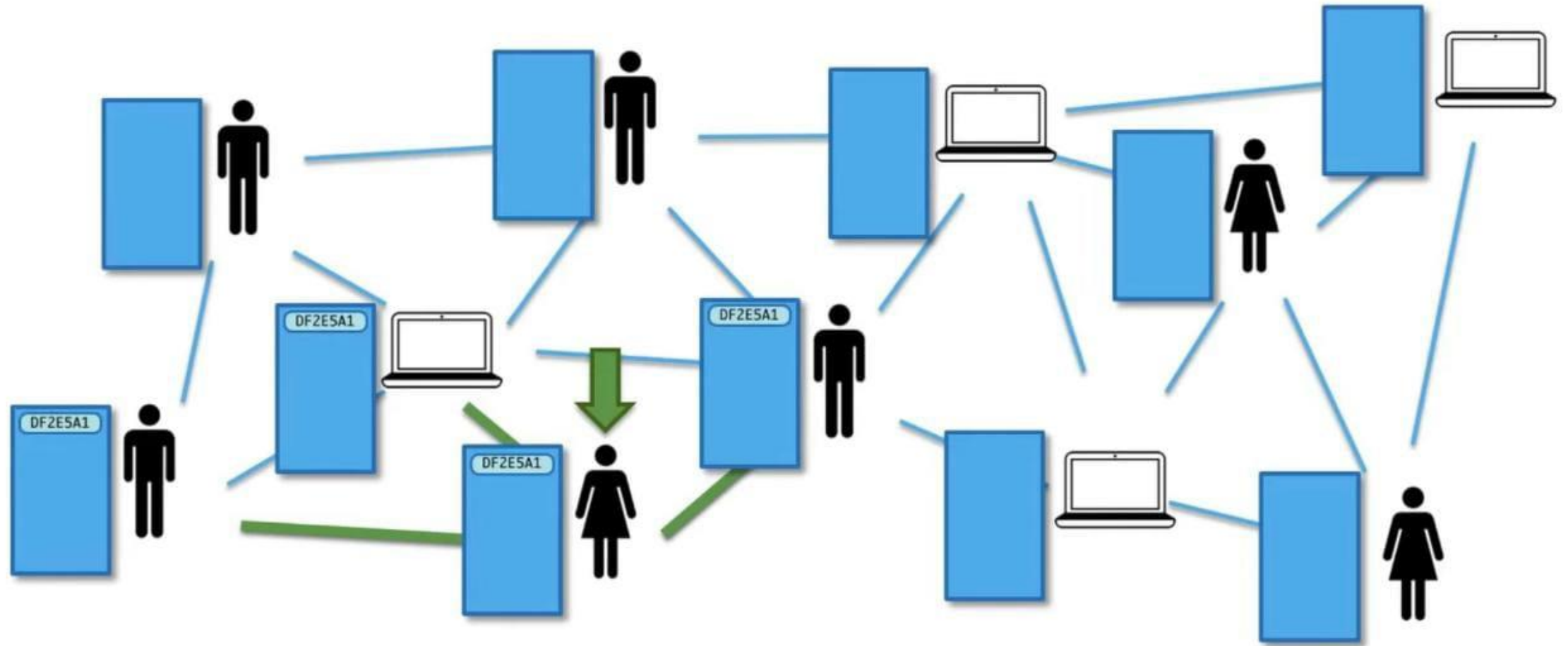
Network

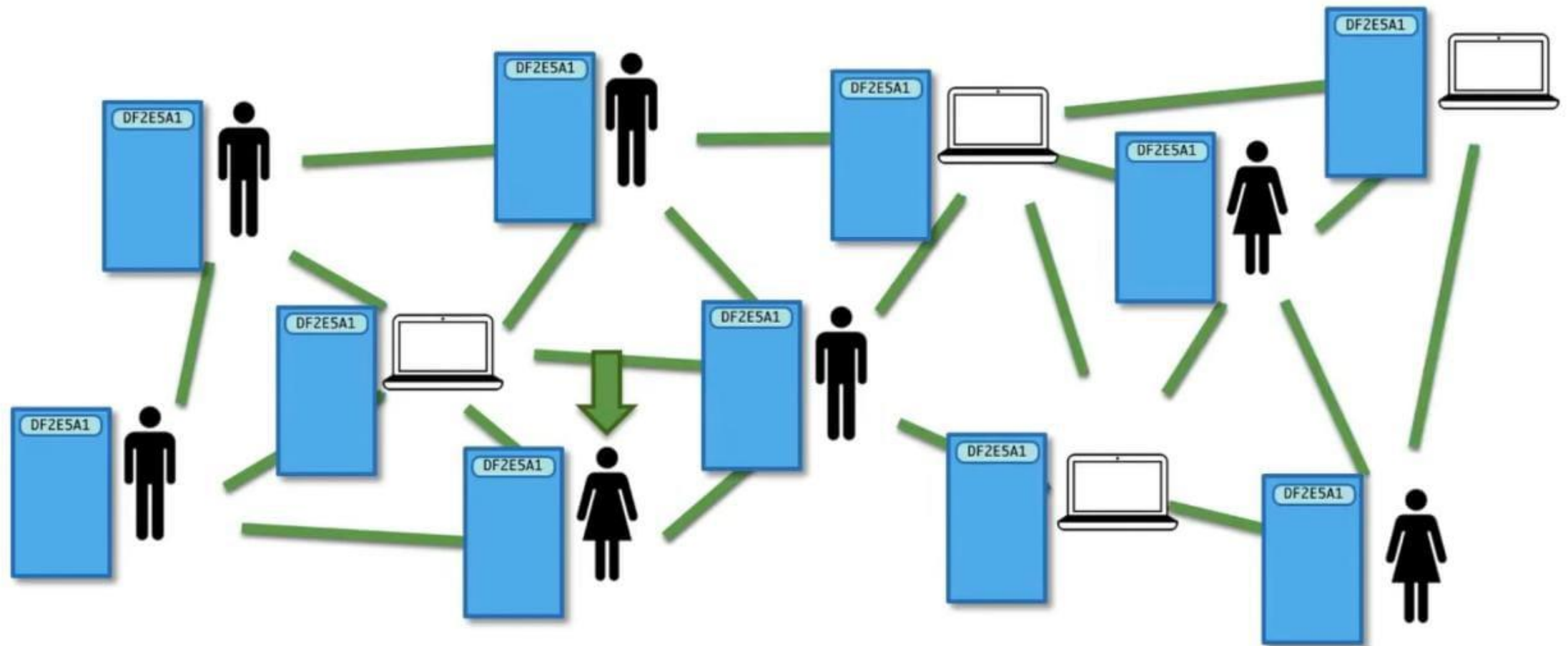


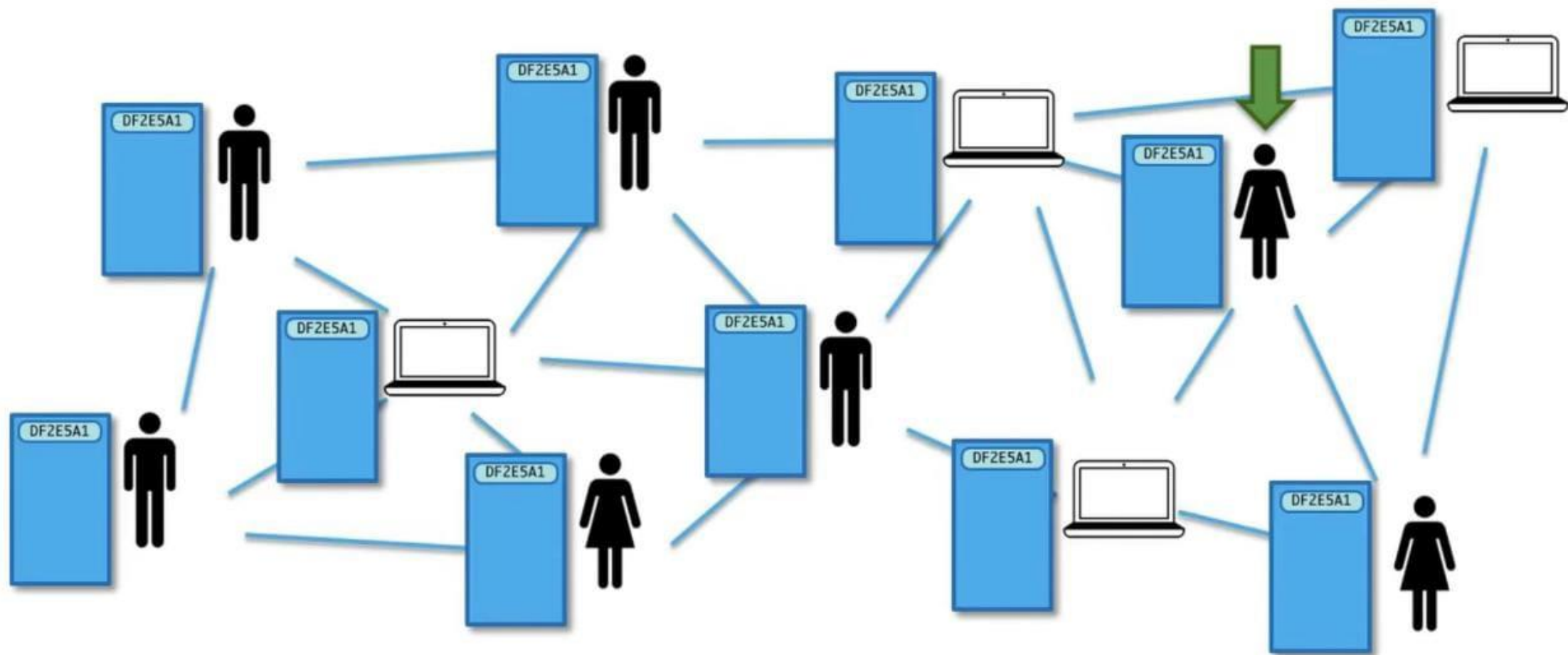


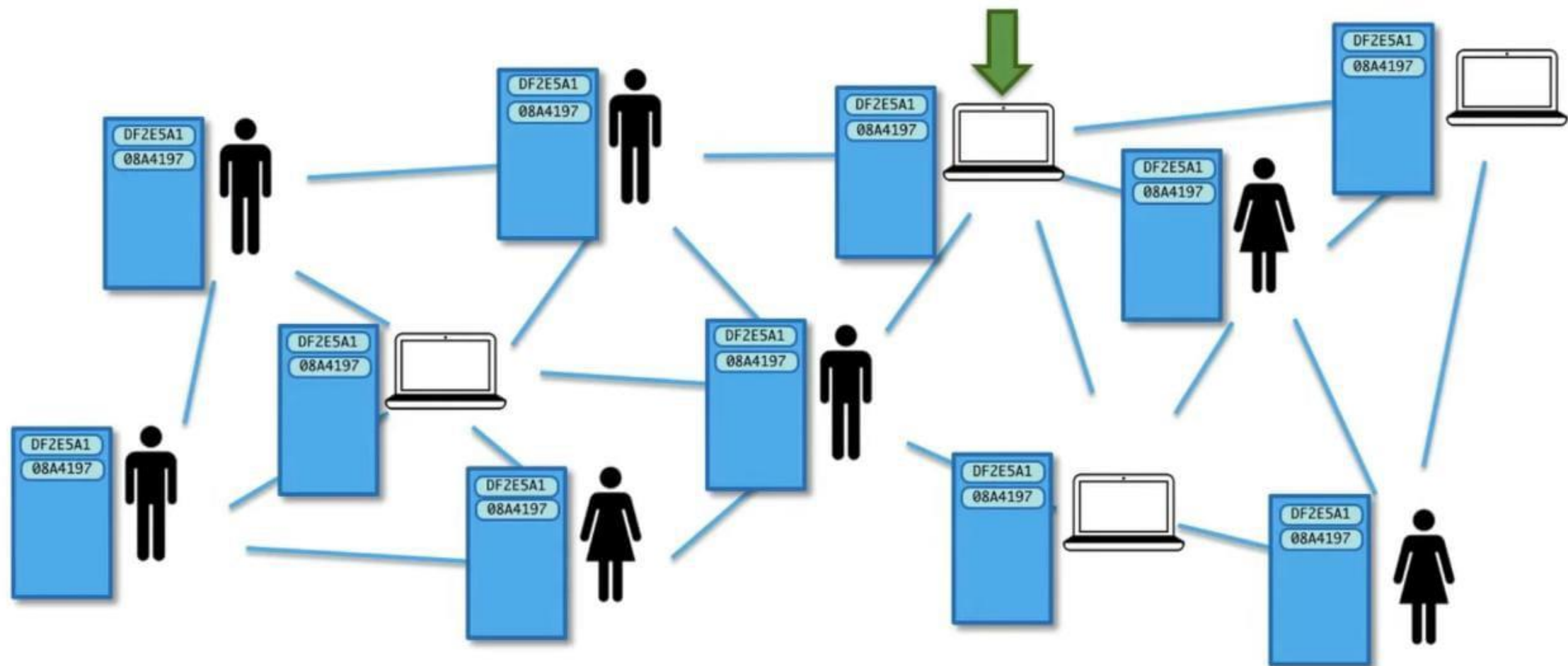


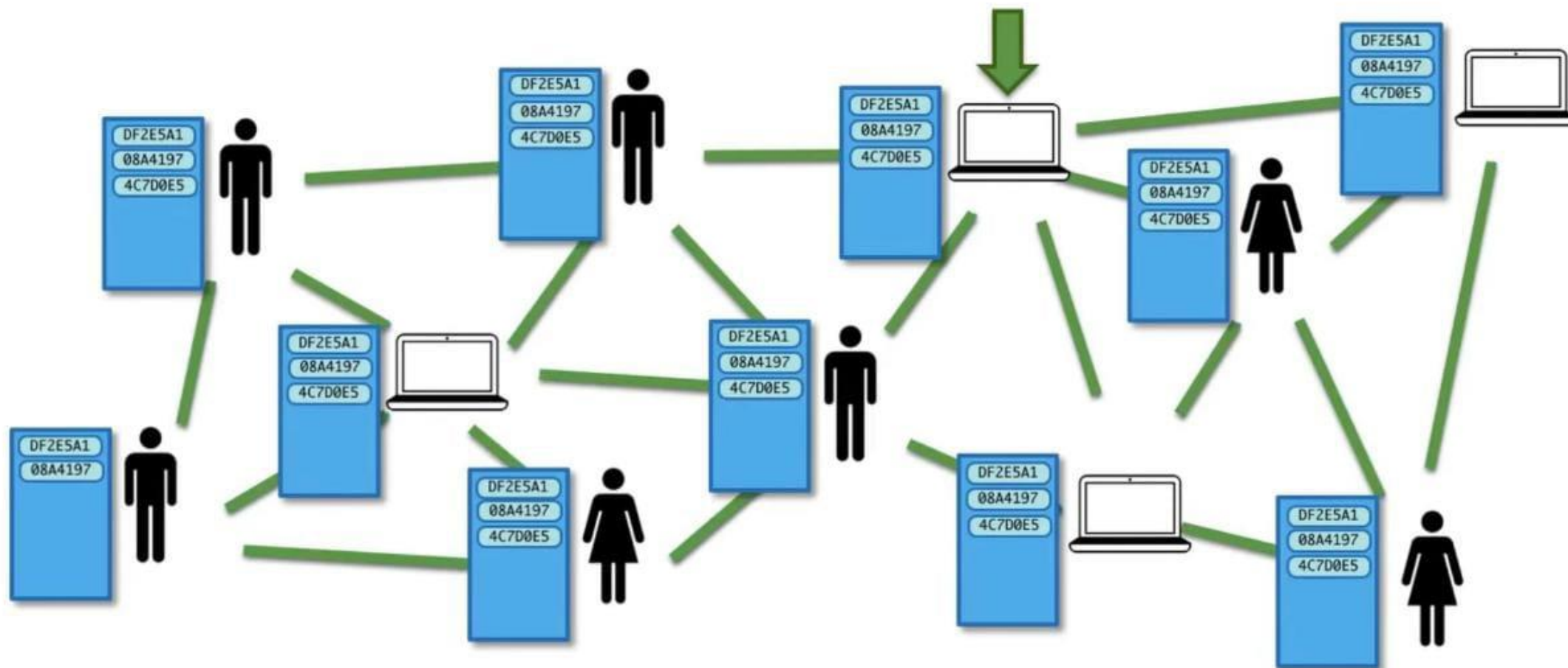


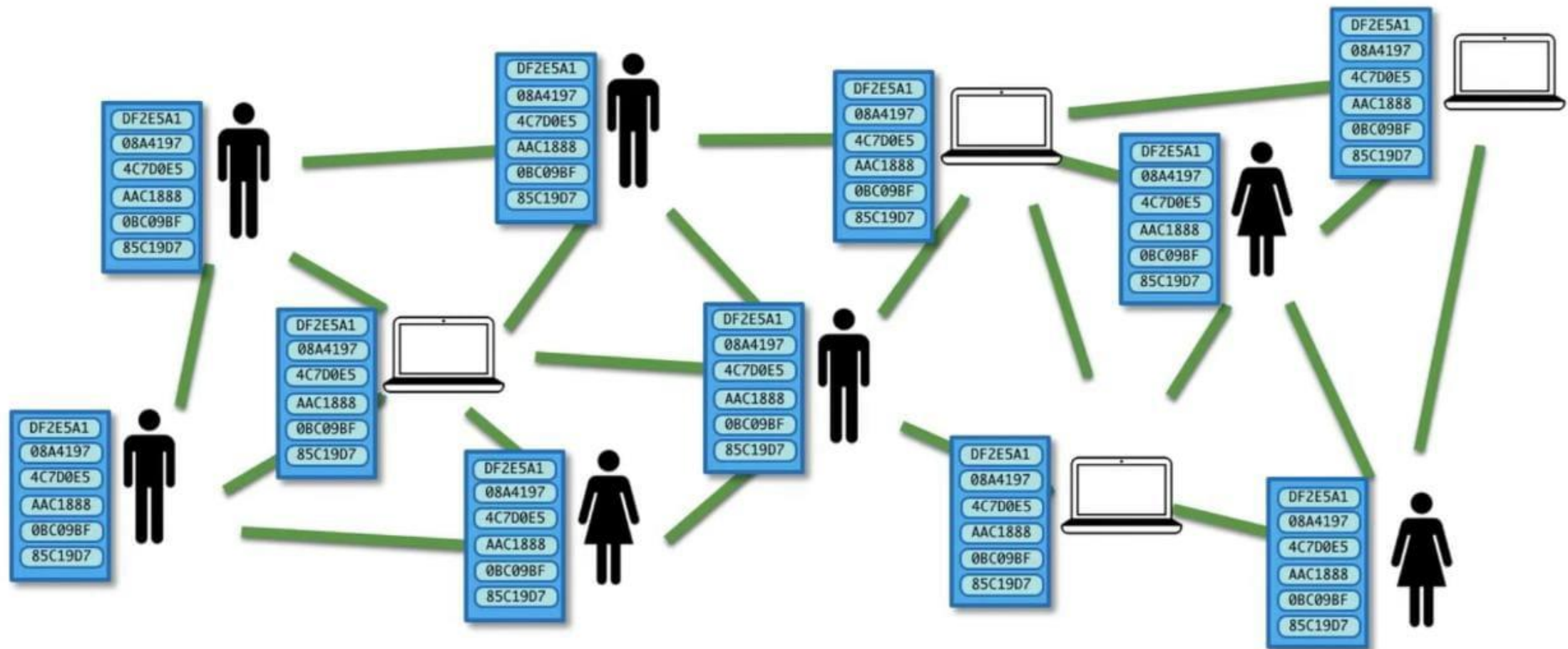


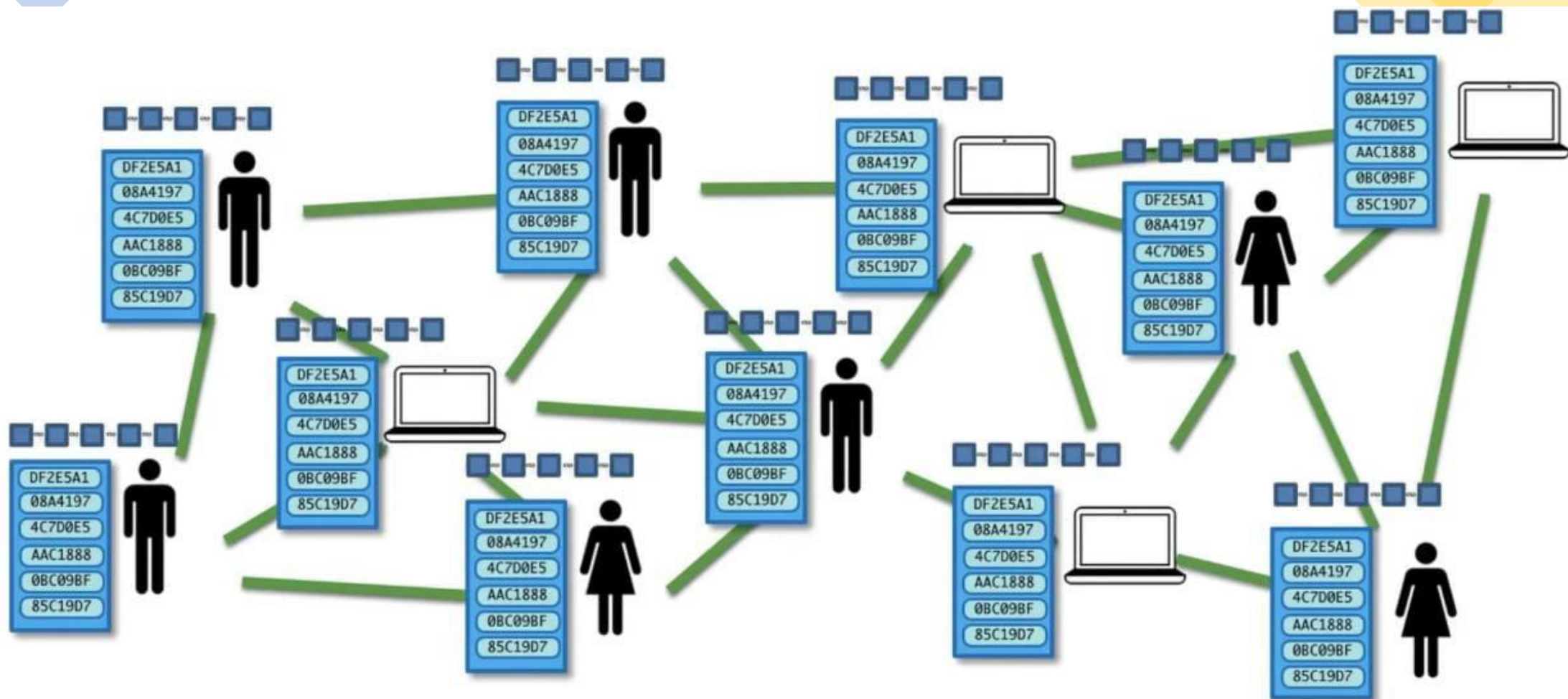


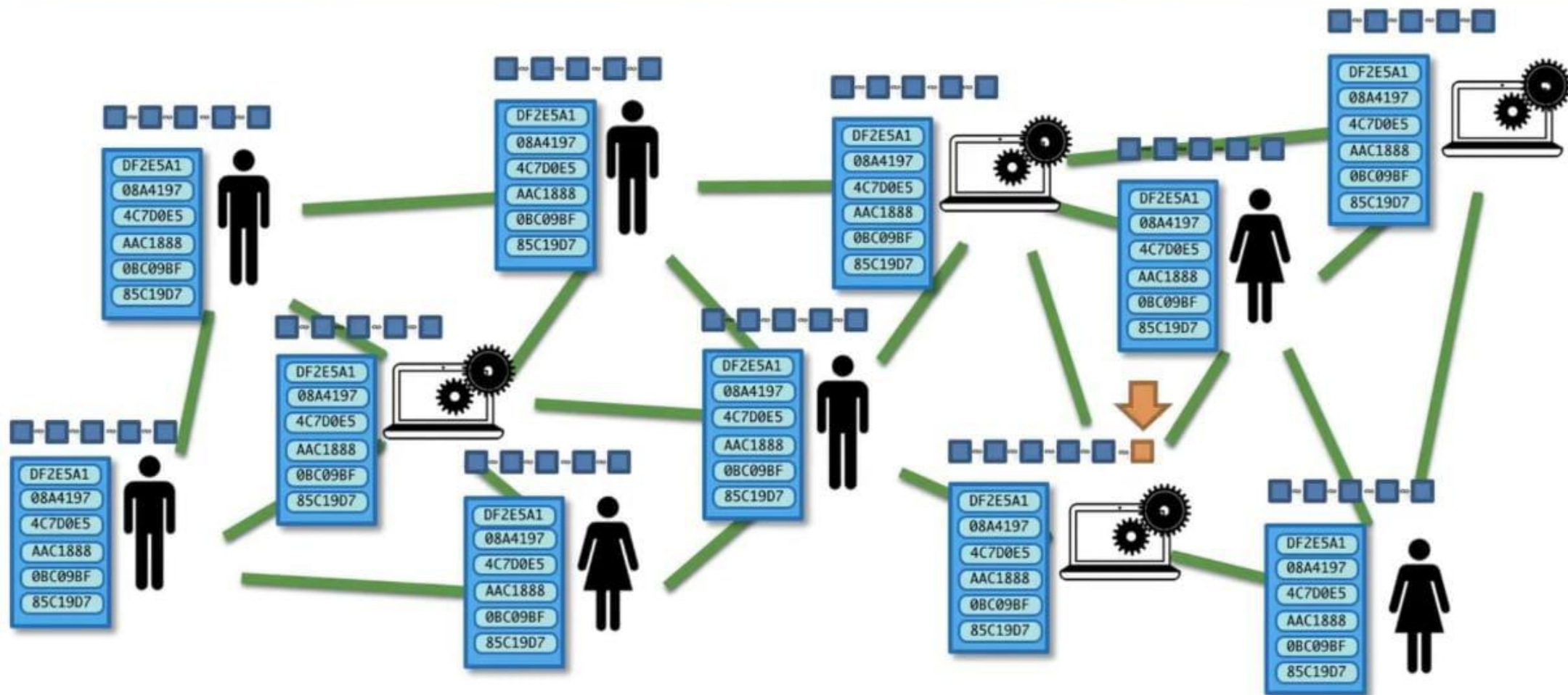


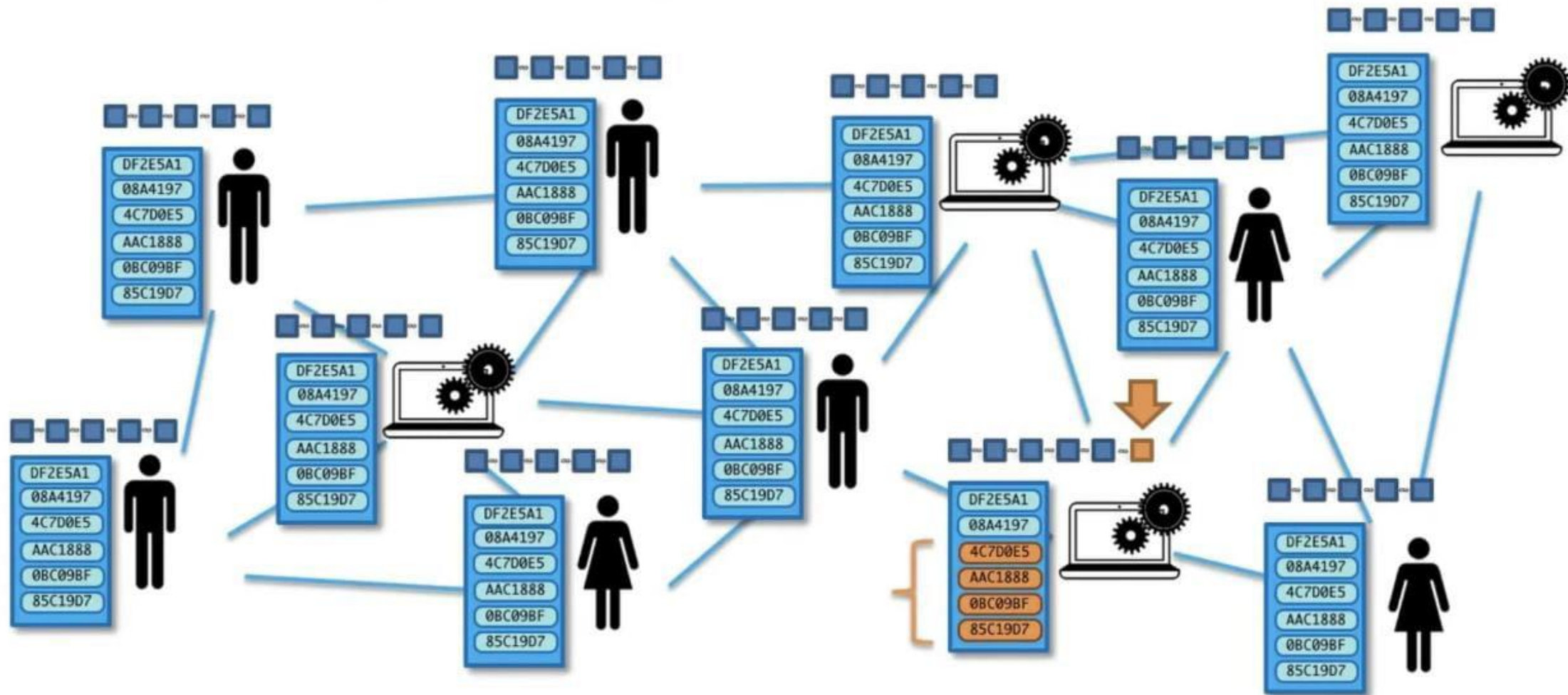


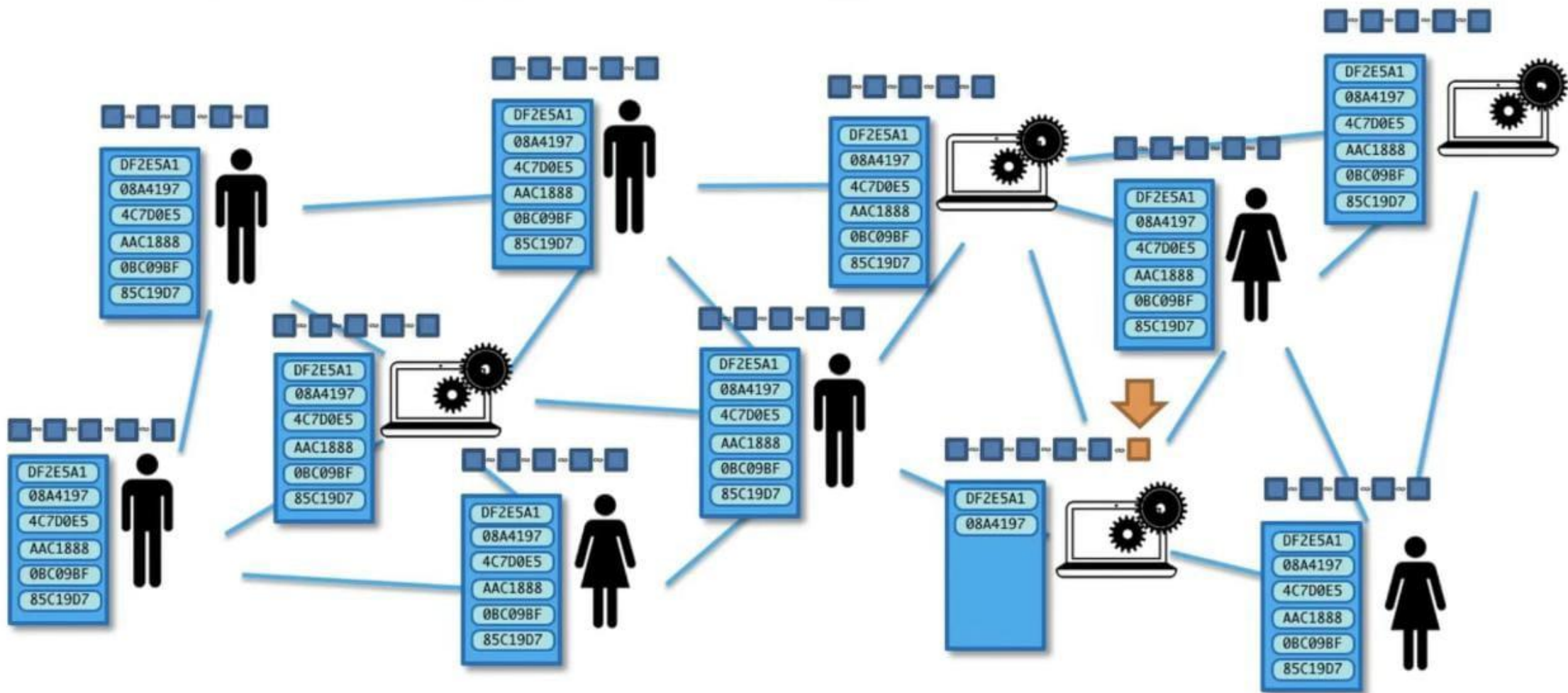


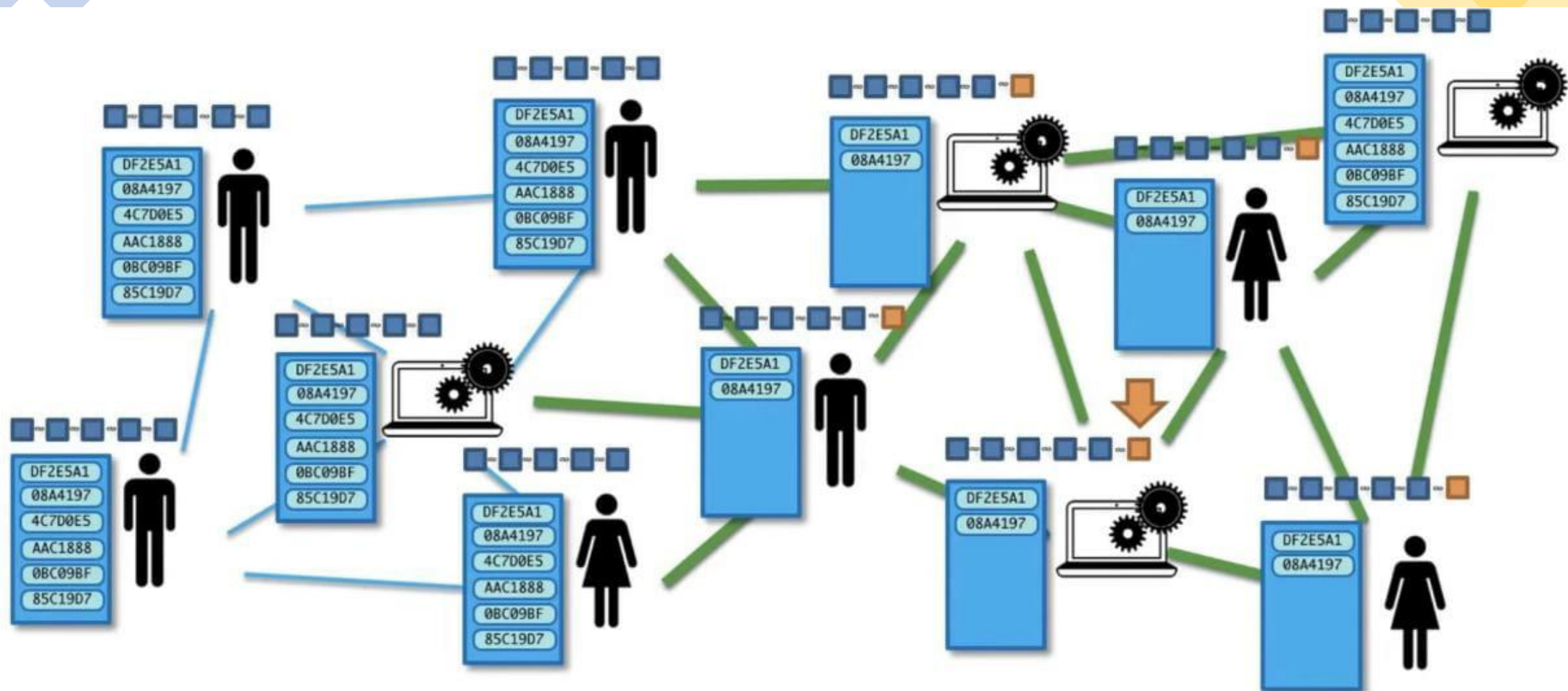


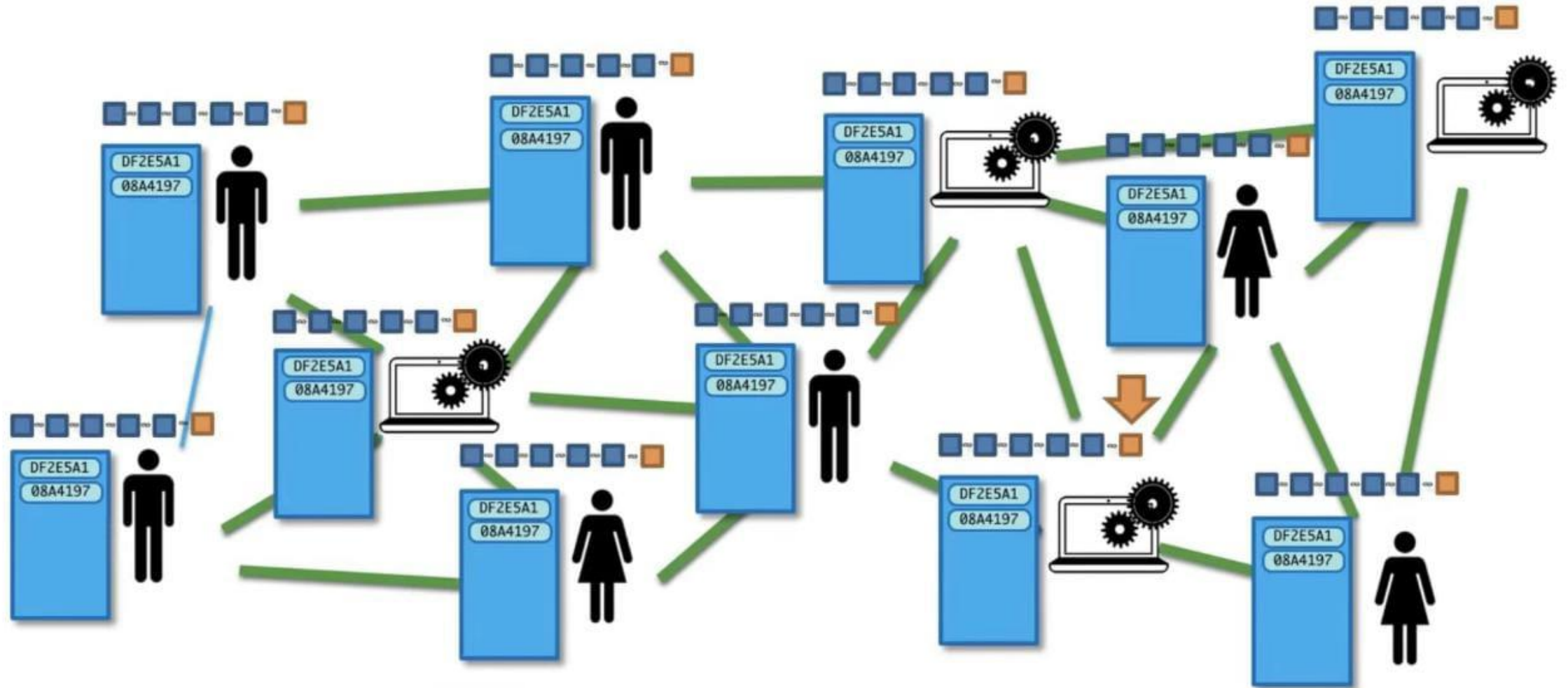


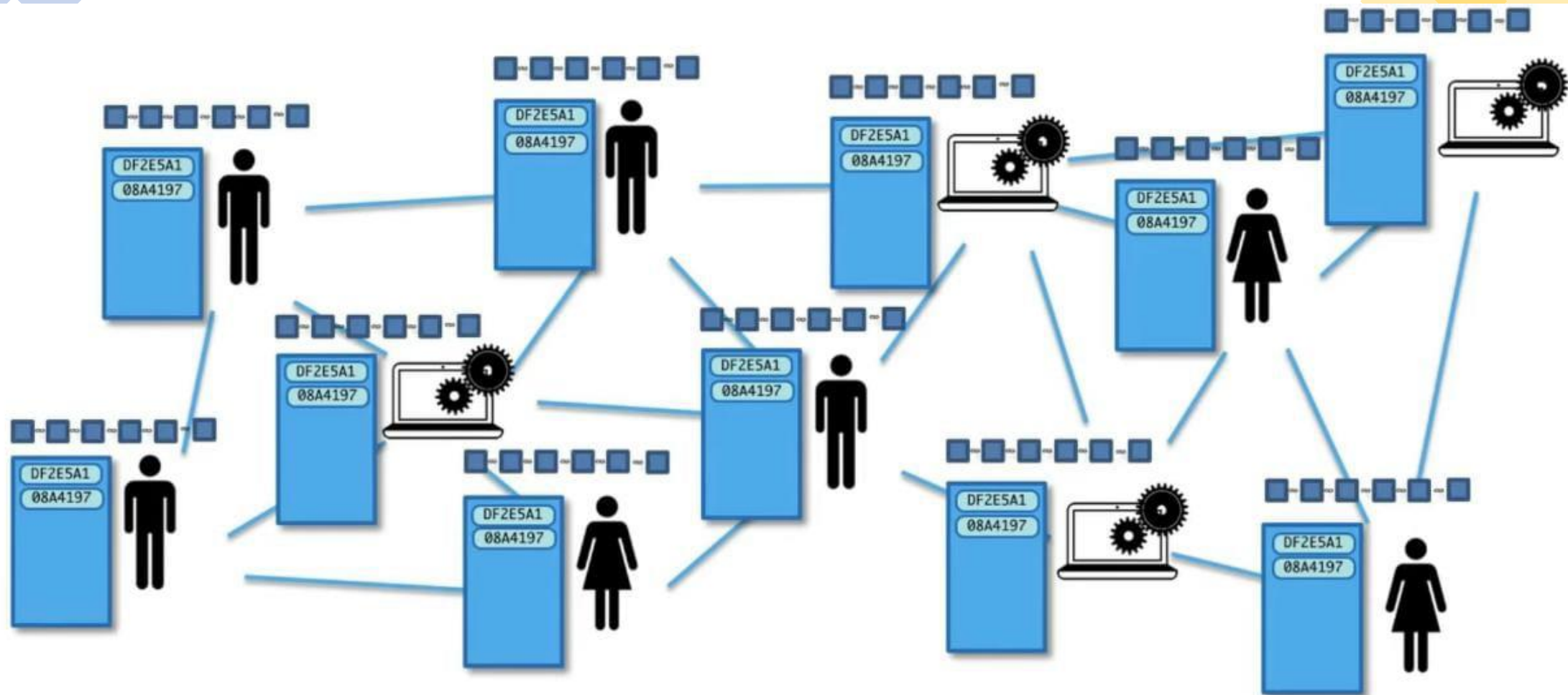














CPUs vs GPUs vs ASICs

CPU vs GPU vs ASIC

CPU = Central Processing Unit

General

< 10 MH/s

GPU = Graphics Processing Unit

Specialized

< 1 GH/s

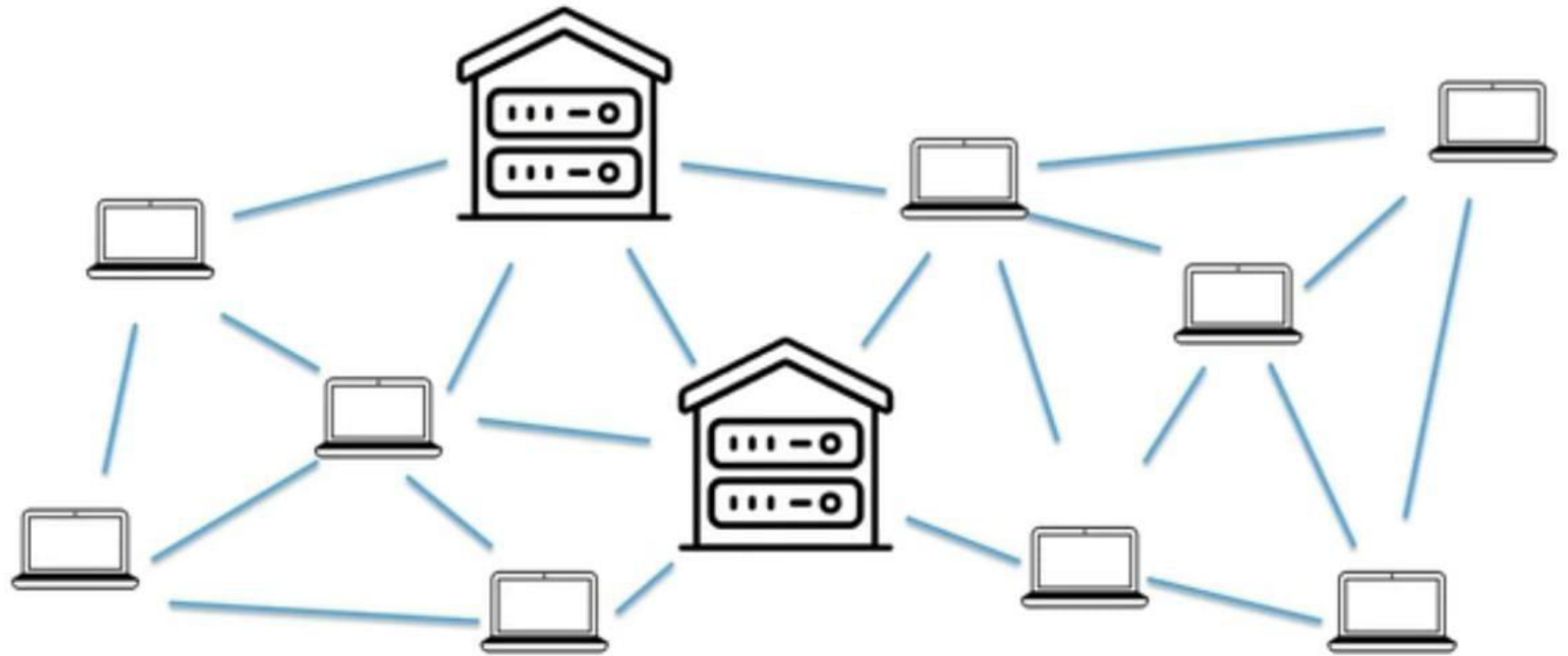
ASIC = Application-Specific Integrated Circuit

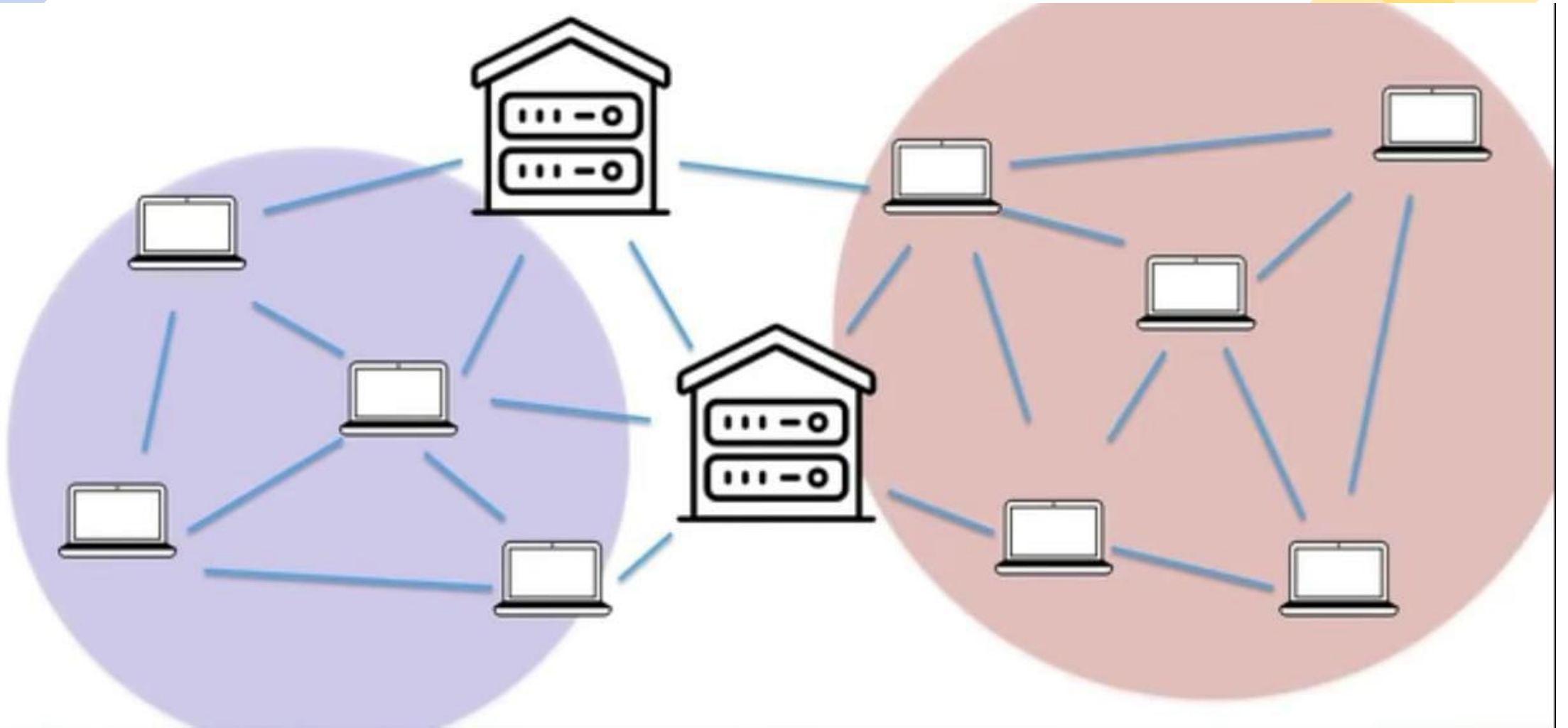
Totally Specialized

> 1,000 GH/s



Mining Pools







Shop by
category

Search for anything

All Categories

Search

Advanced

eBay > Coins & Paper Money > Virtual Currency > Miners

Share

Cryptocurrency GPU Mining Rig 3x GTX 1080 TI Ethereum Zcash Bitcoin Extras

★★★★★ 2 product ratings | [About this product](#)



6+

9 viewed per hour



New (other): lowest price

\$5,599.00

+ \$549.95 Shipping

Get it by Mon, Mar 5 - Thu, Apr 12 from New Baltimore, Michigan

- New other (see details) condition
- No returns, but backed by [eBay Money back guarantee](#)

**New
Easily Mine Zcash or Other Equihash Coins at 2250 Sol/s
(2250 h/s) @ 890W. Mine Zcash (ZEC), Bitcoin Gold (BTG)...*
[Read full description](#)

[See details >](#)

Qty: 1

Buy It Now

Add to cart

Watch

Sold by
[partdiscourer \(42407\)](#)
99.8% Positive feedback



51% Attack





Byzantine Fault Tolerance

- If our system has $\frac{1}{3}$ or less traitors, then our system will be still in safe state
- Tolerance factor is 33% (traitors)

Acknowledgement and Source:

- <https://www.udemy.com/course/build-your-blockchain-az/>