



区块链与AI结合的可能性

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物联网是生产资料

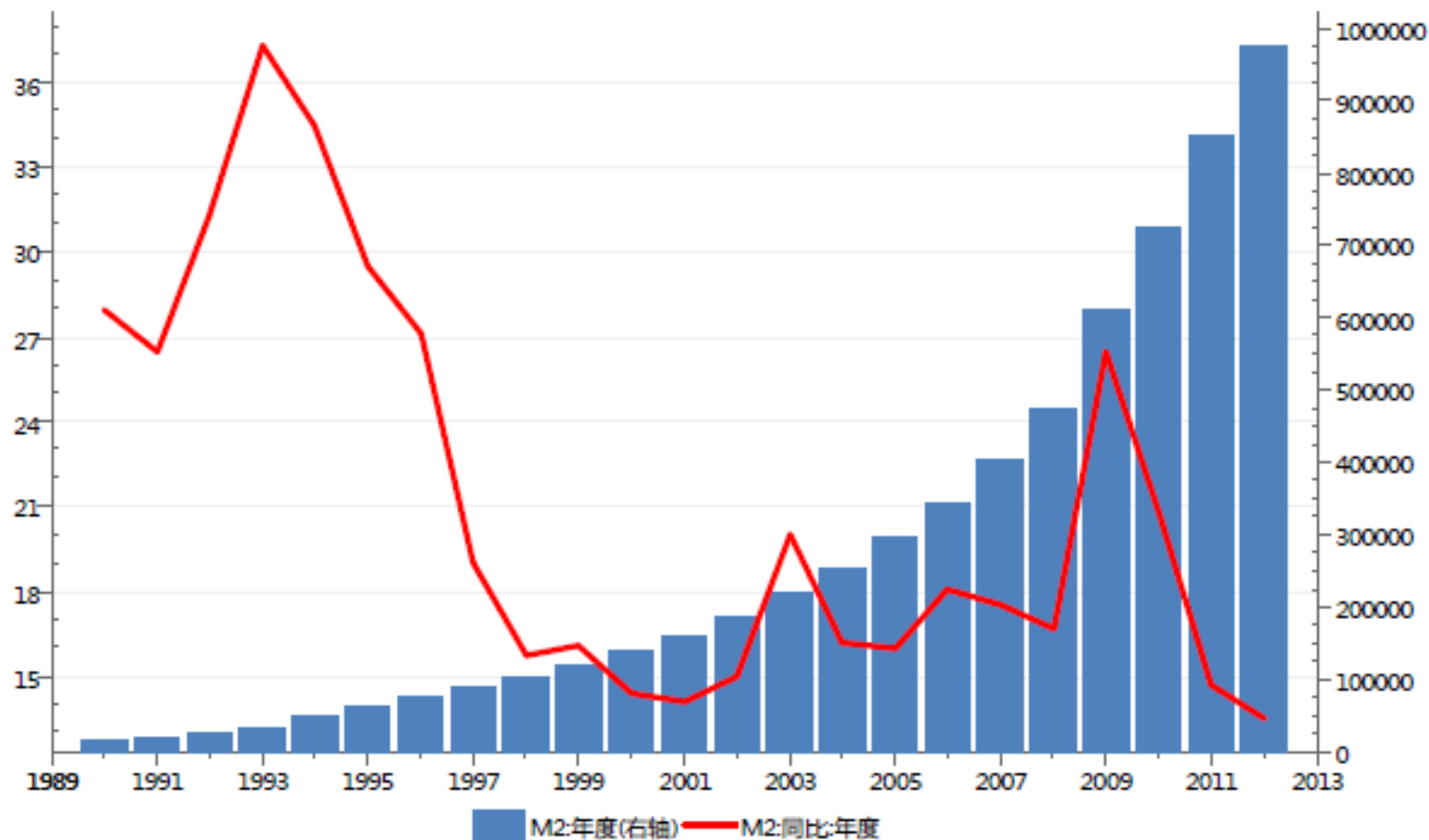
人工智能是生产力

区块链是生产关系

有待解决的问题：法币的滥发和通胀



1: 中国 M2 及其同比增速变化情况（亿元）



问题的根本：中心化的权力机构



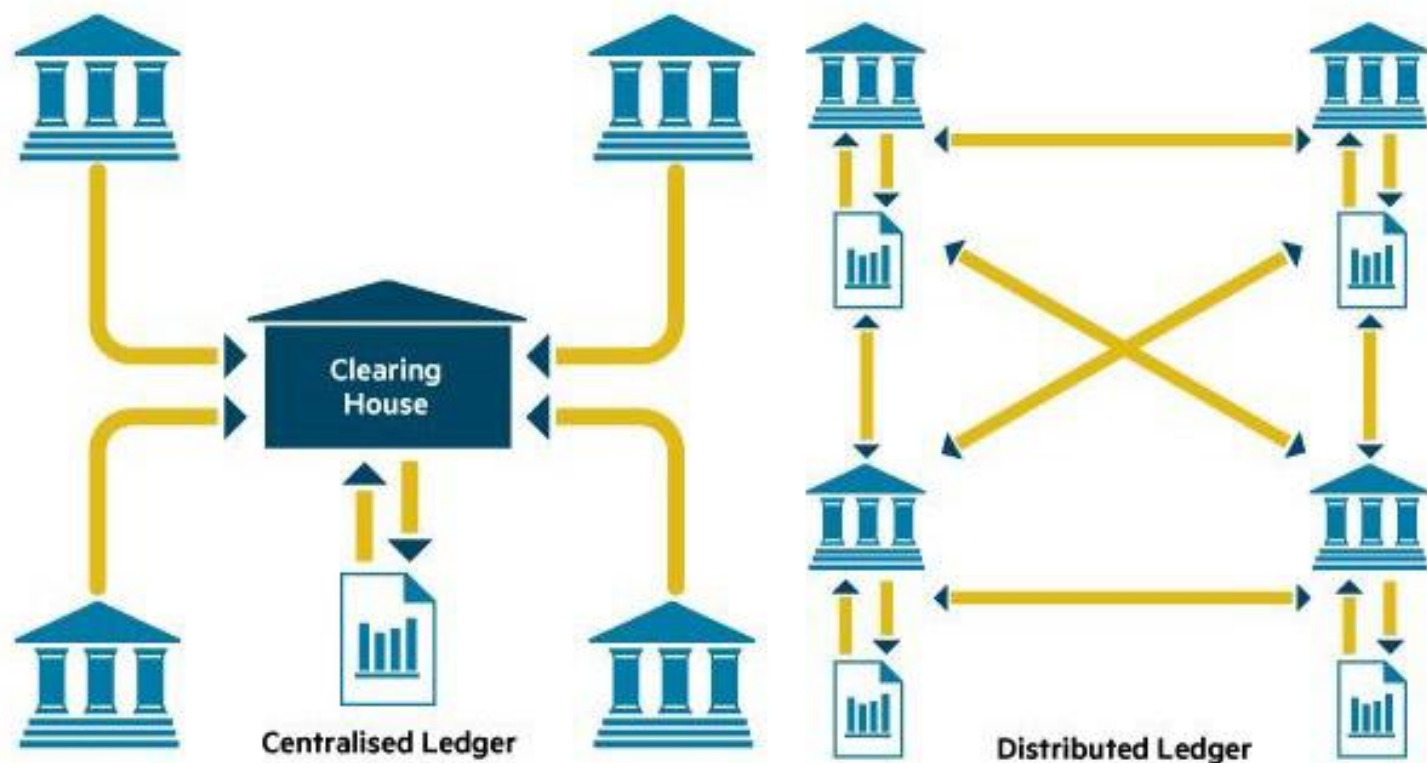
技术积木：中心化系统



- 人脸
- 身份证号、身份证磁卡
- 银行金融机构
- 柜台、柜员
- 纸币防伪
- 验钞机、存取款机

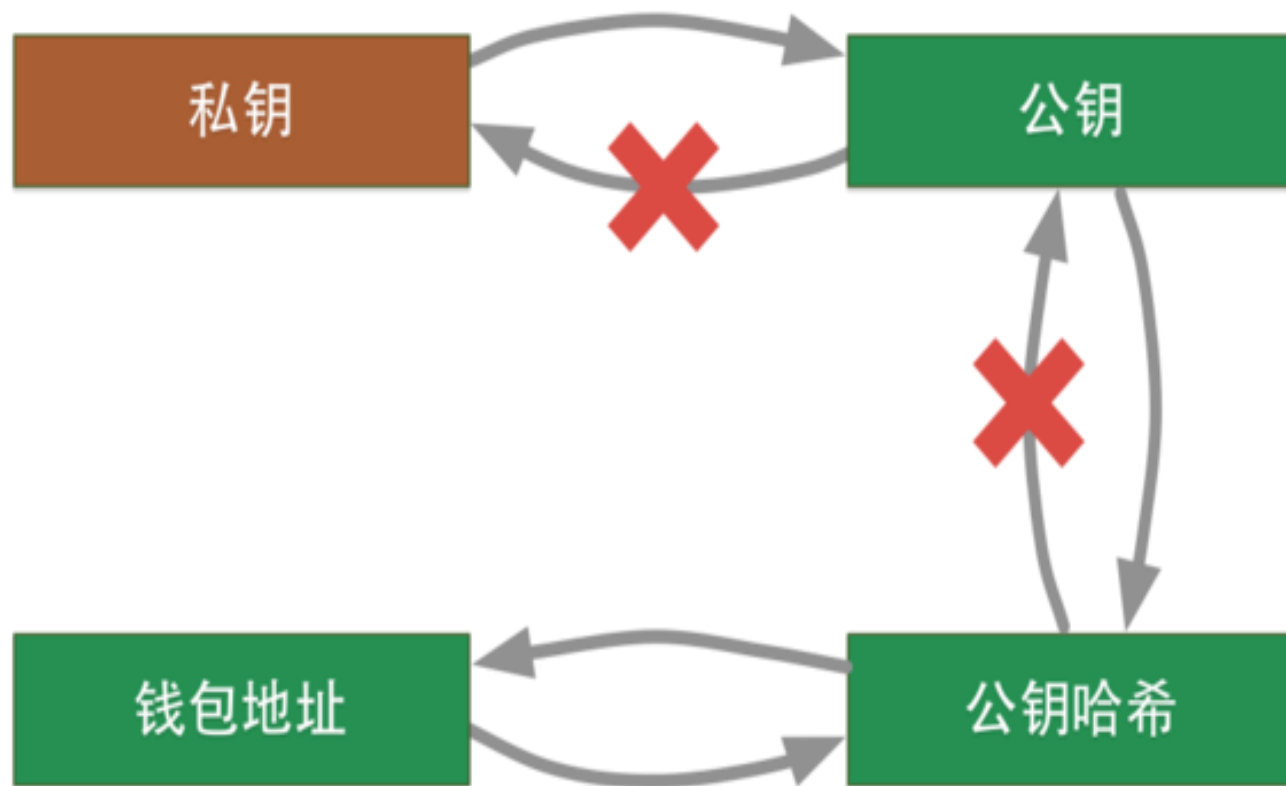
- 网上银行
- 用户名、密码
- U盾

新概念：去中心化记账



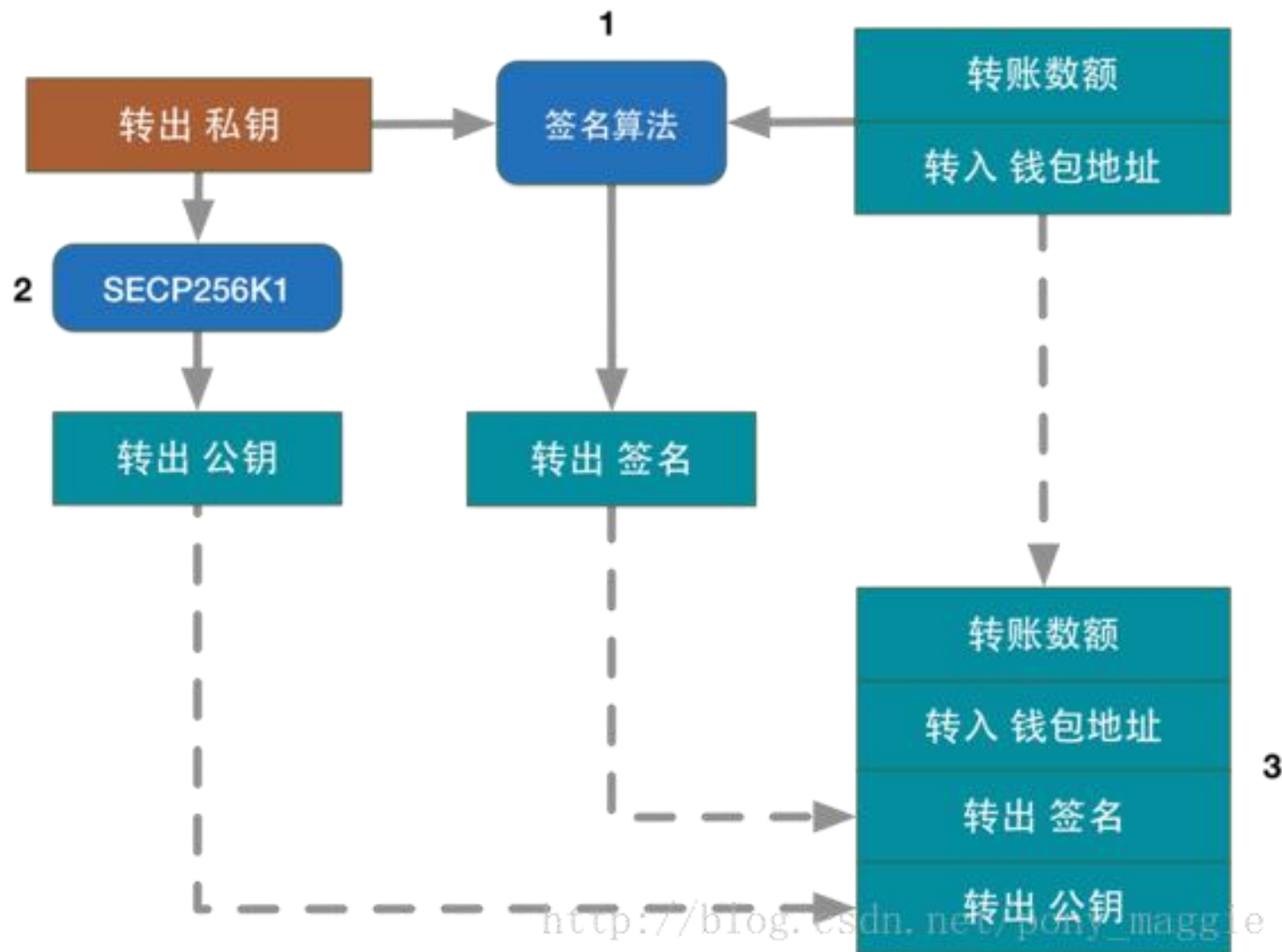
- 资产防伪
- 账本 规则透明
- 记账权 规则透明
- 记账奖励 规则透明
- 竞争性的抢夺记账权
- 用户资产的完全自我管控

技术积木：密码学-生成用户账户

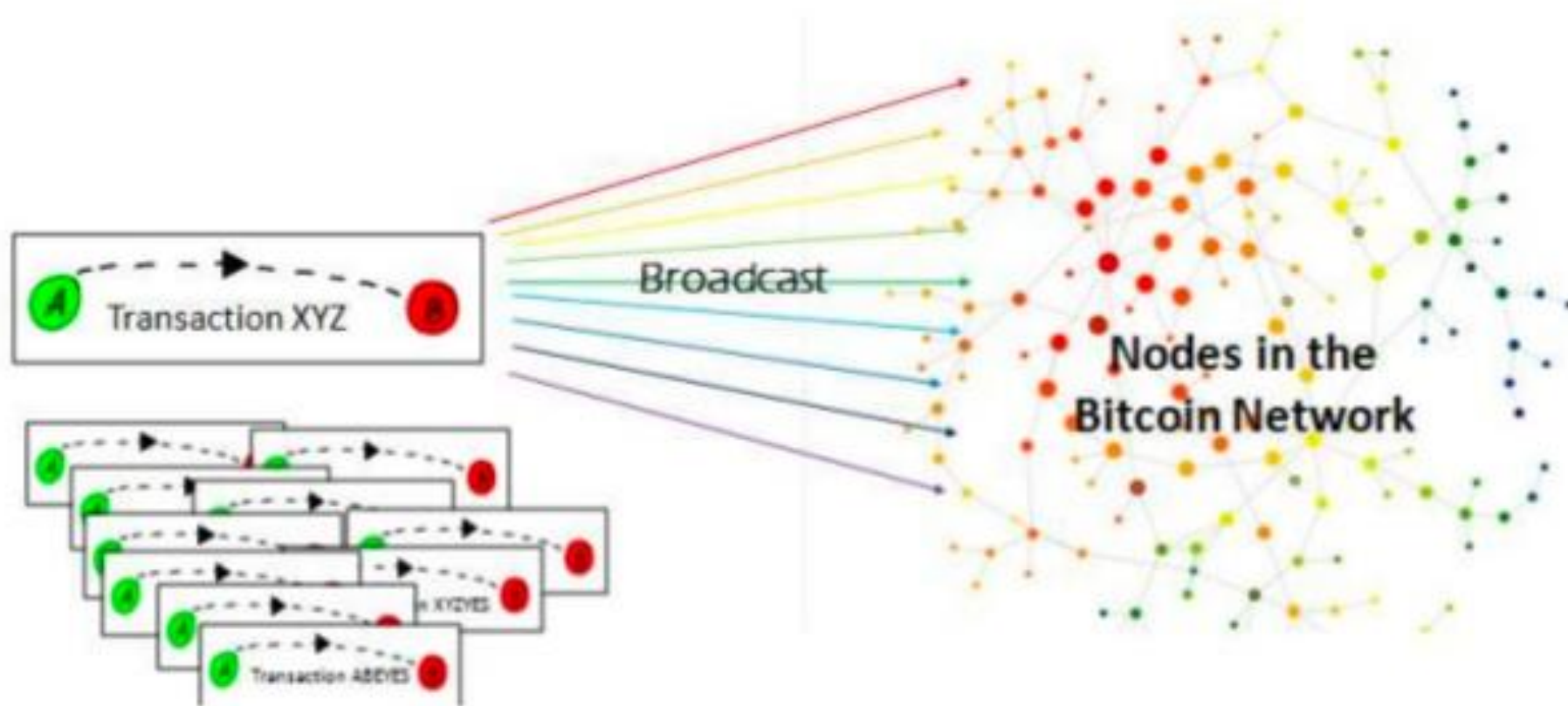


- 私钥：
1E99423A4ED27608A15A2616
A2B0E9E52CED330AC530EDCC
32C8FFC6A526AEDD
- 公钥：
F028892BAD7ED57D2FB57BF3
3081D5CF6F9ED3D3D7F159C
2E2FFF579DC341A
- 地址：
1J7MDG5RBQYUHENYDX39WV
WK7FSLPEOXZY

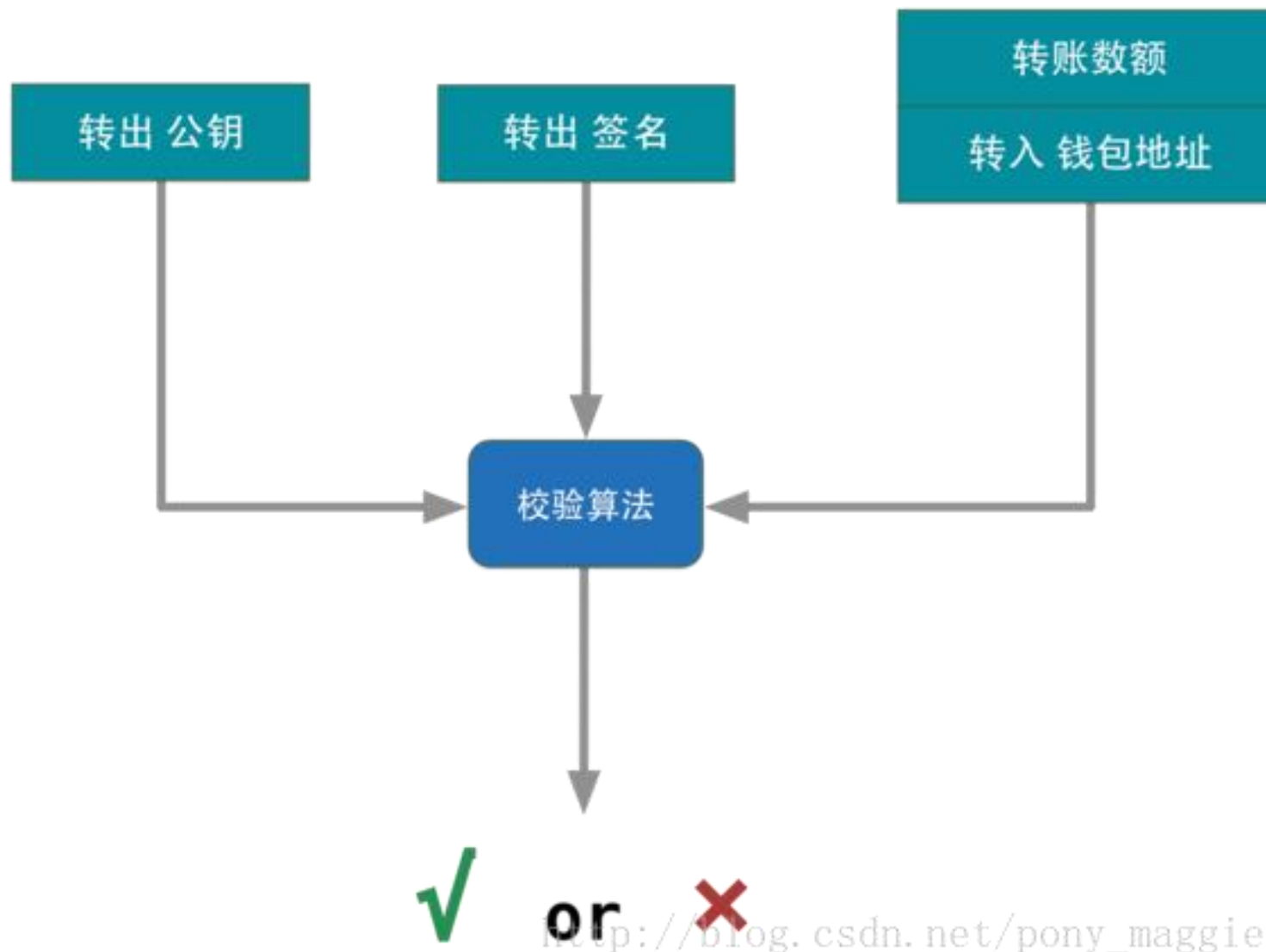
技术积木：密码学-用户生成交易



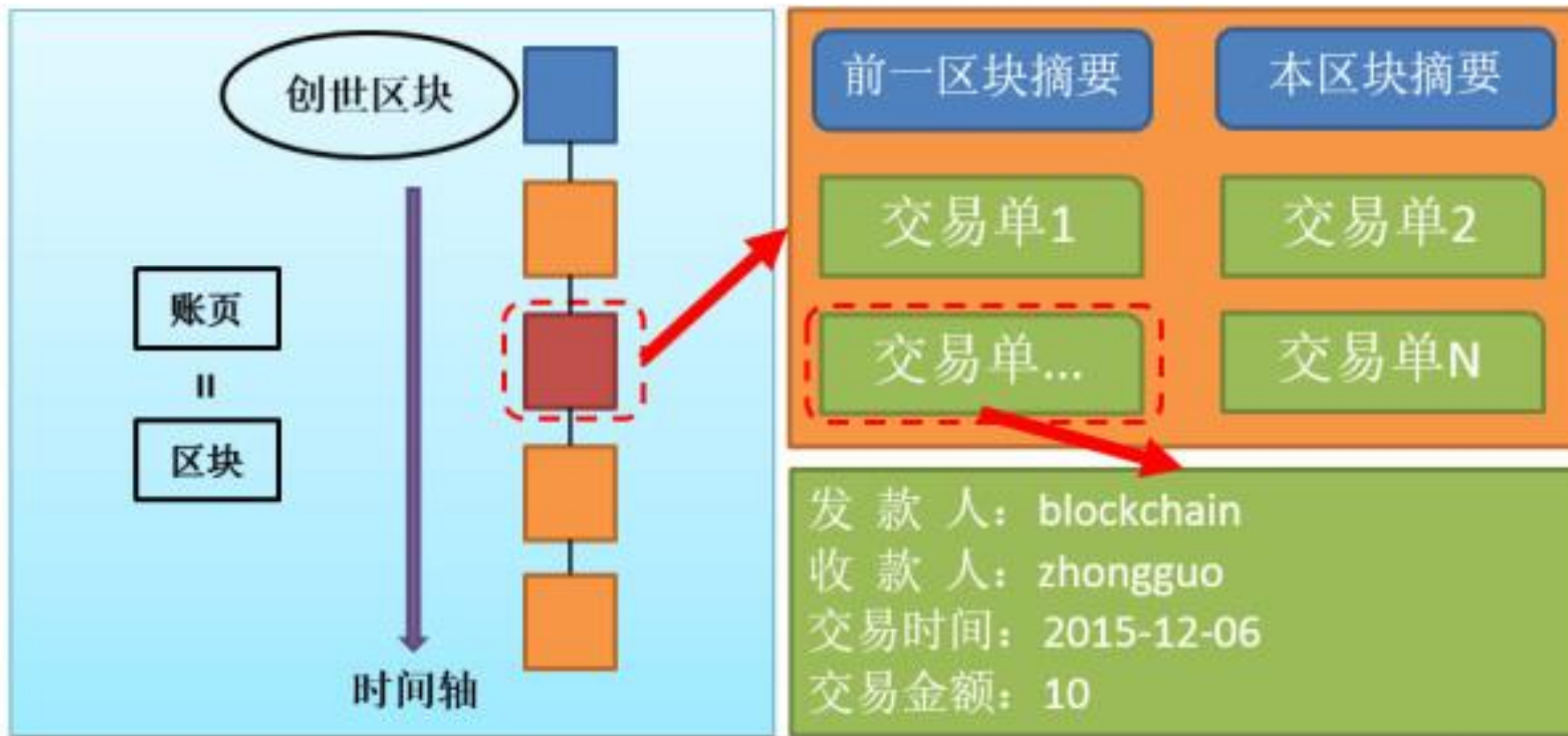
技术积木：广播交易



技术积木：密码学-全体验证交易



账本结构：时间、区块、链



争夺记账权

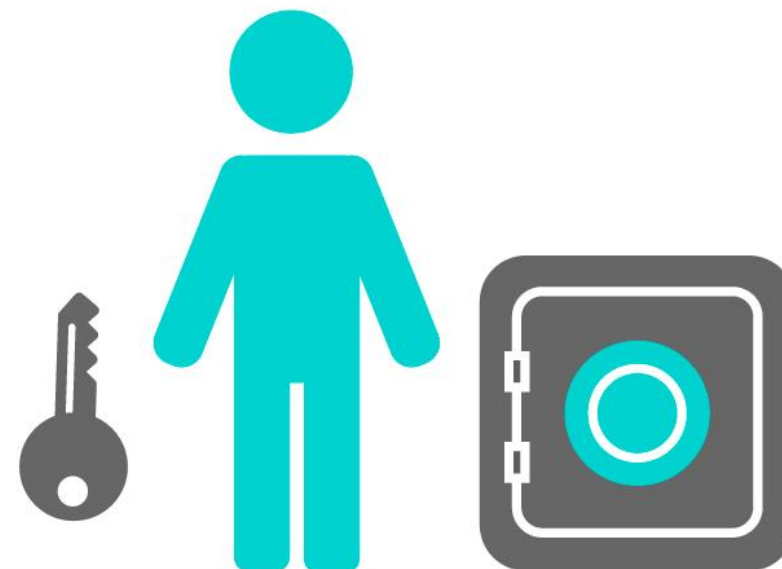


IT大咖说
知识共享平台



Proof of Work

&

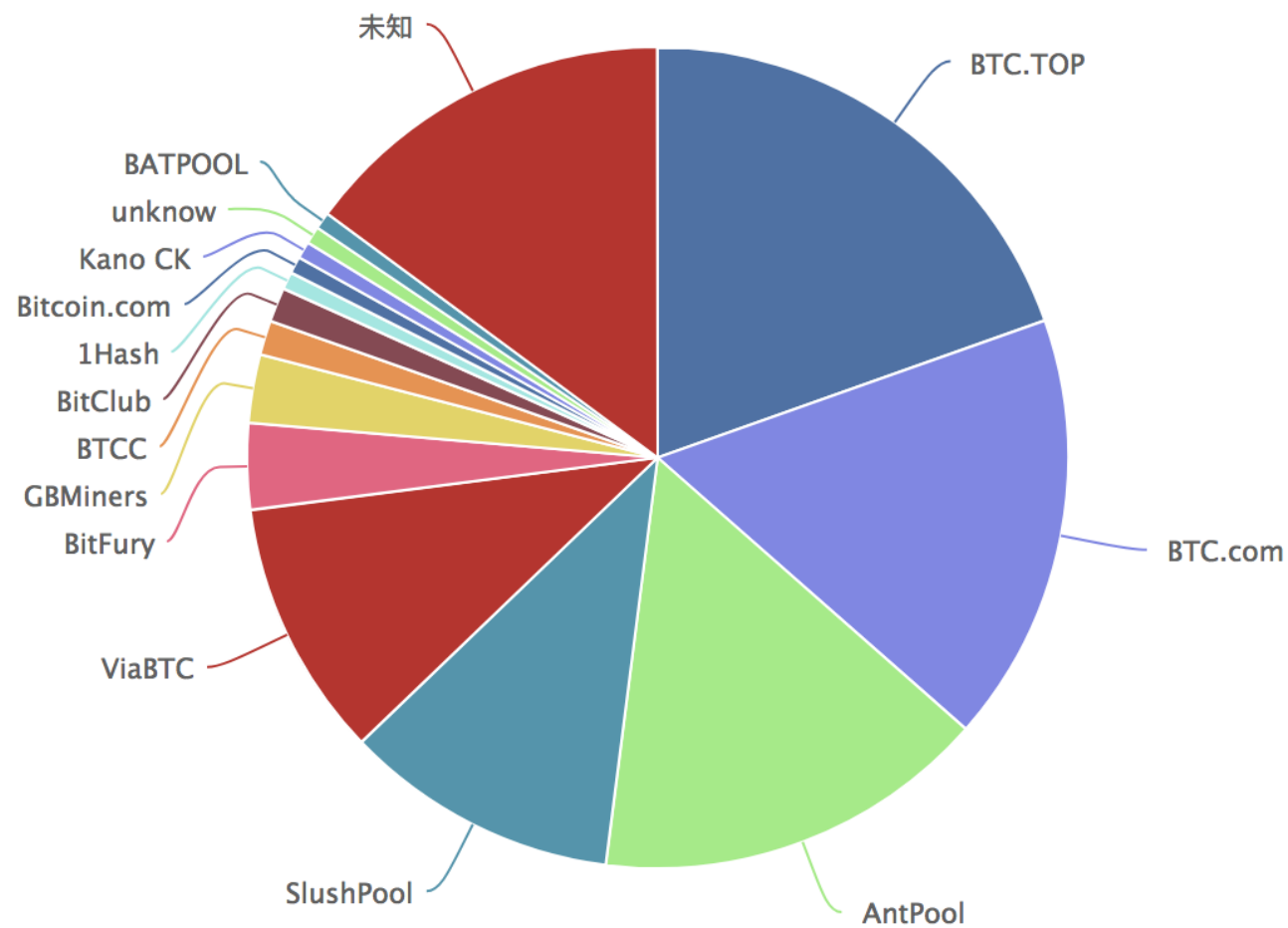


Proof of Stake

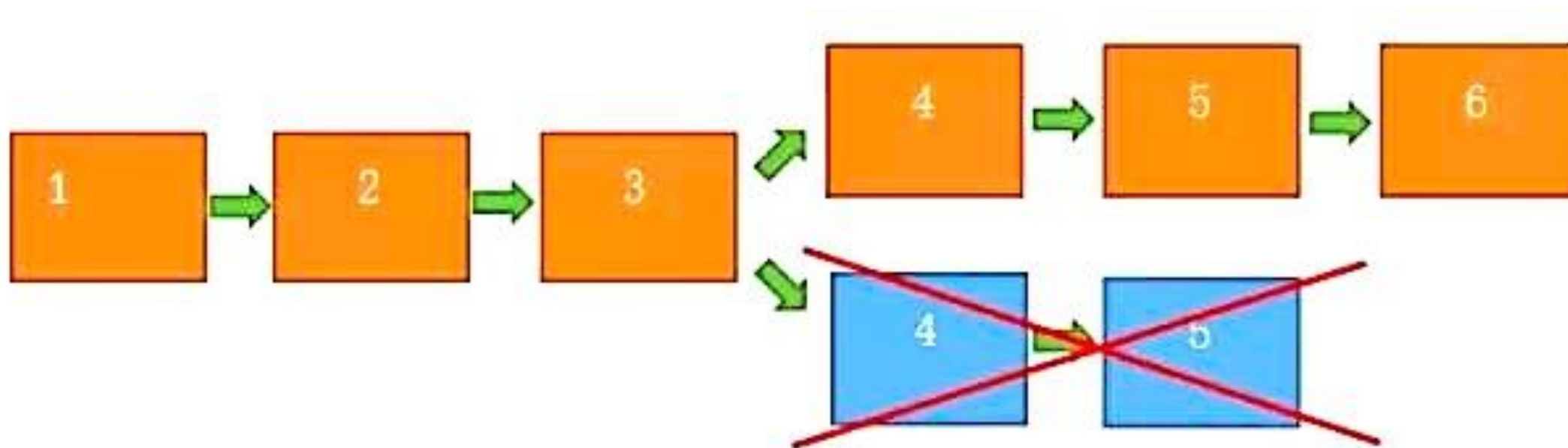


AICUG 人工智能技术沙龙（杭州 站）

记账权分布



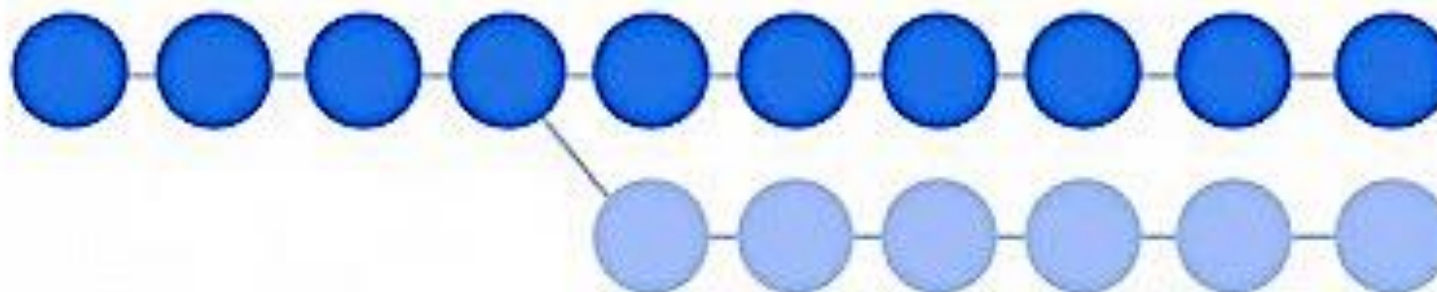
区块链分叉选择：共识



区块链升级：硬分叉 & 软分叉



硬分叉

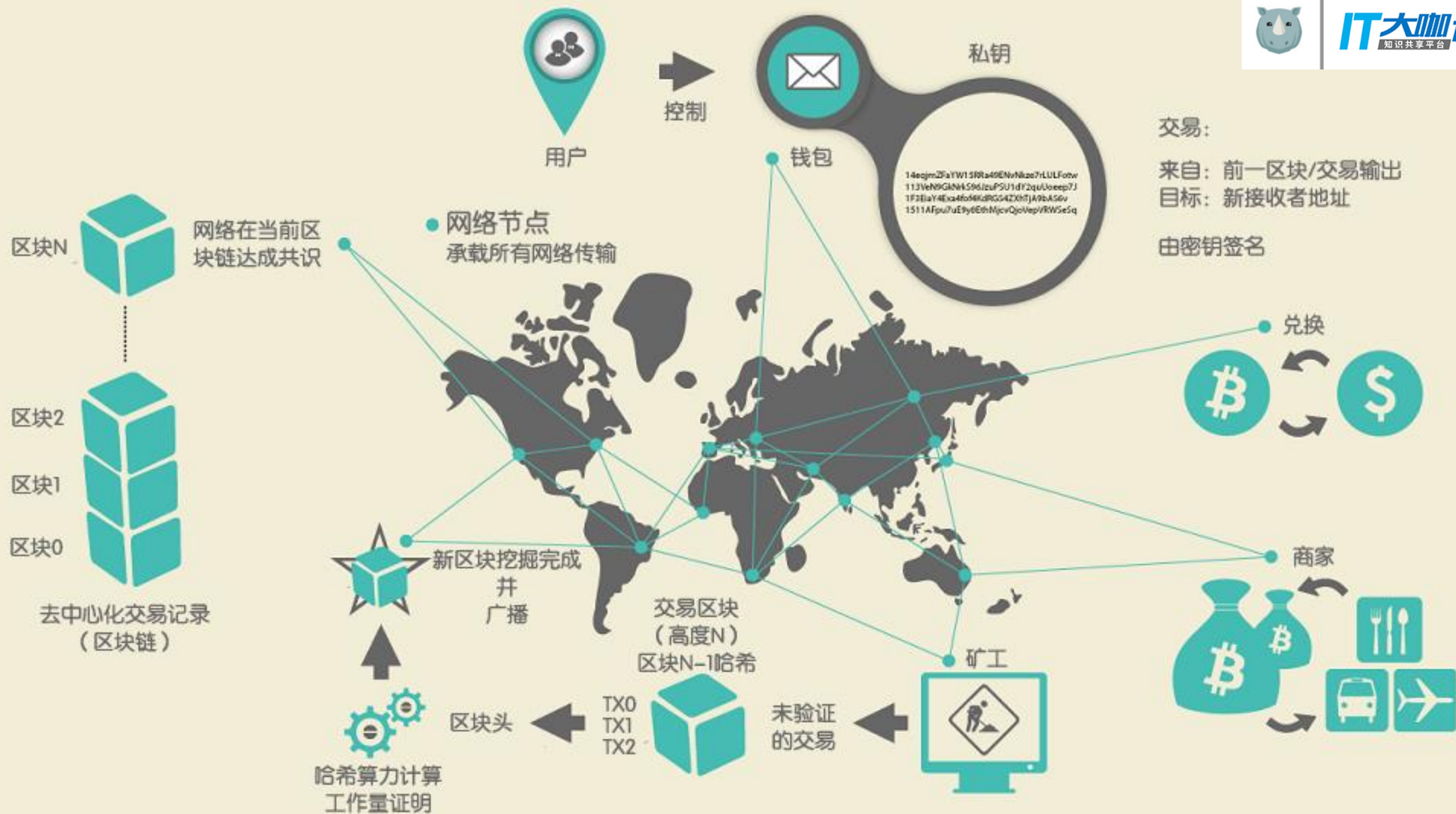


旧链

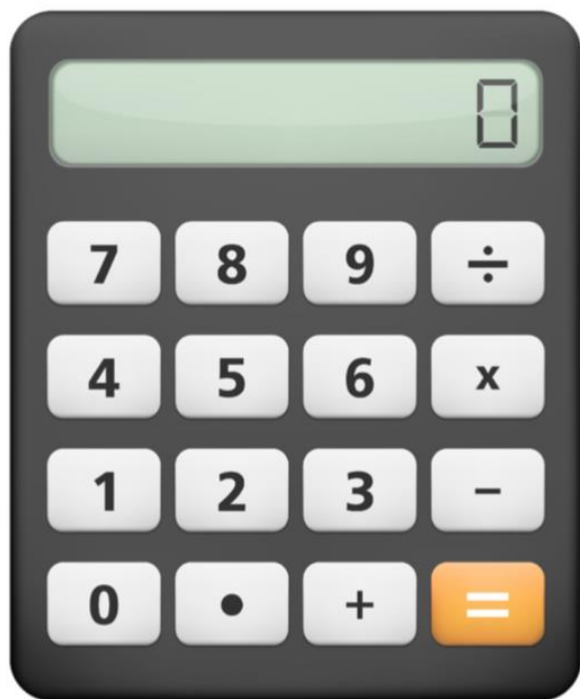
新链

软分叉

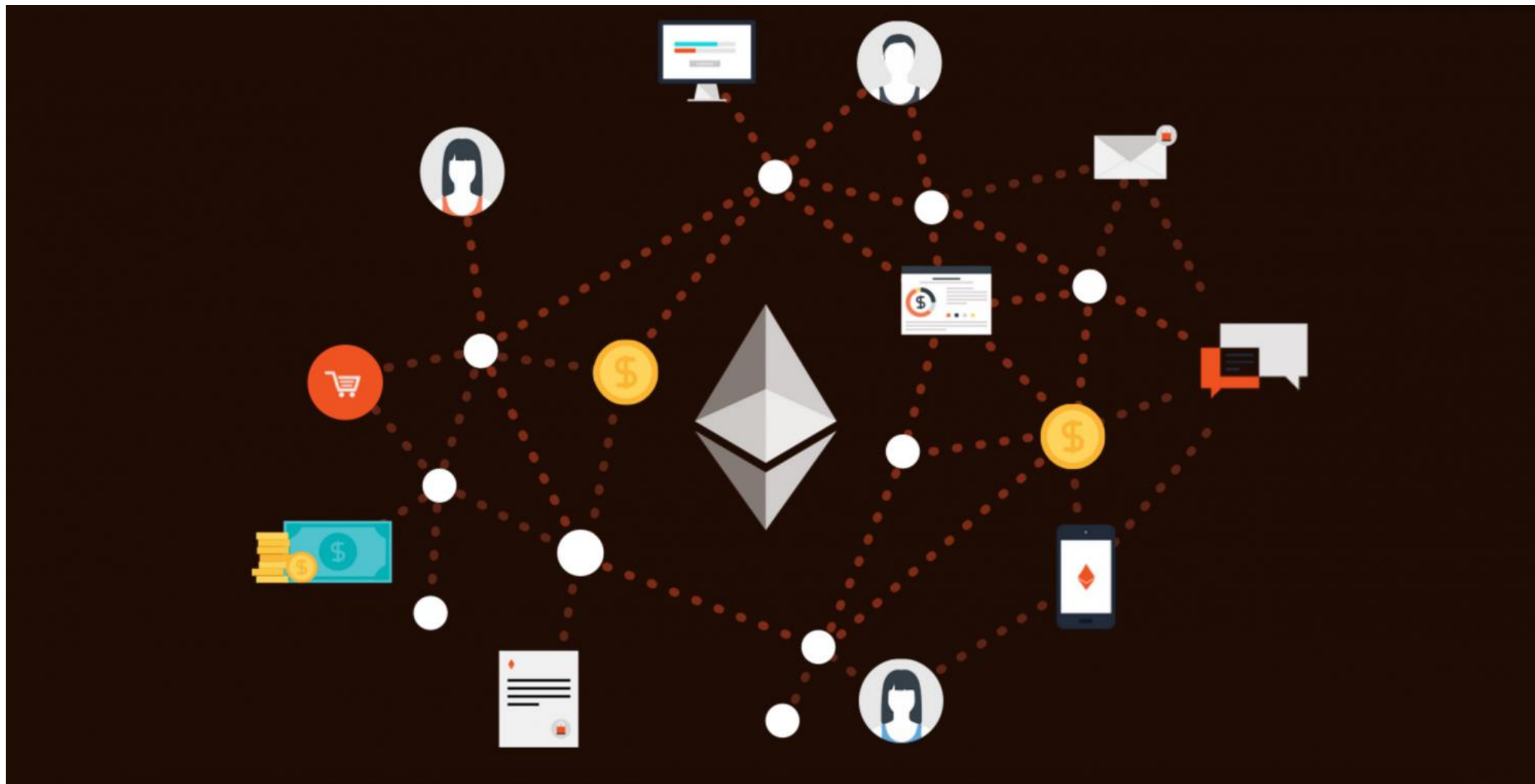




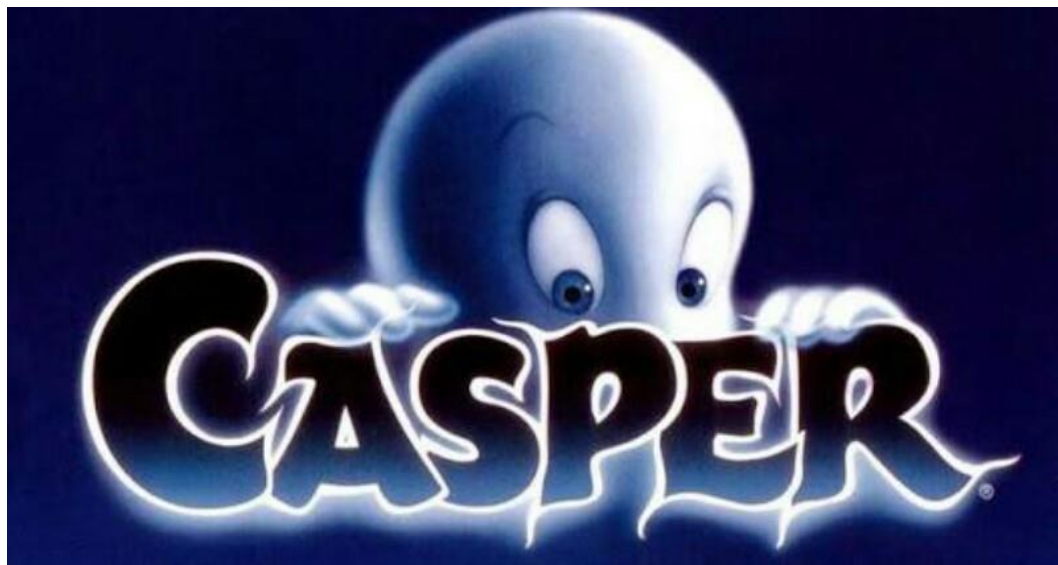
区块链2.0：智能合约



区块链2.0：去中心化应用Dapp



区块链3.0：共识算法POS、POR



Ouroboros

区块链3.0：快响应、高性能、高吞吐

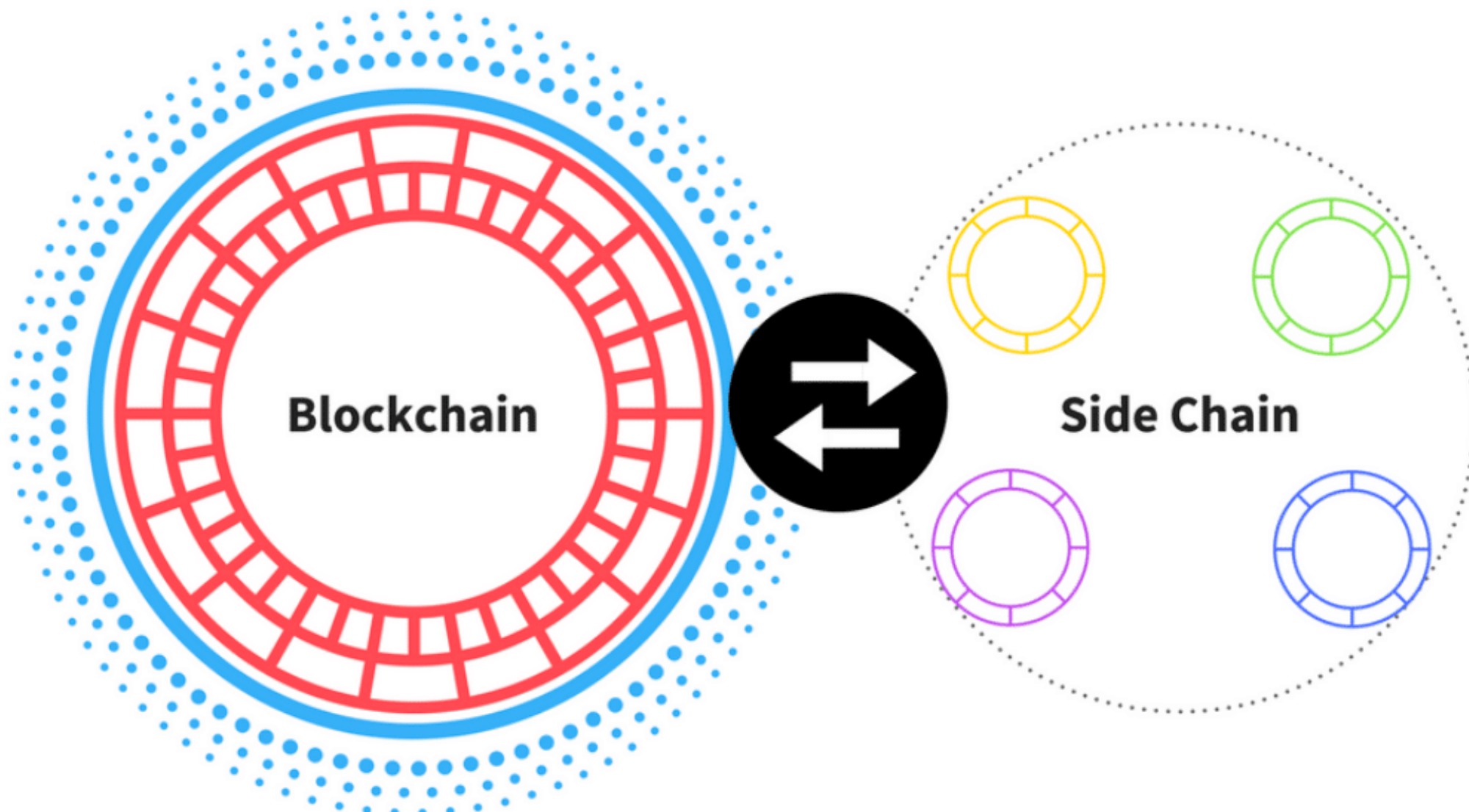


Network Comparisons

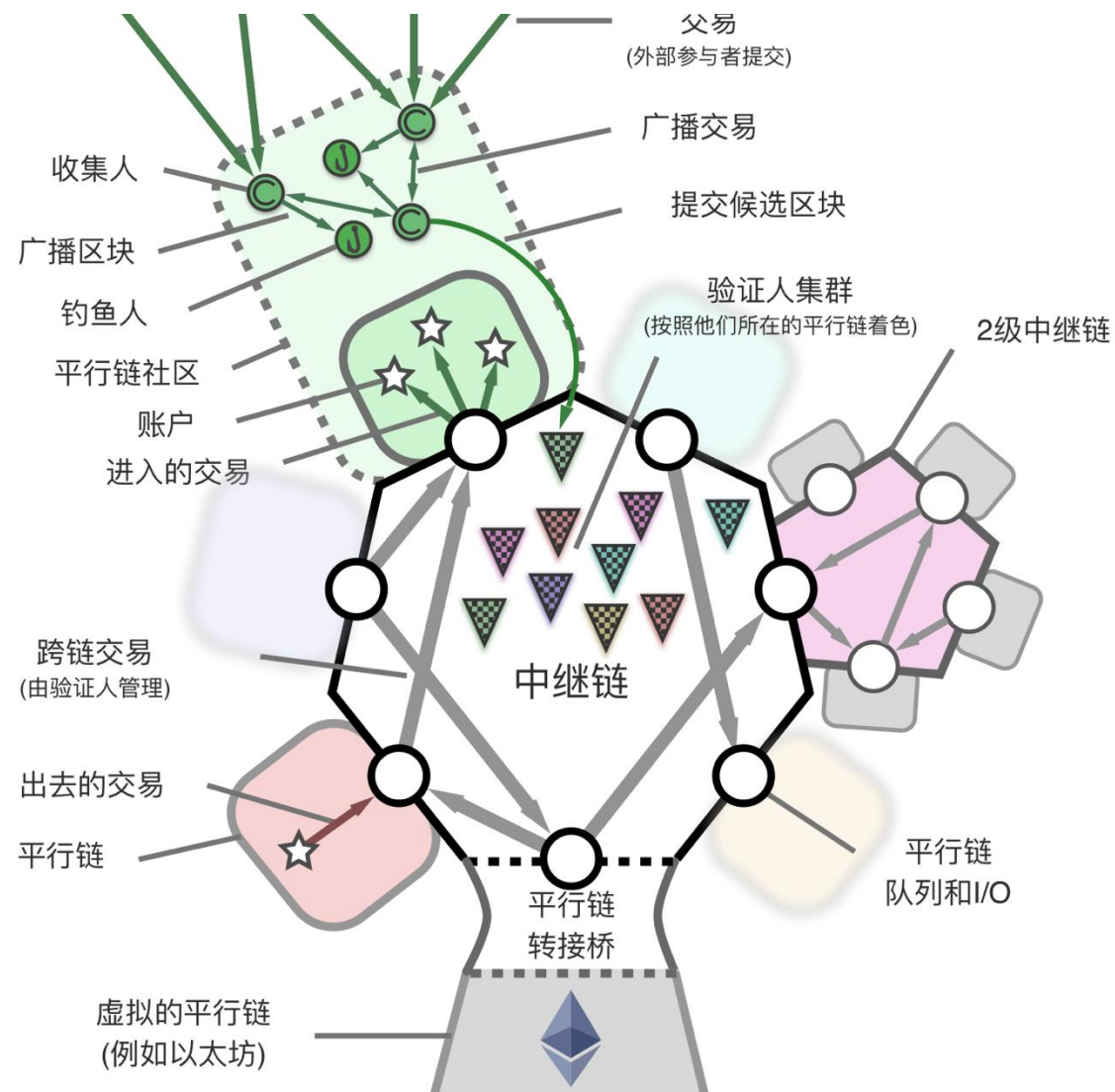
	Bitcoin	Ethereum	EOS
Annual Network Costs	• 4% • Spent on Electricity	• 11% • Spent on Electricity	• 5% • Spent on Network Growth
Latency (1 confirmation)	• 5 to 40m	• 5 to 40s	• 1.5s
Irreversible (99%)	• 1 h	• 3 m	• 4.5s
Irreversible (100%)	• 1 day	• 1 hr	• 40 sec
Total Bandwidth	• 4 TPS	• 10 TPS	• 300K+ TPS
Sequential Bandwidth	• 4 TPS	• 10 TPS	• 3000+ TPS
Relevant Producers	• 3 / 5 (pools)	• 3 / 5 (pools)	• 14/21
Dapps	None	Prototype	Production
Foundation Smart Contracts	No Official	1 Limited Income	Multiple Self-funding



区块链3.0：跨链通信



区块链3.0：分布式链网



区块链可能解决的问题：AI缺乏数据



Ocean Protocol unlocks data

Data Providers

Unlock your data and earn revenue.

PUBLISH DATA →



Data Consumers

Discover and buy data.

GET DATA →

区块链可能解决的问题：AI缺乏算力

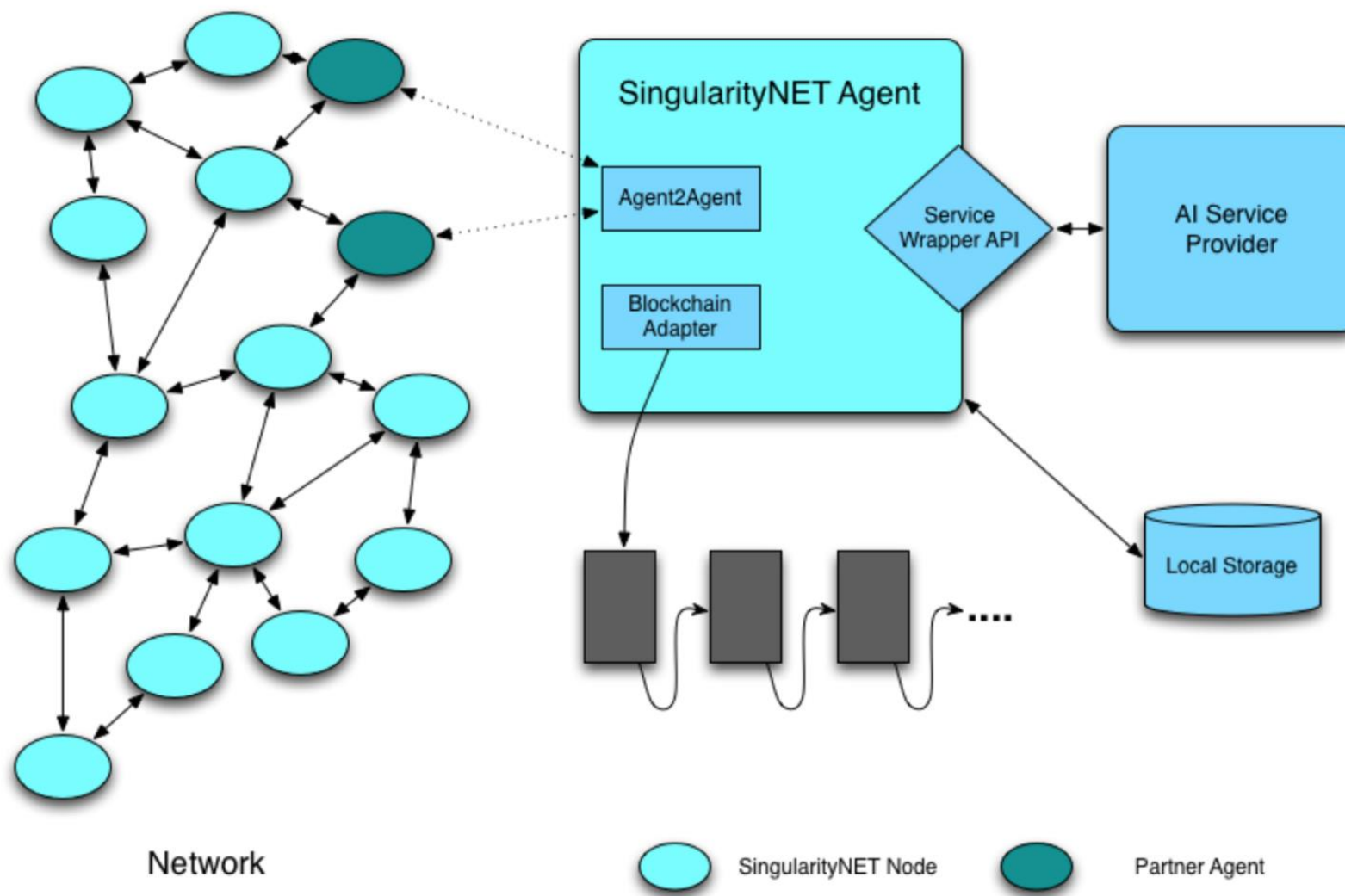


world
community
grid™



DeepBrain Chain

区块链可能解决的问题：AI缺乏协作



区块链可能解决的问题：AI缺乏自我



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Thanks!

Q & A

