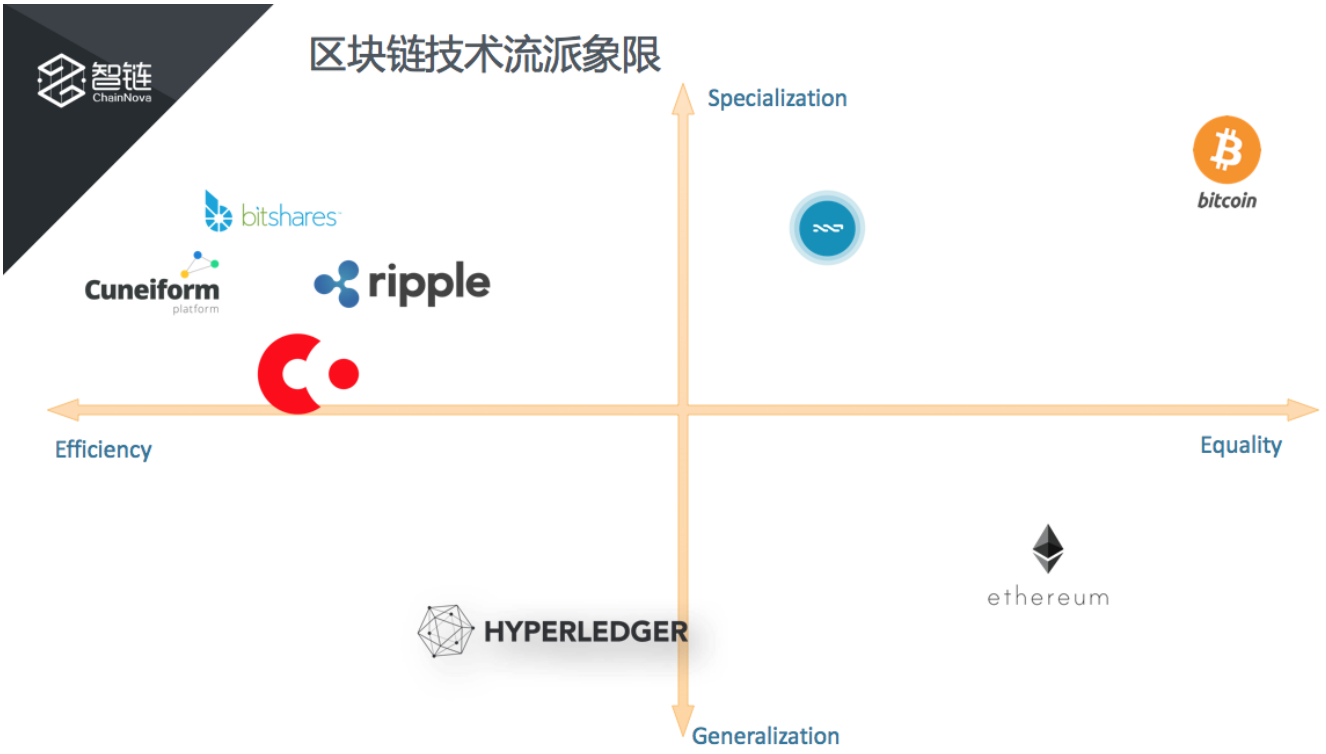


1



2

blockchain

2008 ``Ledger`` (Decentralized) `` (trustless)

- 1.
- 2.
- 3.
- 4.

.....P2P,,,, :

| | |
|----|-----|
| | |
| 1, | |
| 2, | ... |
| 3, | ... |
| 4, | |

| | |
|----|--|
| 5, | |
| 6, | |

4076407

| BTC | PoW | 7 TPS | LevelDB | 1 | 2 | Sha256d; UTXOBloom filter MerkleLevelDBZeroMQ... | 9 |
|-------------|--------|----------|----------------|---|----|--|---|
| NXT | PoS | 100+ TPS | h2 (JavaDB) | 2 | 4 | Forging Curve25519 Reed-solomon4 KCDSA | 7 |
| ETH | PoWPos | 10+ TPS | GHOST | 8 | 8 | <ol style="list-style-type: none"> 1. colored coins 2. smart property 3. Namecoin 4. | 7 |
| HyperLedger | *BFT | 200+ TPS | | 8 | 10 | | 6 |
| Ripple | Quorum | 1K+ TPS | RocksDB | 6 | 7 | UTXOLedgermerkle treeLedgerdiffUTXOBloom Filter | 9 |
| Cuneiform | - | 1.3M TPS | Cassandra | 5 | 7 | | 9 |
| BitShare | DPoS | 10K TPS | LevelDB | 6 | 5 | | 7 |
| CordaBy R3 | | | SQL DB | 7 | 8 | | 8 |