

區塊鏈： 新型區塊鏈

DAG: Tangle & Blocklattice

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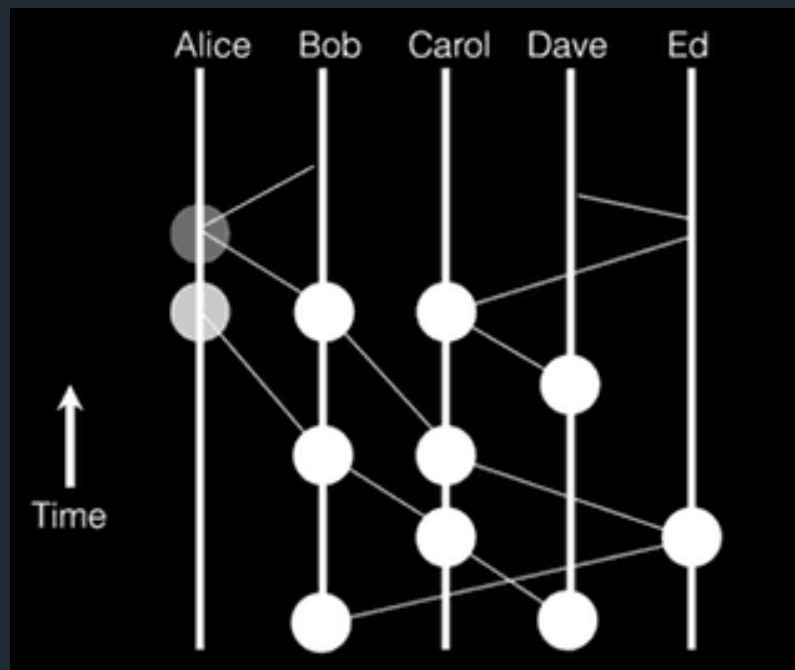
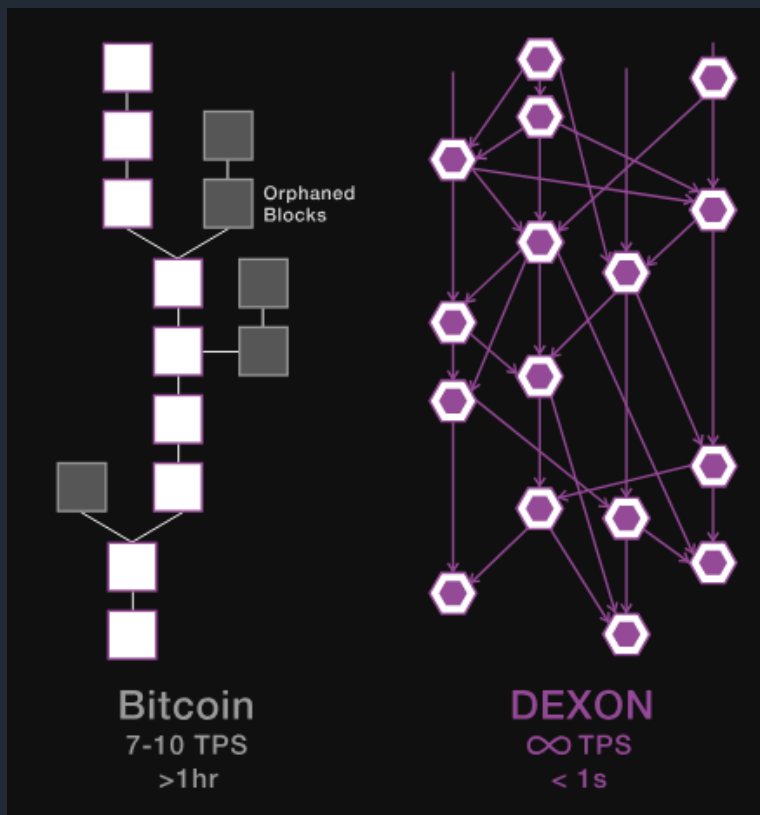
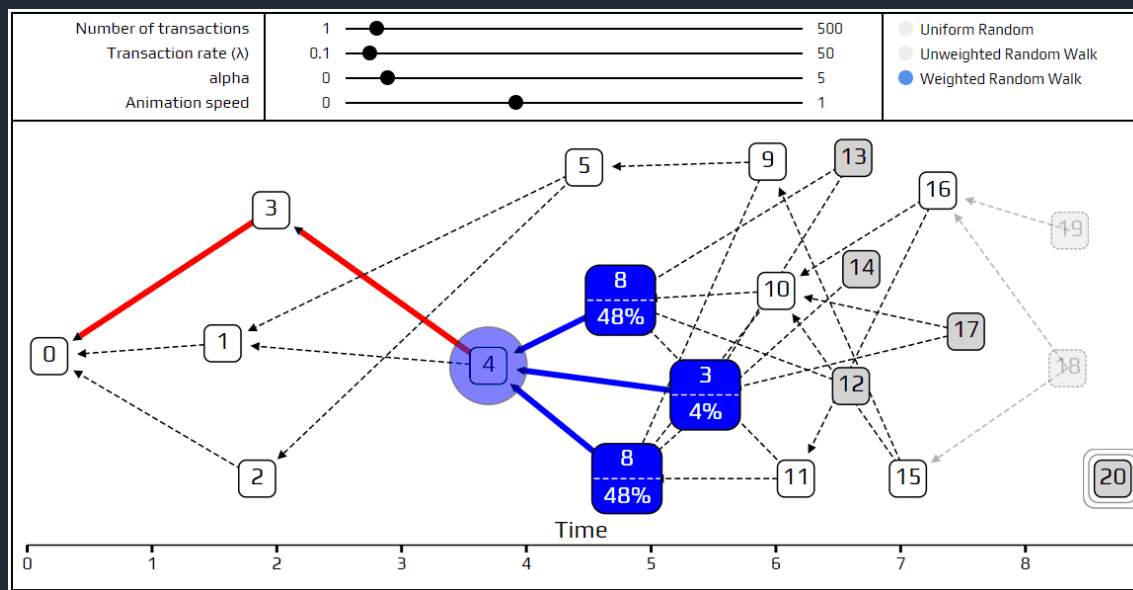


新型態區塊鏈

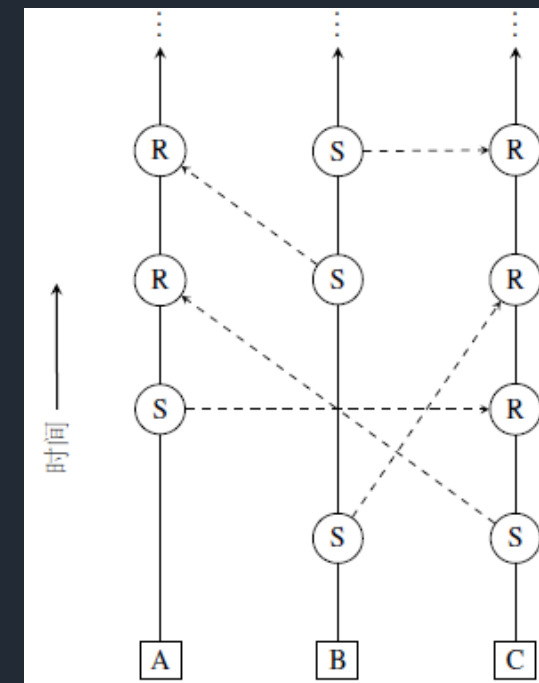
- DAG: Directed Acyclic Graph
 - Tangle
 - DagCoin: <https://bitcointalk.org/index.php?topic=1177633.0>
 - IOTA: <https://www.iota.org/>
 - Blocklattice
 - Nano: <https://nano.org>
 - DEXON: <https://dexon.org/>
 - Hashgraph: <https://www.hedera.com/>
- <https://www.youtube.com/watch?v=bkYyhgXJ45Q>

Tangle

- Tangle (IOTA)
 - Vertex: 交易
 - Edge: 驗證



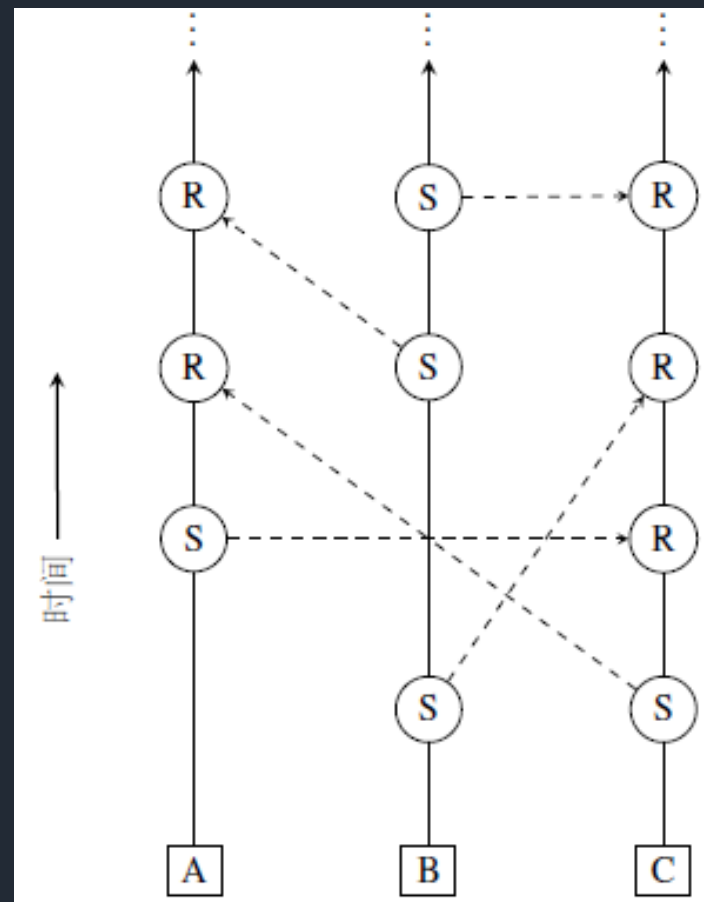
Hashgraph



RaiBlocks (NANO)

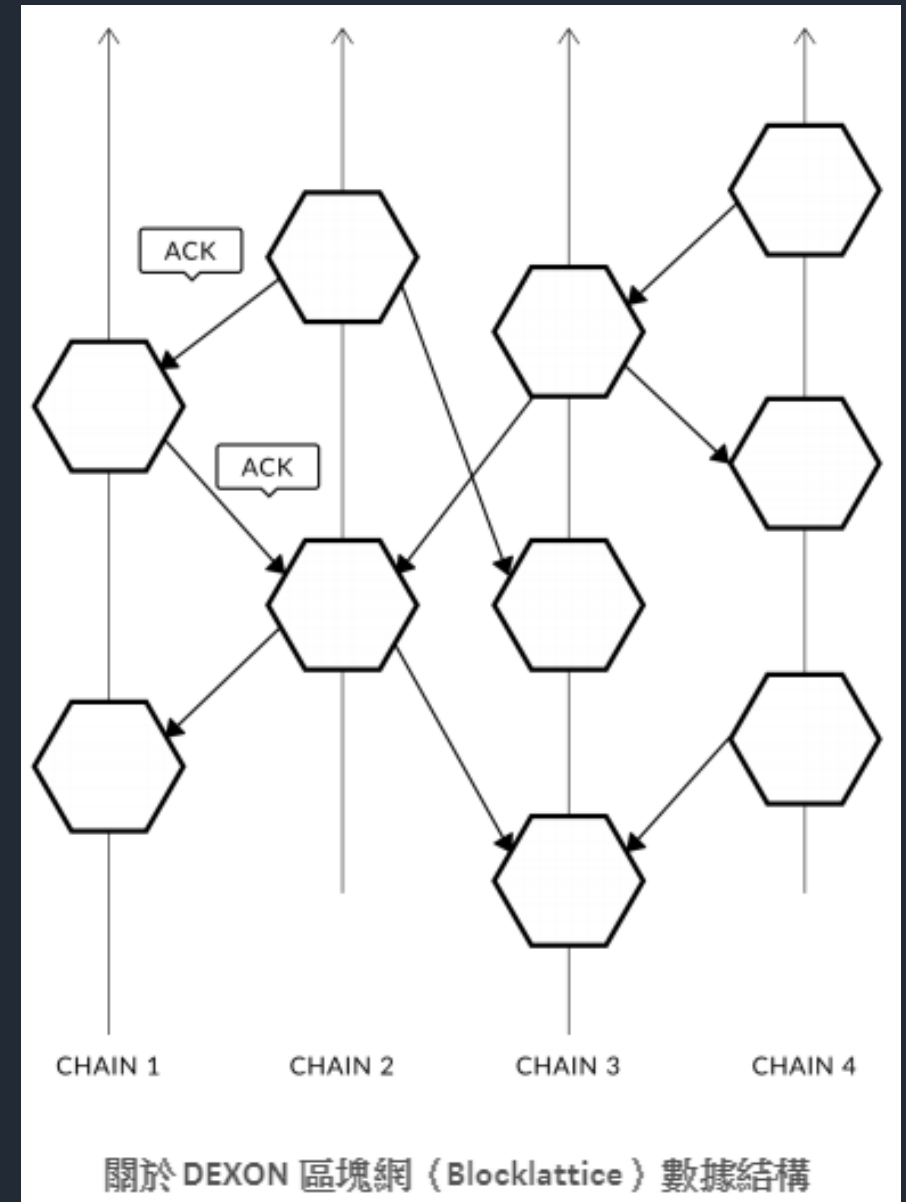
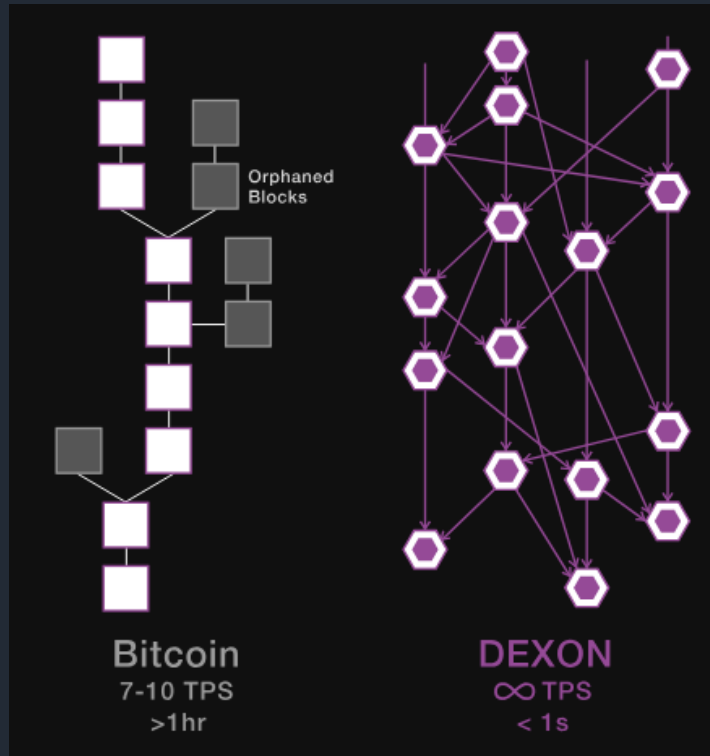
RaiBlocks (NANO)

- RaiBlocks (NANO)
 - Vertex : 交易
 - Edge(虛線): 成對的S (Sender)及R (Receiver)
 - <https://www.youtube.com/watch?v=VmMTHioFEO0>
- 每個帳戶都有自己的區塊鏈 (帳戶鏈)
 - 記錄帳戶的交易及餘額歷史
 - 每個帳戶鏈只能由帳戶所有者更新
 - ➔ 每個帳戶鏈能平行化更新區塊鏈，實現快速交易



DEXON

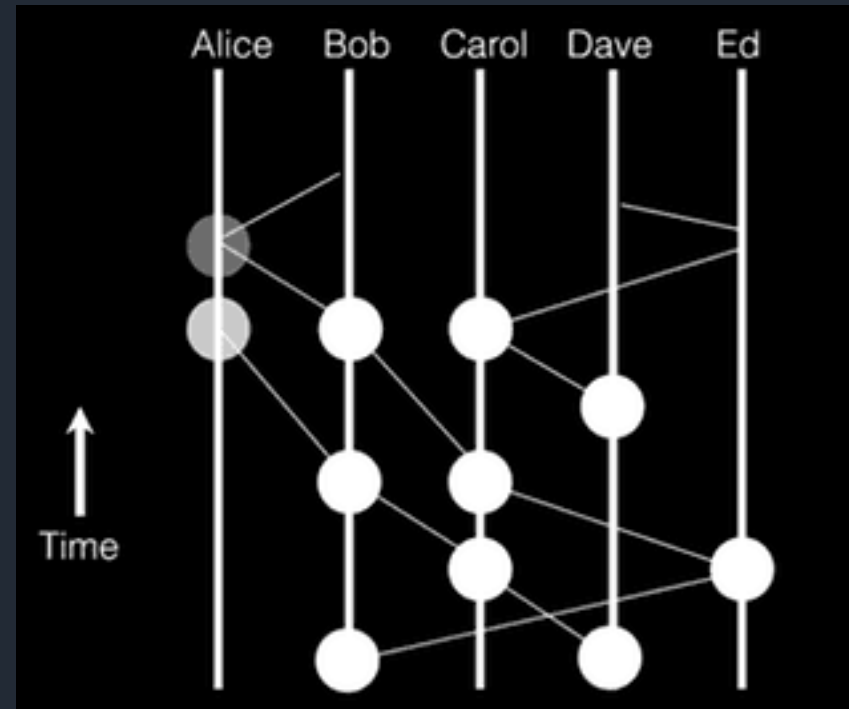
- [DEXON](#) by [Cobinhood](#)
 - Vertex: 區塊
 - Edge: 確認(ACK)
- 每個礦工都有自己的區塊鏈



Hashgraph

- Hashgraph

- Vertex : 事件 (event)
- Edge: “告訴對方所有知道的事件”
- 八卦協議 (gossip protocol): 每個成員反復選擇另一個成員，給他們所有他們還不知道的事件

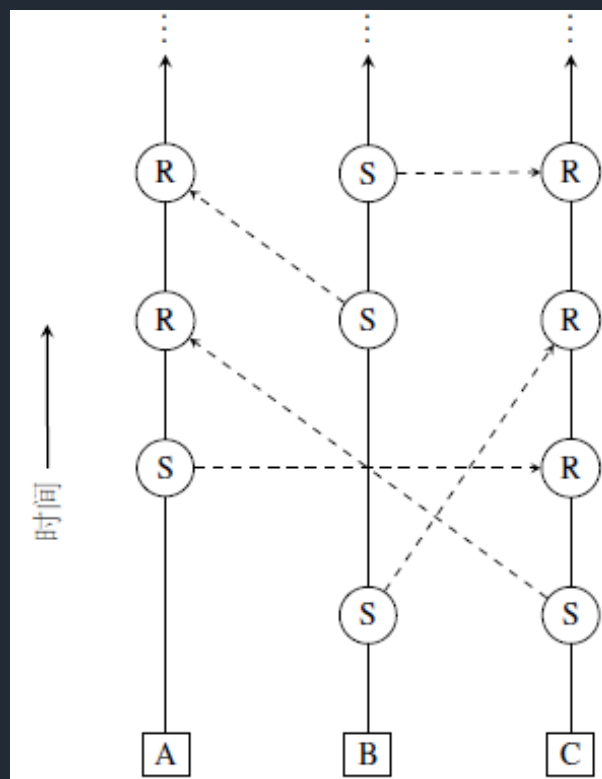


NANO vs. DEXON

- DEXON & NANO 區塊鏈 (Blocklattice) 比較

	<i>Nano</i>	<i>DEXON</i>
區塊鏈網	帳戶鏈	區塊鏈
區塊鏈邊	單筆交易	確認
鏈中的頂點	發送 / 接受 Tx	區塊
鏈的數量	帳戶數量	驗證節點數

RaiBlocks (NANO)



DEXON

