

$$n \left\{ \sum_{F_k=0}^{F_k < m} \frac{F_{k+1}}{\varepsilon + F_k} = \|F_k\|^{v.1} < \sum_{k=1}^{+\infty} \frac{f_{k+1}}{\varepsilon + f_k} = \|C_k\| \rightarrow d(0, m) \wedge \int_{[1, k \dot{-} m]} f \delta k \right.$$

$$(D)\Omega \sim \left\{ p_{2p} \supset N \supseteq n \mid k_k: N \mapsto n \vee k_m: N \mapsto N_n \right\} \rightarrow \int_{[[1, N_n]_n]} H \delta k \sim O(N)$$

$$H_k := N \left\{ \int_{[1, k]} \text{for } \begin{matrix} x < X \\ x = 0 \end{matrix} (S_{256}(x \cdot k_k) < 2^{224} \div D) \text{ exit } \delta k \right. \right. \Rightarrow n \left\{ \int_{[1, N_n]} \delta k_m \rightarrow [[1, N_n]_n] \right.$$

complete p2p-net space
sequence of seminorms associated to norm

Nakamoto Consensus
derived extension corollary sine qua non simulative limit

- ISO 31-11
- asymptotic
- pseudocode

Definition ad hoc

p2p : peer-to-peer

computer network : assert service without central coordination

blockchain : p2p immutable ledger

network database : distributed across p2p nodes, rely on consensus

consensus

network algorithm : assert blockchain coherent transaction blocks : $O(n)$

simulative limit

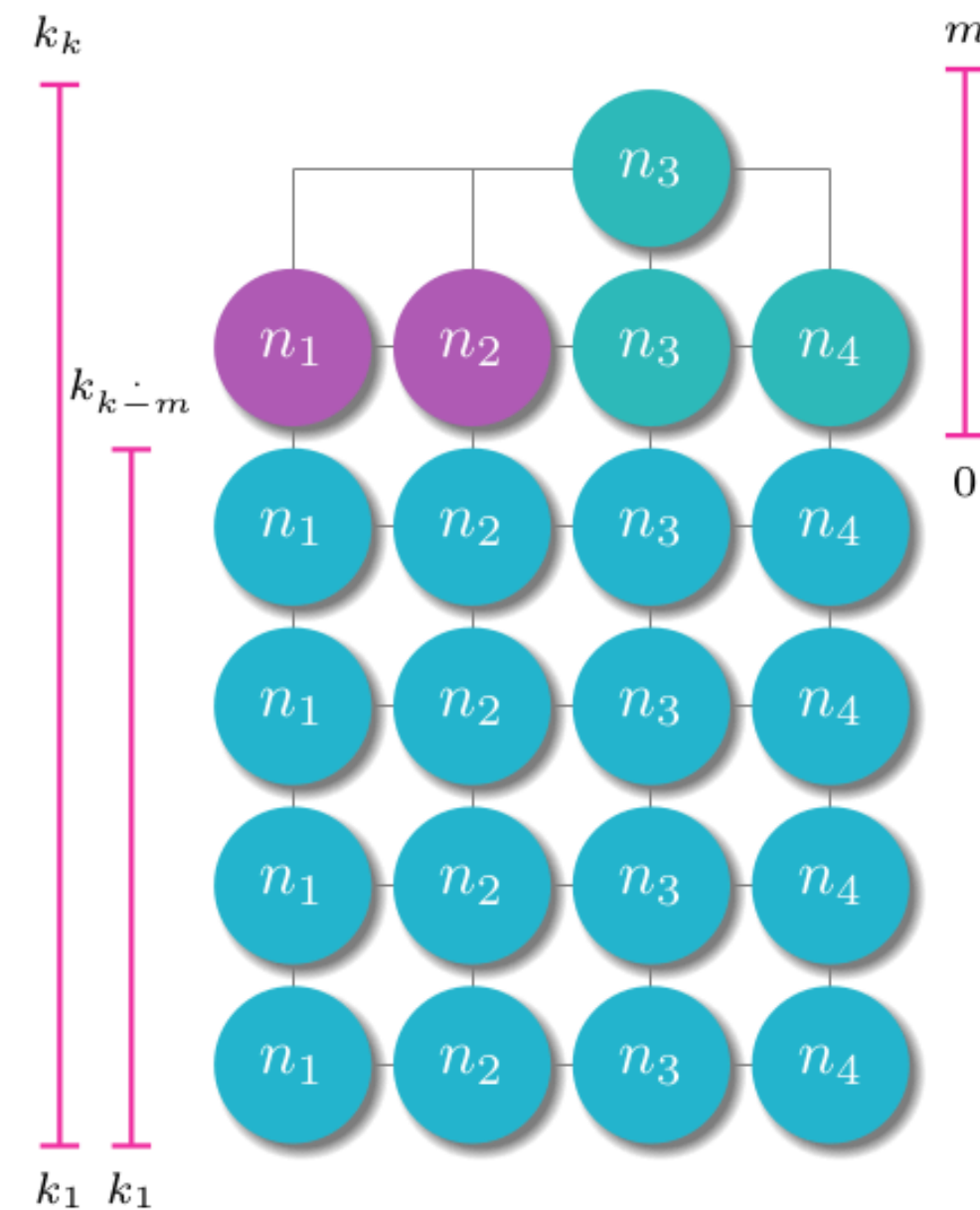
computational simulation : assert system aspect optimal limit

PoW : proof of work

algorithm : inverse of one way function : $O(n)$

difficulty retarget

reenforcement algorithm : constrain difficulty level to enforce block interval : $O(\log k)$



Metric space

$$\|f\| = \sum_{N=1}^{+\infty} 2^{-N} \frac{\|f\|_{[-N, N]}}{1 + \|f\|_{[-N, N]}}$$