



- Mining typically exclusive
- Each attempt aimed at a Bitcoin block
- How to start a new blockchain with the same Proof of Work algorithm?



Sha256 based PoW

20'000'000 Tera Hash

BoringCoin

Sha256 based PoW

20 Tera Hash



- Mine a Bitcoin and an Altcoin block at the same time!
- Bitcoin coinbase transaction has no input (scriptSig).

Bitcoin Bitcoin tx

Hash(prev | merkle_root | N) < target

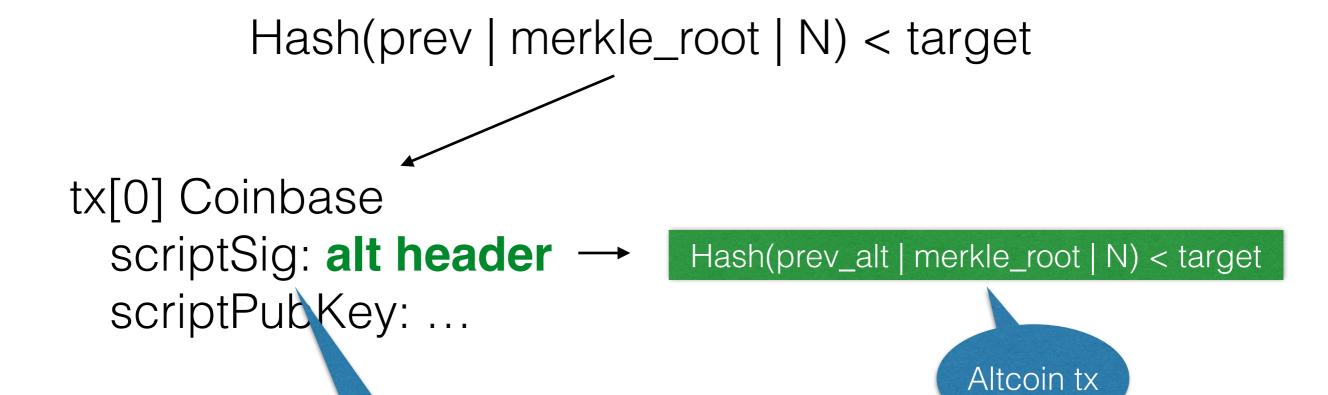
Altcoin Altcoin tx

Hash(prev_alt | merkle_root | N) < target

tx[1]

tx[2]





Ignored by

Bitcoin



Advantages

Easier bootstrapping of mining power

Disadvantages

- Cheaper for attackers (cf. CoiledCoins)
- Inconsistency because miners might not validate transactions.
- Namecoin
 - One mining pool owned 60-70% hashrate

