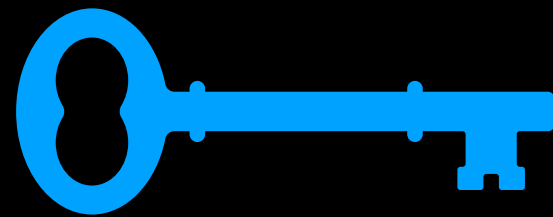
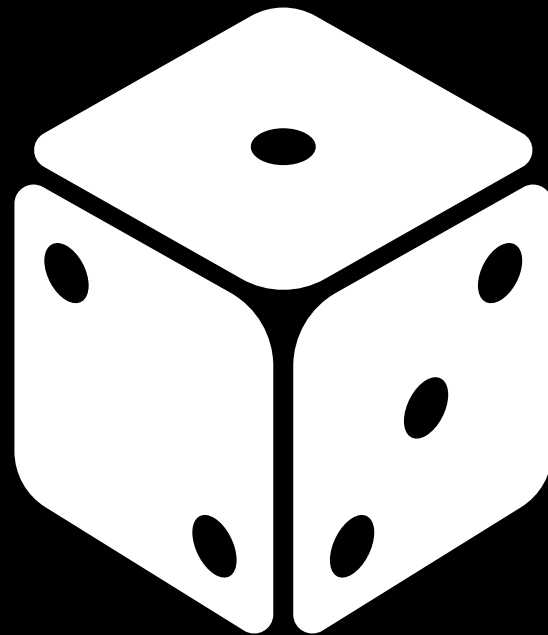


Demystifying Blockchain

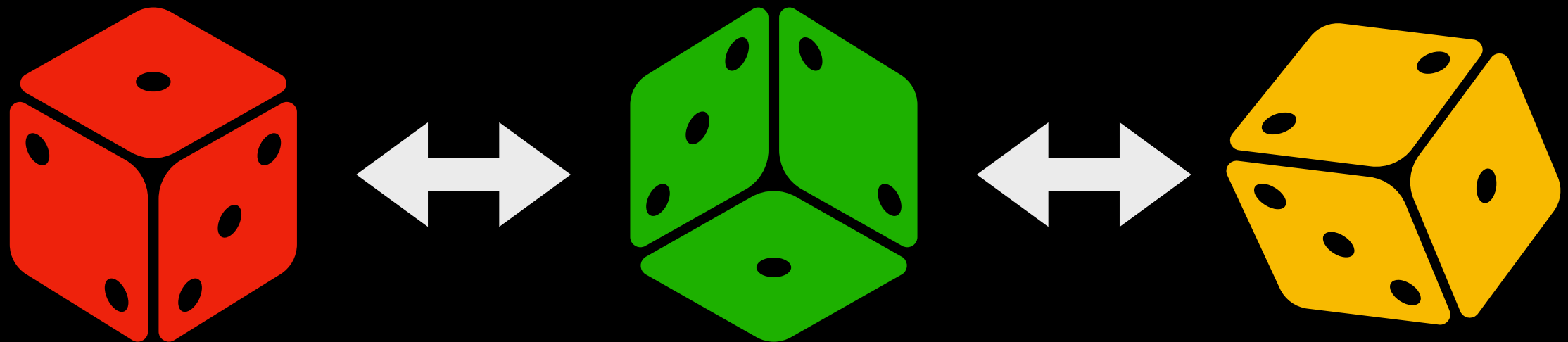


This is a Block



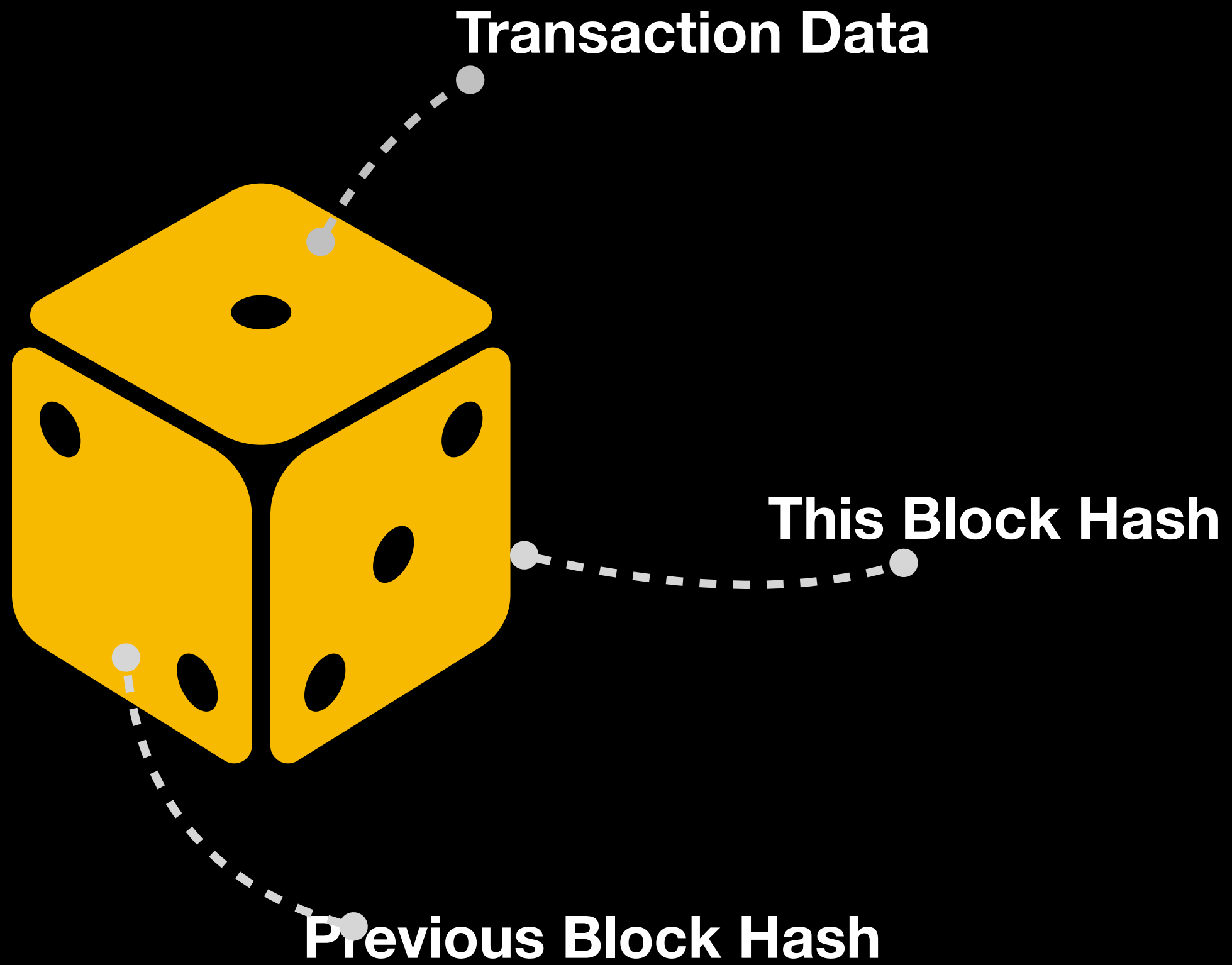
And...

This is a Blockchain!

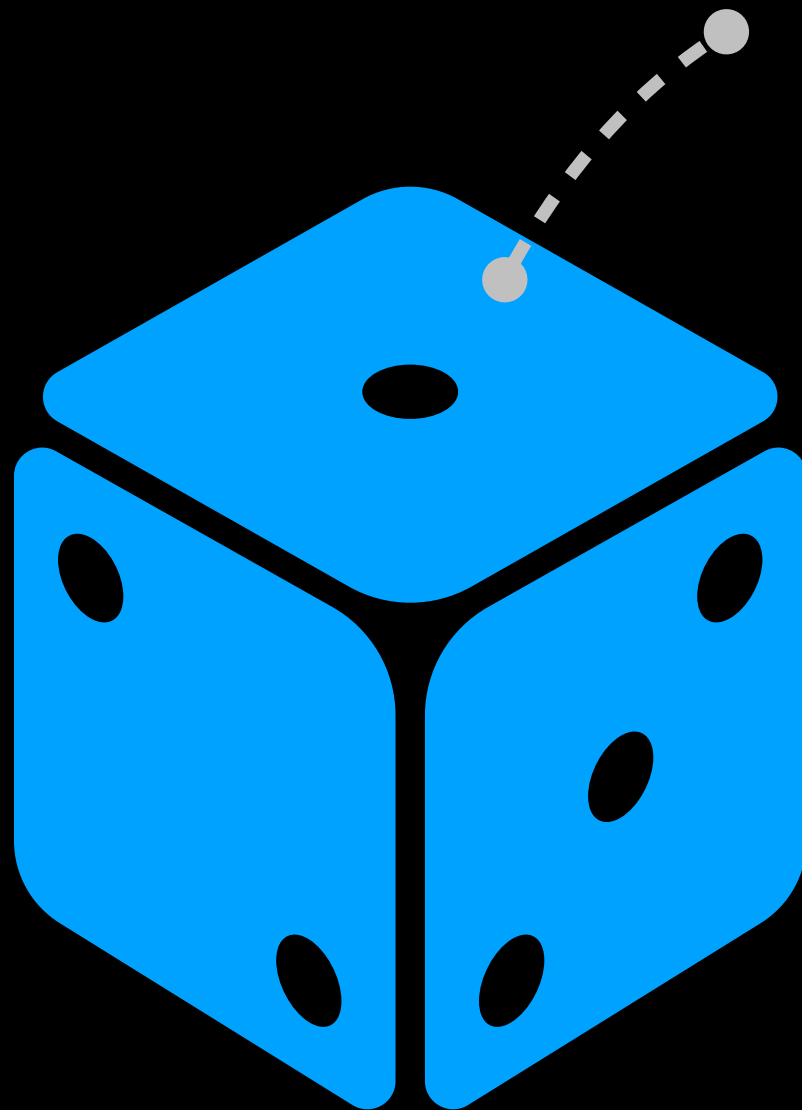


It's just a continuously growing list of records, called blocks, which are linked and secured using cryptography(Hashes).

It is distributed and technically can be used in any context, that's what makes it so fantastic!

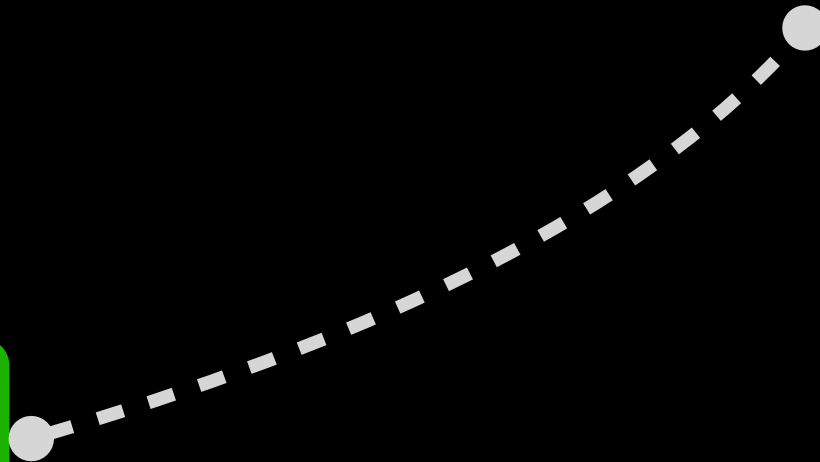


Transaction Data



Example with Bitcoin data:

This Block Hash



The Identifier of the current Block

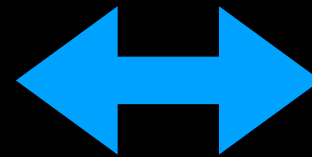
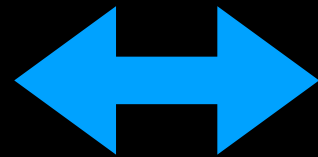
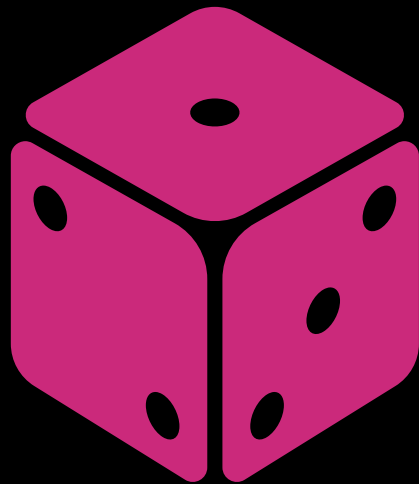
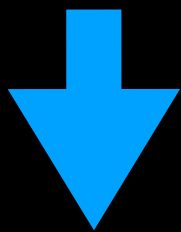


**Pretty important,
this is how we can build the chain**

Previous Block Hash

Quick Example

Genesis



Block Genesis

Hash: 1qaz2wsx
Prev. Hash: N/A
Data: Banana

Block 1

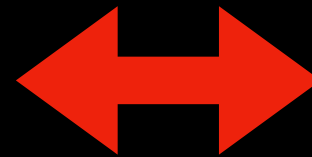
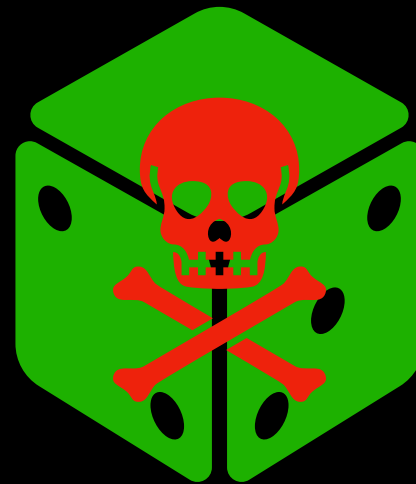
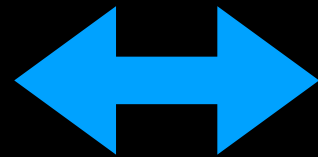
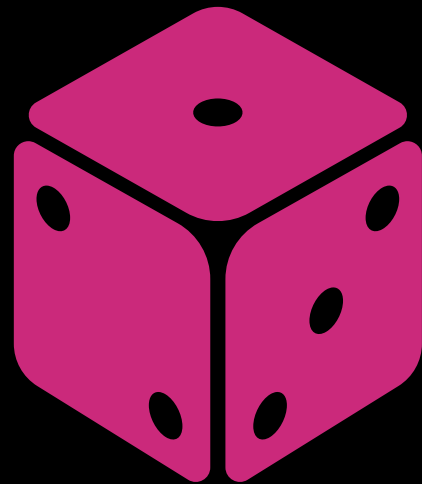
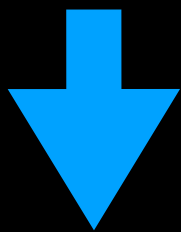
Hash: 3edc4rfv
Prev. Hash: 1qaz2wsx
Data: Apple

Block 2

Hash: 7ujmnh6
Prev. Hash: 3edc4rfv
Data: Pear

Hack Example

Genesis



Block Genesis

Hash: 1qaz2wsx
Prev. Hash: N/A
Data: Banana

Block 1

Hash: 5tgbnhy6
Prev. Hash: 1qaz2wsx
Data: Tomato

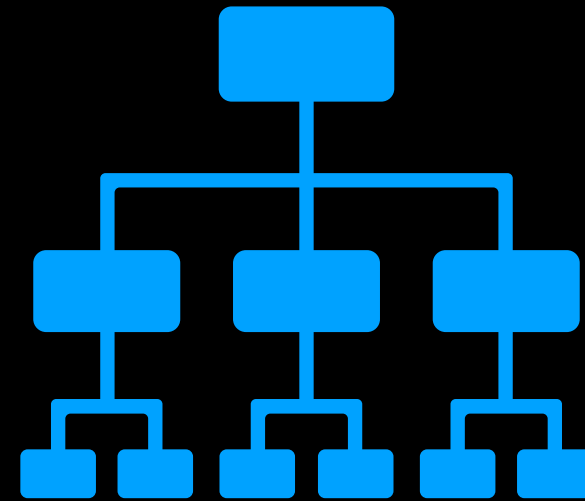
Block 2

Hash: 7ygvfr4
Prev. Hash: 5tgbnhy6
Data: Pear

Two important security layers



Proof Of Work



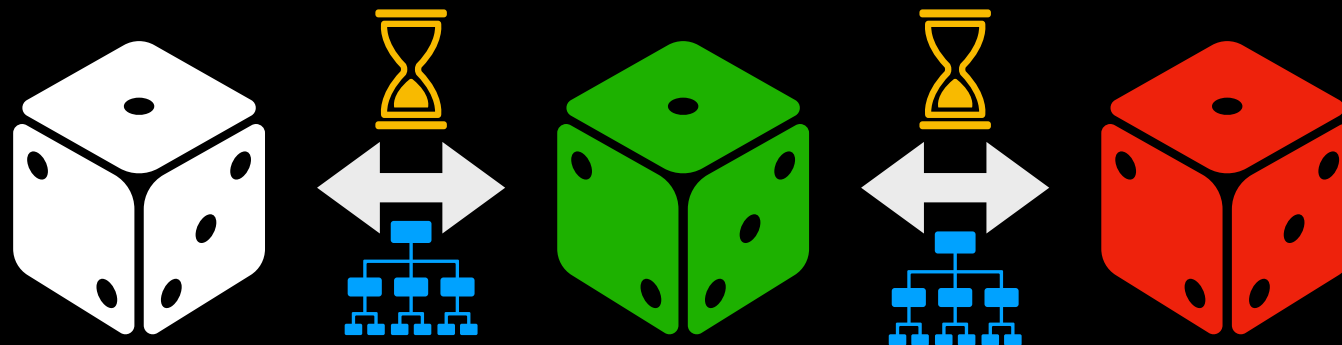
Consensus

Two important security layers



They are applied to every transaction...

So how hard is to build a block chain?



Let's see...

<https://github.com/JohanDuque/blockchain>