

## Overview of Blockchain

by

Prathamesh Joshi

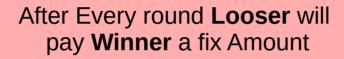


Summary Q&A Opportunity Myths Startups Underying Reality Technology Why Blockchain Game

#### Game of Thrones-Trust



Dhairya





Abhilash



SK





Guri

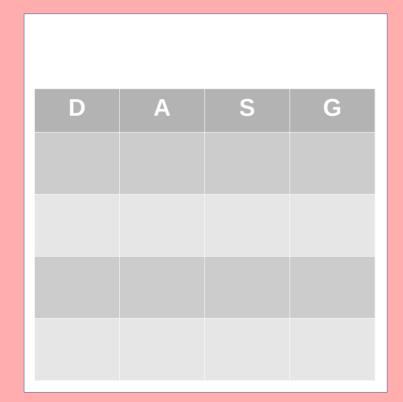
#### Game of Thrones **Trust**



Dhairya



SK



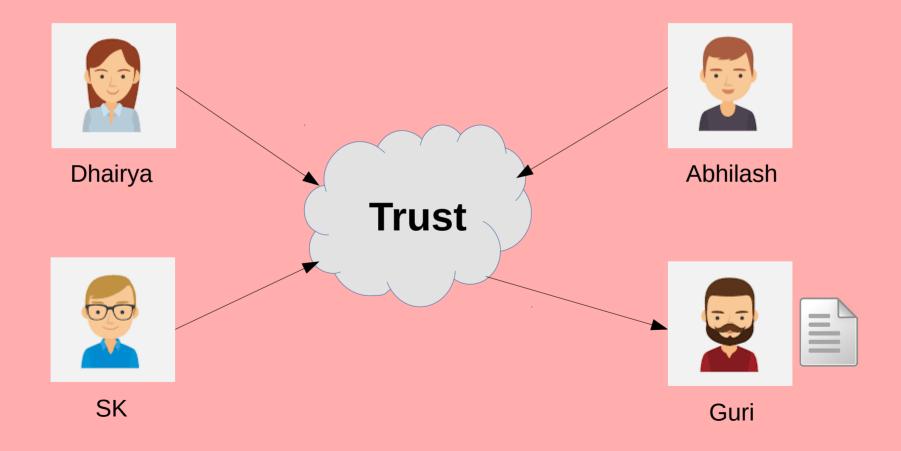


Abhilash



Guri

#### Game of Thrones-Trust



#### Game of Thrones Trust



Dhairya



SK





Abhilash



Guri

#### Game of Thrones-Trust







Everyone will keep an individual record of Game.



Abhilash



Guri

#### Game of Thrones-Trust



Dhairya









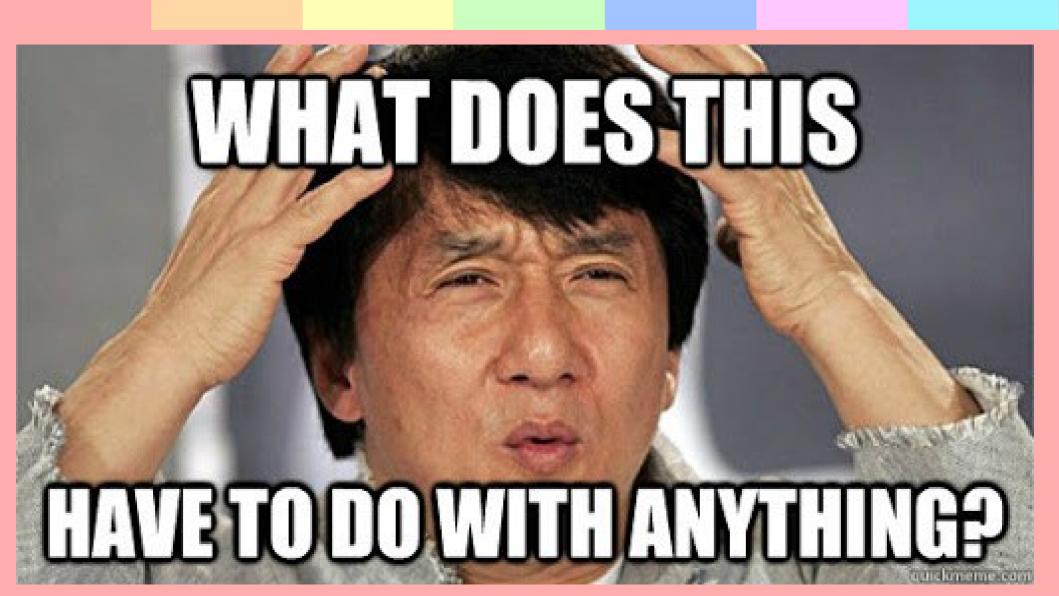
Abhilash



SK



Guri



Similarities with Blockchain

Allows to record value

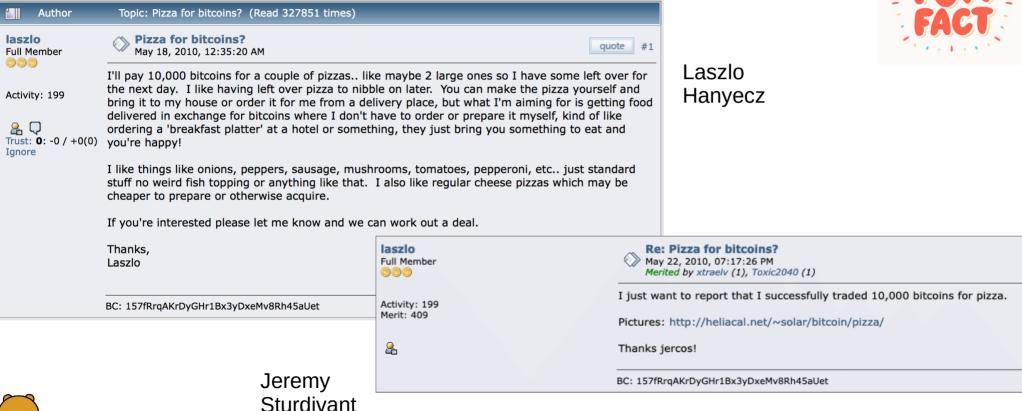
Decentralized

Distributed

Trustless System



#### May 22 is known as Bitcoin Pizza Day.





Need of Blockchain

Why Should I care about Blockchain?

**Need of Blockchain** 

Transfer Assets without MiddleMan

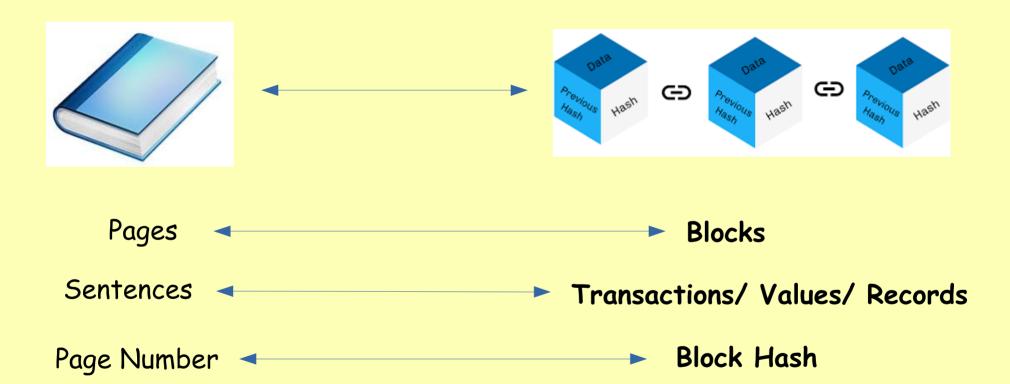
Transparent

Immutable

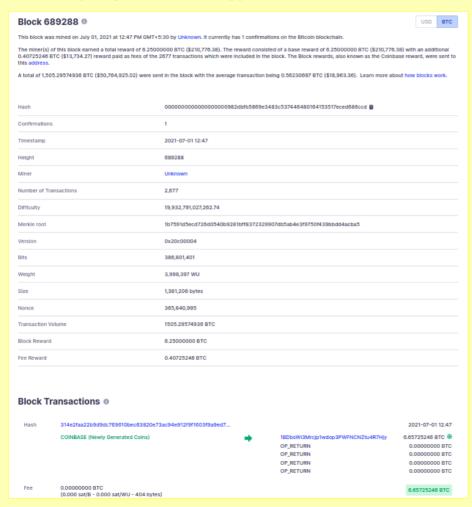
Inexpensive & Efficient to Use

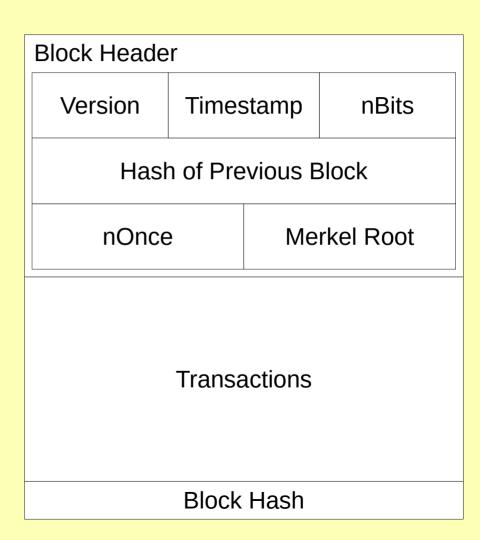
Traceability

#### Let's Play the Game with Blockchain



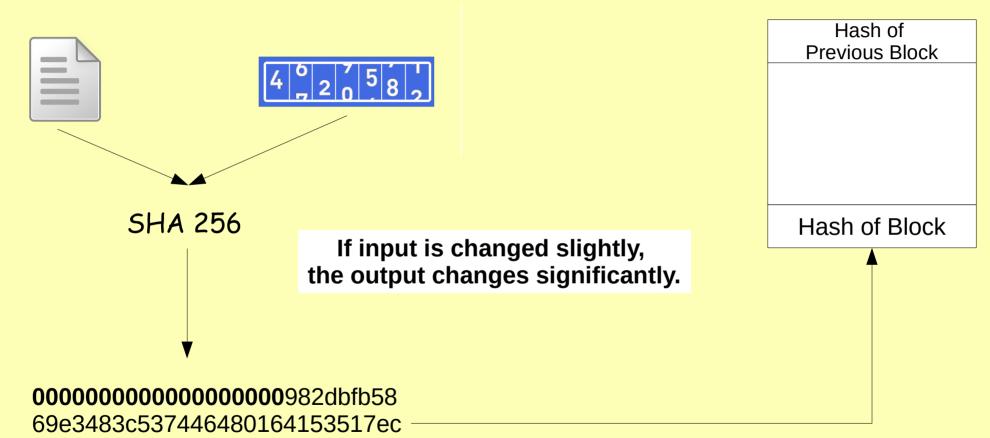
How a Block Really looks Like?



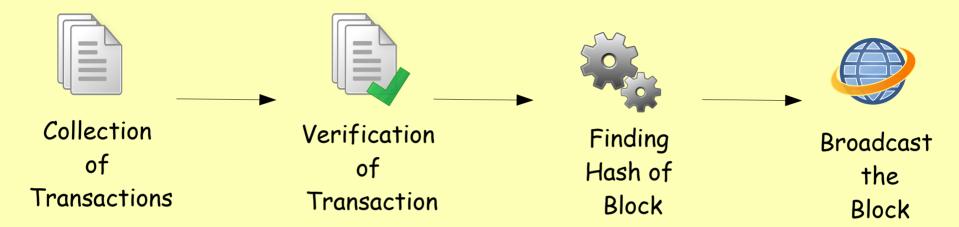


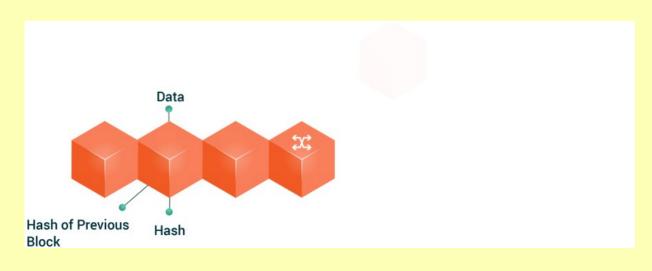
How to find the Page Number?

ed686ccd



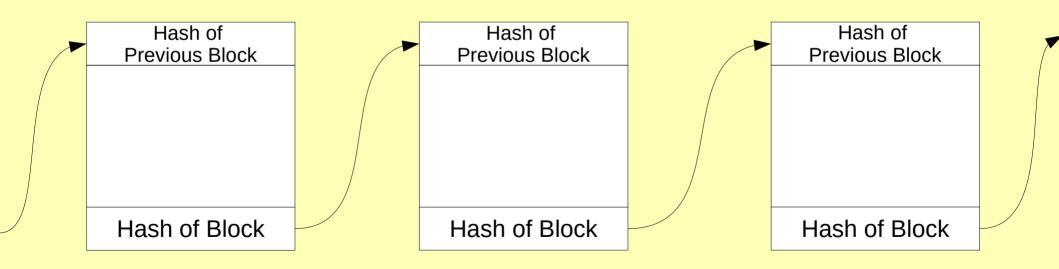
How can I earn Rewards? Who create new Bitcoins?



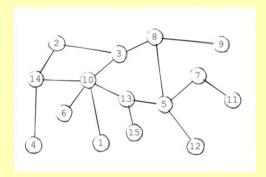


Bitcoin Mining Or Mining a Block

#### Blockchain

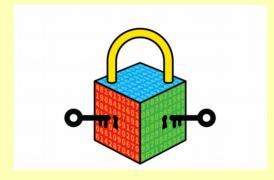


#### P2P Networking



- Connectivity
- Availability
- Scalability
- Fault Tolerence

#### Cryptography



**User Authentication** 

• ECC

**Block Mining** 

• SHA 256

#### Game Theory



- Who will mine the next Block.
- How much time will be required to mine a Block

On 15 August 2010, Due to a bug in the code of Bitcoin's Blockchain someone managed to make a transaction that created 184 Billion bitcoins.

(184,467,440,737.09551616 bitcoins to be specific.)

"prev out" .

92233720368.54277039 BTC? Is that UINT64\_MAX, I wonder?

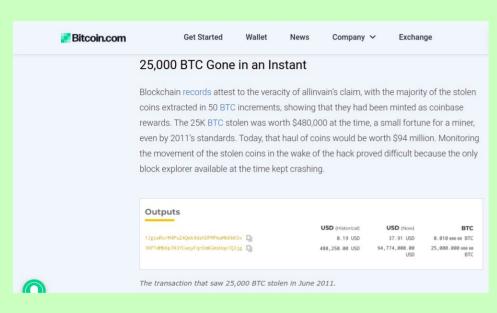


Topic: Strange block 74638 (Read 43926 times) igarzik Strange block 74638 Legendary August 15, 2010, 06:08:49 PM Merited by LovceV (4), DdmrDdmr (2), vapourminer (1), Financisto (1) Activity: 1596 The "value out" in this block #74638 is quite strange: Merit: 1015 2 "hash": "0000000000790ab3f22ec756ad43b6ab569abf0bddeb97c67a6f7b1470a7ec1c", "prev block": "0000000000606865e679308edf079991764d88e8122ca9250aef5386962b6e84", "mrkl root": "618eba14419e13c8d08d38c346da7cd1c7c66fd8831421056ae56d8d80b6ec5e". "time": 1281891957, "bits": 469794830. "nonce": 28192719, "n tx" : 2, "tx" : [ "hash": "012cd8f8910355da9dd214627a31acfeb61ac66e13560255bfd87d3e9c50e1ca". "ver" : 1, "vin sz" : 1, "vout sz" : 1, "lock time" : 0. "in" : [



#### Myths & Reality

#### Blockchain is secure & it can't be hacked.







#### **Forbes**

Jan 28, 2020, 03:48pm EST | 1,626 views

#### Bitcoin Rival Suffers Devastating Attack



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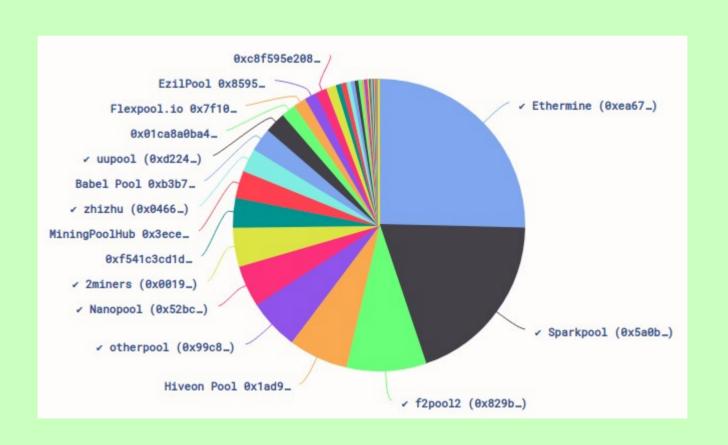
Billy Bambrough Senior Contributor ①

Bitcoin gold, a relatively minor cryptocurrency that split off from the original bitcoin blockchain in late 2017, has suffered a so-called 51% attack resulting in over \$72,000 worth of bitcoin gold tokens being double spent.

A 51% attack can occur when malicious cryptocurrency miners take control of tokens' blockchain and is the second time it's now happened to bitcoin gold which saw \$18 million worth of bitcoin gold stolen in May 2018.

#### Myths & Reality

#### Blockchain is Decentralised.



Opportunities & Startups

## Is Cryptocurrency the only Application of Blockchain?

#### Opportunities & Startups



Search Engine



Video Streaming Platforms



Social Networking Websites



Cloud Storage Platforms



Messaging Applications



Games

Opportunities & Startups

Is there anything else?



ripple

banks, who will be

using it for quick

mobile payments

INSURANCE

A smart contract

being used by

Insurer American

Inc as a means of

saving costs and

increasing

transparency

PROTECTION

The protection of

endangered species

is being facilitated

project that records

these rare animals.

CARBON OFFSETS

Hyperledger Fabric

blockchain in China

to monitor carbon

blockchain can be

cloud-based service

accessed as a

Microsoft Azure.

offset trading.

ENTERPRISE

Ethereum's

courtesy of

IBM is using the

via a blockchain

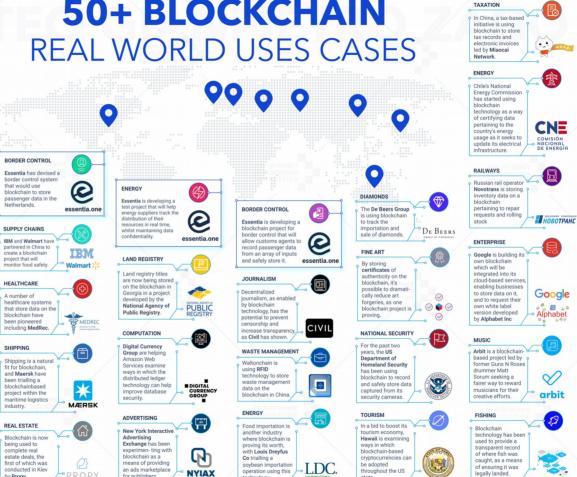
the activities of

based blockchain is

International Group

ENDANGERED SPECIES

### **50+ BLOCKCHAIN**





HYPERLEDGE

by Propy.

ATTEO GIANPIETRO

technology.

for nublishers

# What Great Minds Think about Blockchain?



#### What?

Allows to record value, Decentralized, Distributed, Cryptographically Secured, Immutable

#### Why?

Eliminates MiddleMan, Secured, Transparent, Efficient, Inexpensive

#### Where?

Almost Everywhere

This is the  $\mathcal{END}$  of Today's Webinar on &  $\mathcal{BEGINING}$  of your Journey in the World of

