

BLOCKCHAIN: BEAUTIES,  
HIDDEN MYSTERIES AND POTENTIAL



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

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This is **not a technical presentation.**

The objective is to convey the **excitement I feel.**

## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

Suppose there is a small country.  
It has a King that sets all the rules.



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Then one night a **fairy comes.**

And she tells the people:

**"I am going to change your life.**

Tomorrow morning when you get up,  
you will see a change."

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

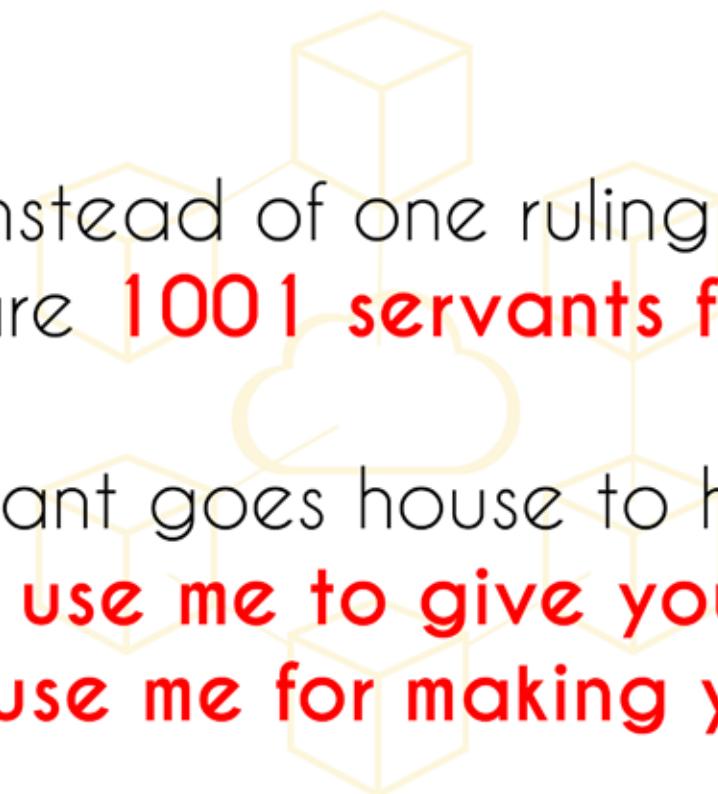


The next morning,  
when people wake up,  
**The Kingdom is gone.**



Rule of the King is  
replaced by  
**rule of the servants.**

## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

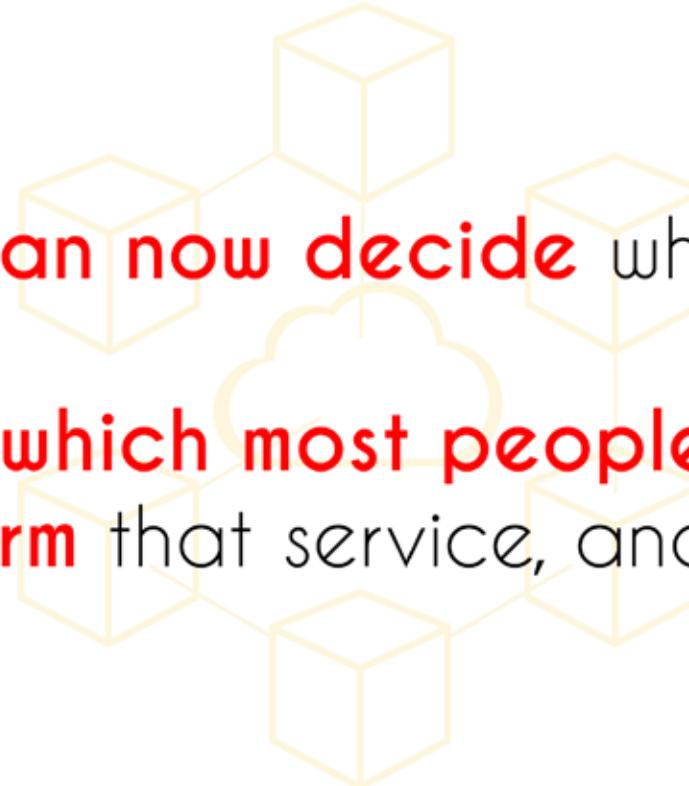


Instead of one ruling king,  
now there are **1001 servants for the citizens.**

And each servant goes house to house, tells people:  
“Please **use me to give you security.**”  
“Please **use me for making your roads.**”

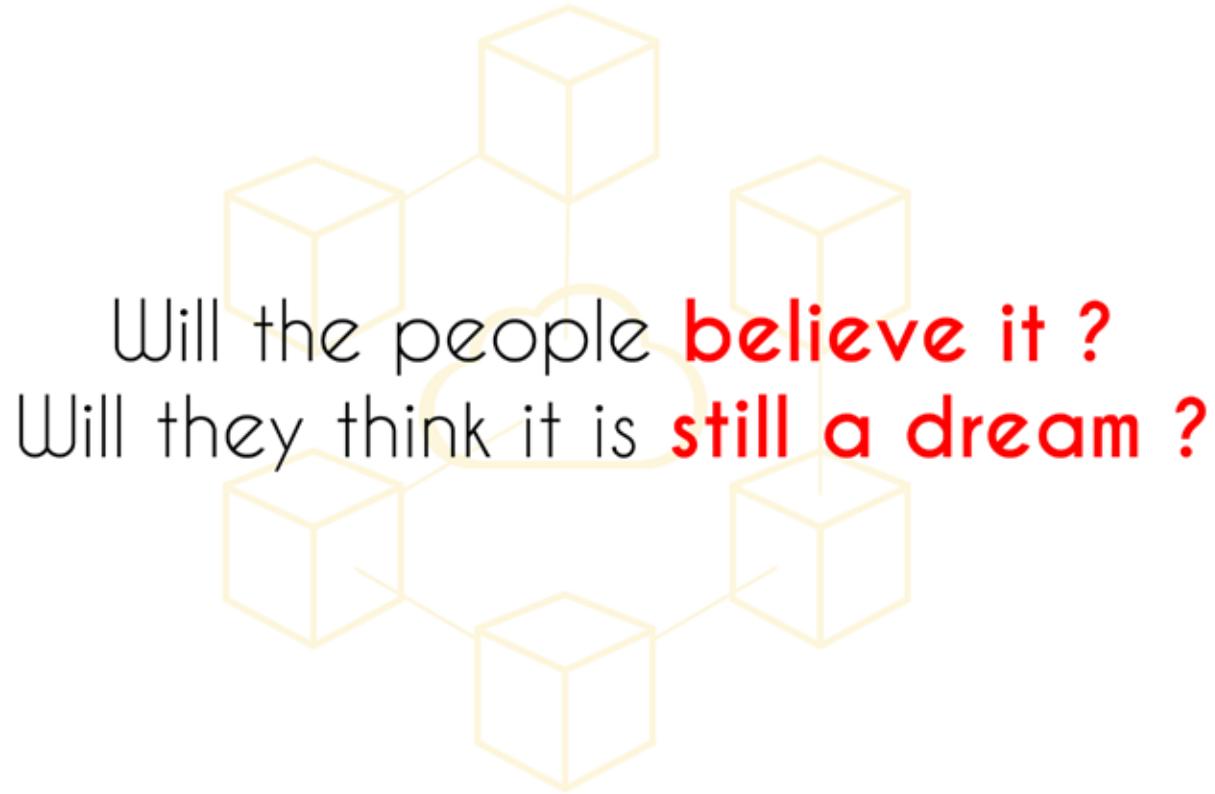
## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

Each person **can now decide** which servant to use.



The **servant which most people decide to use** gets to **perform** that service, and gets **paid** for it.

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# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

That is **essentially the difference**  
between today's world and **blockchain world.**



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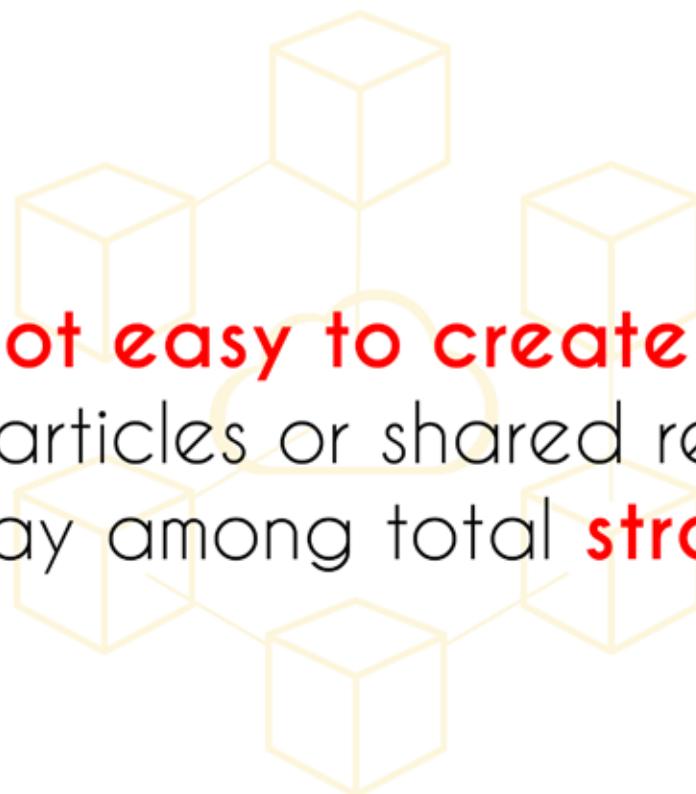
**“Any sufficiently advanced technology  
is indistinguishable from magic.”**

/Arthur C Clark/

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



It's **not easy to create** shared newspaper articles or shared research reports today among total **strangers**.

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Because its **not easy to set**  
the initial templates and rules of  
quality **for such collaboration.**

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## Exercise:

So lets do a **shared article** on the subject  
"Impact of WhatsApp"

**The template could begin like this:**

1. How people communicated **before WhatsApp**
2. **How did WhatsApp start**
3. What are the **benefits**

**Extend** the template to 5 headings.

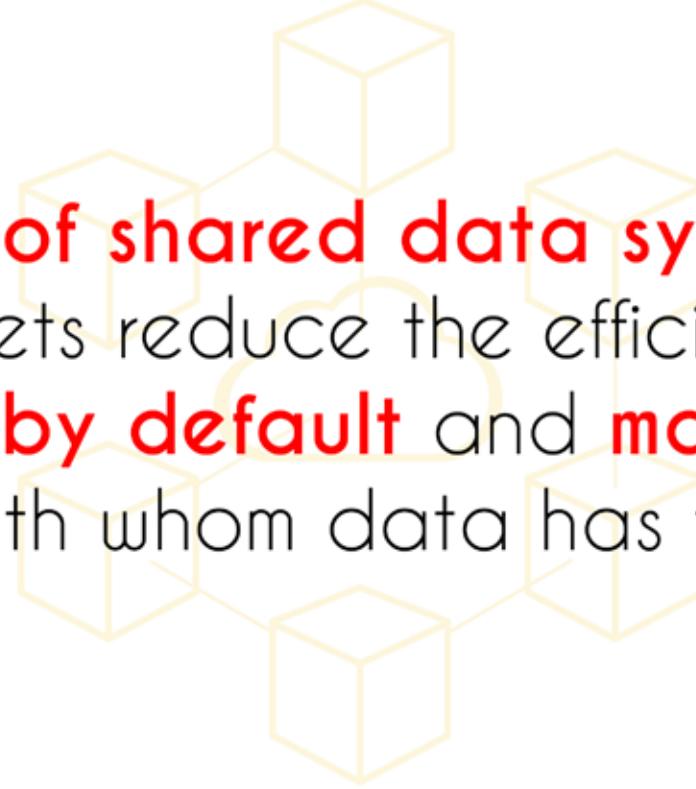
**Participate and create** content according to template.  
**Collectively choose** among competing content.

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**Without blockchain** it is very **difficult to do**  
such kind of data co-ordination among strangers.

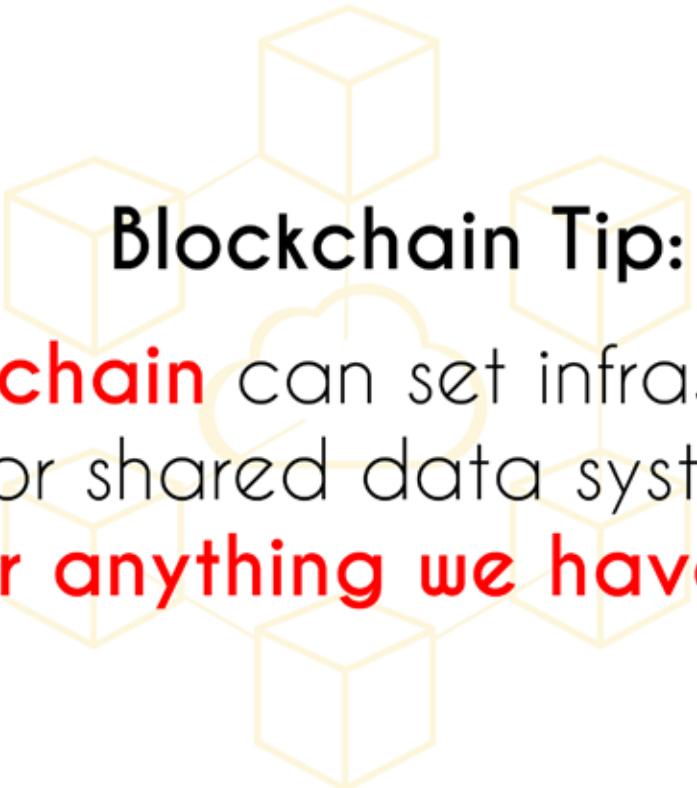


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**Most of shared data systems** like Google Sheets reduce the efficiency by having **no sharing by default** and **manually adding** people with whom data has to be shared.

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



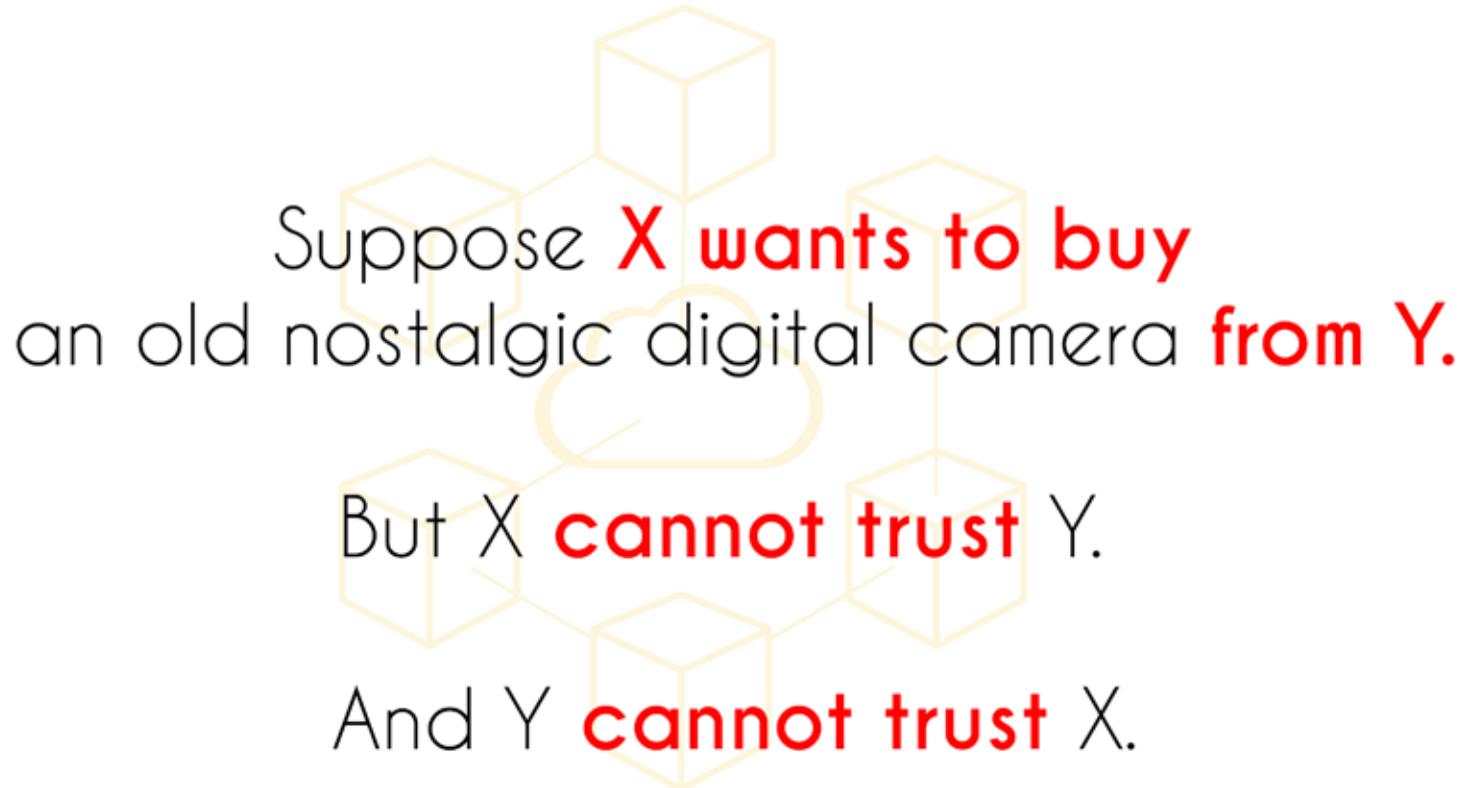
**Blockchain Tip:**  
**Blockchain** can set infrastructure  
for shared data systems  
**better anything we have today.**

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

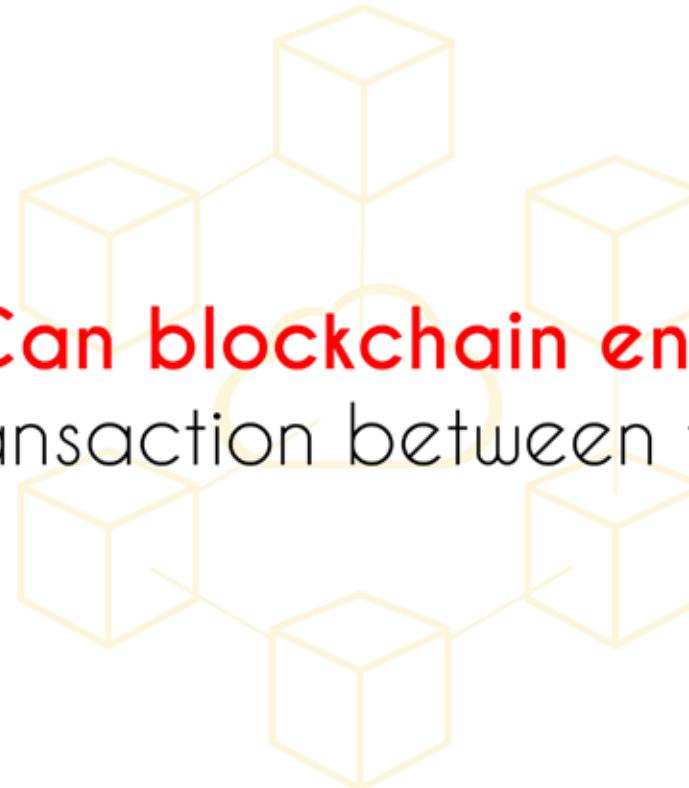
**BEAUTY OF BEING ABLE TO  
TRUST STRANGERS**



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



Can blockchain enable  
transaction between them ?

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



Suppose the cost  
of digital camera is 100 USD.

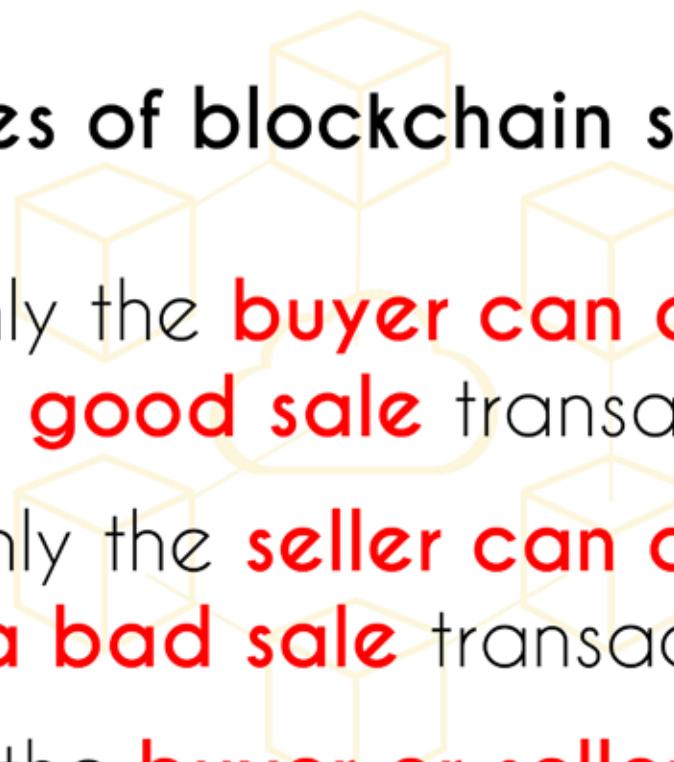
# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

**X blocks** 200 USD worth of  
Cryptocurrency **in a blockchain system.**

**Y also blocks** 200 USD worth of  
Cryptocurrency **in same blockchain system.**

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The rules of blockchain system are :



Only the **buyer can confirm  
a good sale** transaction.

Only the **seller can cancel  
a bad sale** transaction.

Either the **buyer or seller must act**  
otherwise both will lose 200 USD.

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So when the **money from both sides is blocked**,  
the **seller Y sends** the digital camera.

If **buyer X is happy, he confirms** the transaction.

On confirmation, Y gets 300 USD from blockchain system.  
200 USD is his original block amount  
and 100 USD is sale price of camera.

And X gets 100 USD back.  
200 USD was his block amount  
and 100 USD of that was paid to the seller for camera.

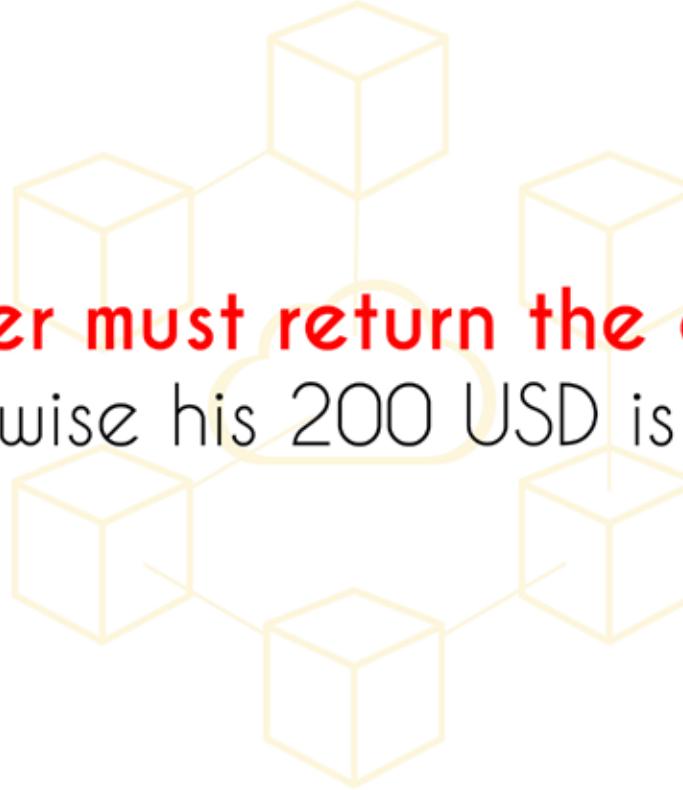
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If **buyer X is unhappy**,  
he sends the camera back to seller Y.

Seller **Y cancels the sale**  
and both of them get 200 USD back.

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**Buyer must return the camera**  
otherwise his 200 USD is blocked.



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Similarly **seller must cancel the sale,**  
otherwise his 200 USD is also blocked.

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Thus a **blockchain system** has **allowed** transaction between unknown strangers which was not previously possible.

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It is estimated that **global trade can increase at least 5 times** if strangers could transact among themselves.

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## Blockchain Tip:

Blockchain works only on **Blockchain IDs** and **private keys** which can enable strangers to set up contracts **without knowing each other.**

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**PROMISE OF USER CONTROLLED  
SELF IDENTIFICATION**



## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

Your **telephone** number is allocated  
by the telephone company.

Your **Facebook ID** is controlled by Facebook.

Facebook **can block** your account anytime.

Once blocked, **you will lose access**  
to all Facebook linked services.

## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

What if you **could chose** your own telephone number and **freely change** telephone company

Or if you **could pick your own ID** and tell Facebook to give you social media service on that.

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Then users **could carry forward** all their contacts to any service they wanted.

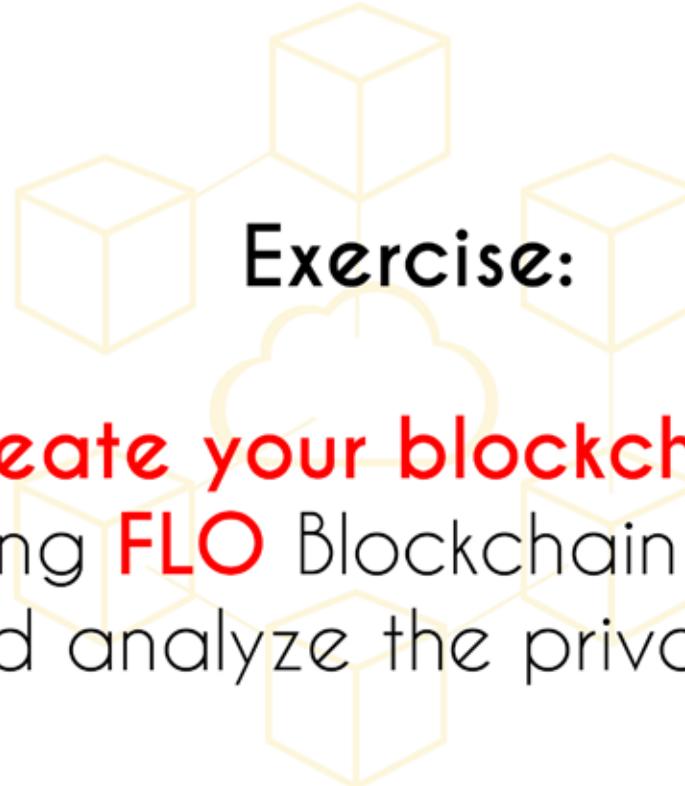
Users could **never be blocked** globally.

Users **could also share** their reputations, credit points on one system to another very easily.

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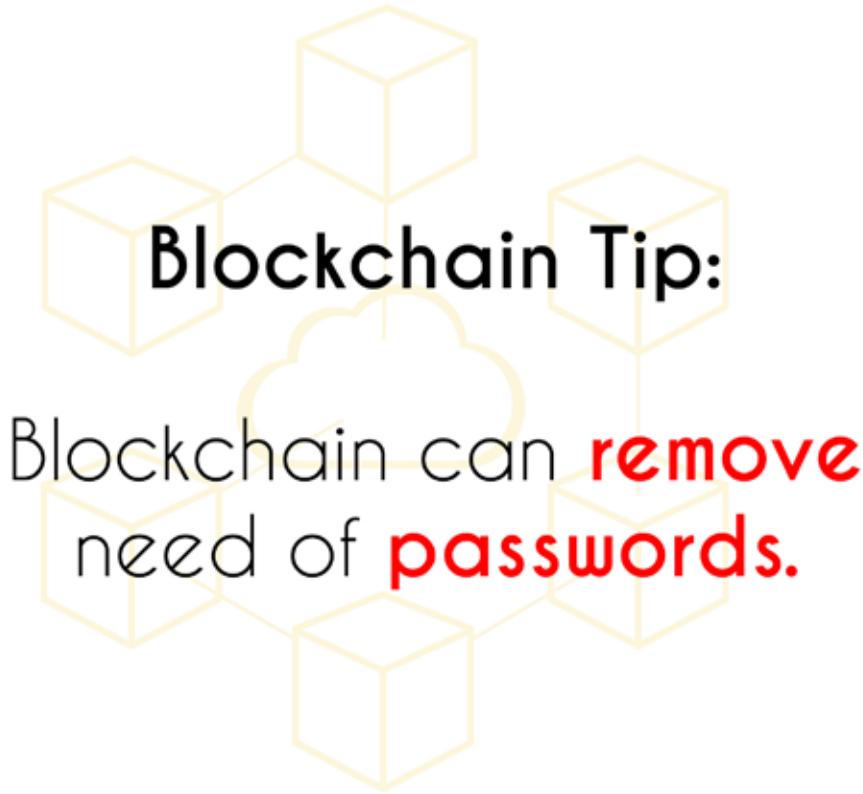
What if your bank account, your bus ticket,  
your train ticket, your post office mail,  
your phone number, your Whatsapp ID  
was **all linked to just one number** ?

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**Create your blockchain ID**  
using **FLO** Blockchain wallet  
and analyze the private key.

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# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



**BEAUTY OF RULE BASED SYSTEM  
WITHOUT EXCEPTIONS**

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What if the **same laws applied** to everyone ?  
With **no exceptions** granted to anyone.



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# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

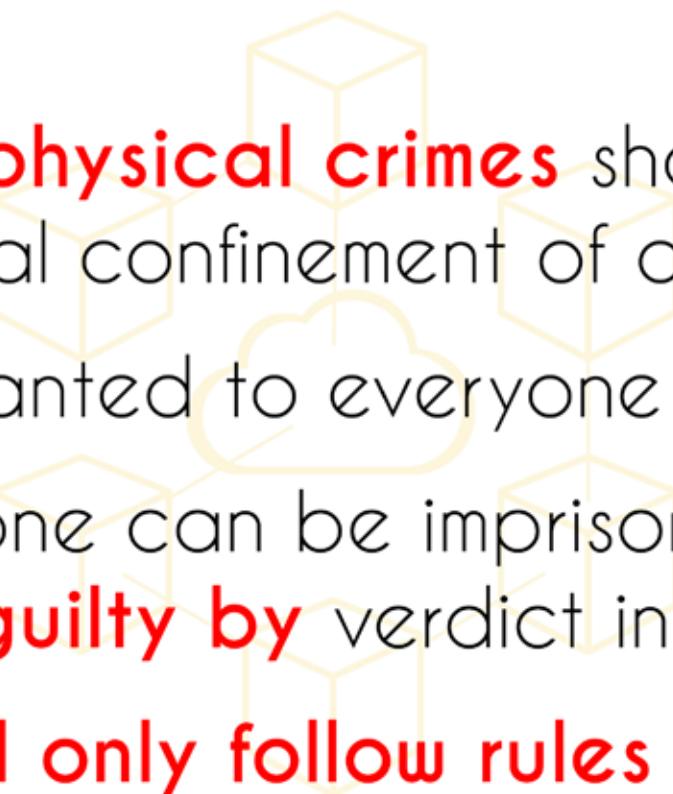
## Exercise:

Create a **law system for managing**  
the police force in a city.

Discuss **how to codify** it in blockchain.

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

## Clues:

- 
1. Only **physical crimes** should have physical confinement of accused.
  2. **Bail** is granted to everyone for first crime.
  3. No one can be imprisoned until **declared guilty by** verdict in court of law.
  4. **Police will only follow rules** in blockchain.  
No politician or powerful person can get an exemption.

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

## Clues:

5. **No power** to grant pardon to President or Prime Minister
6. If President or Prime Minister break the rules, they will get be **treated equally** by blockchain based police as anyone else.

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**Rules can be created for**

Incorporating a company on blockchain.

**Rules can be created for**

having a new university system.

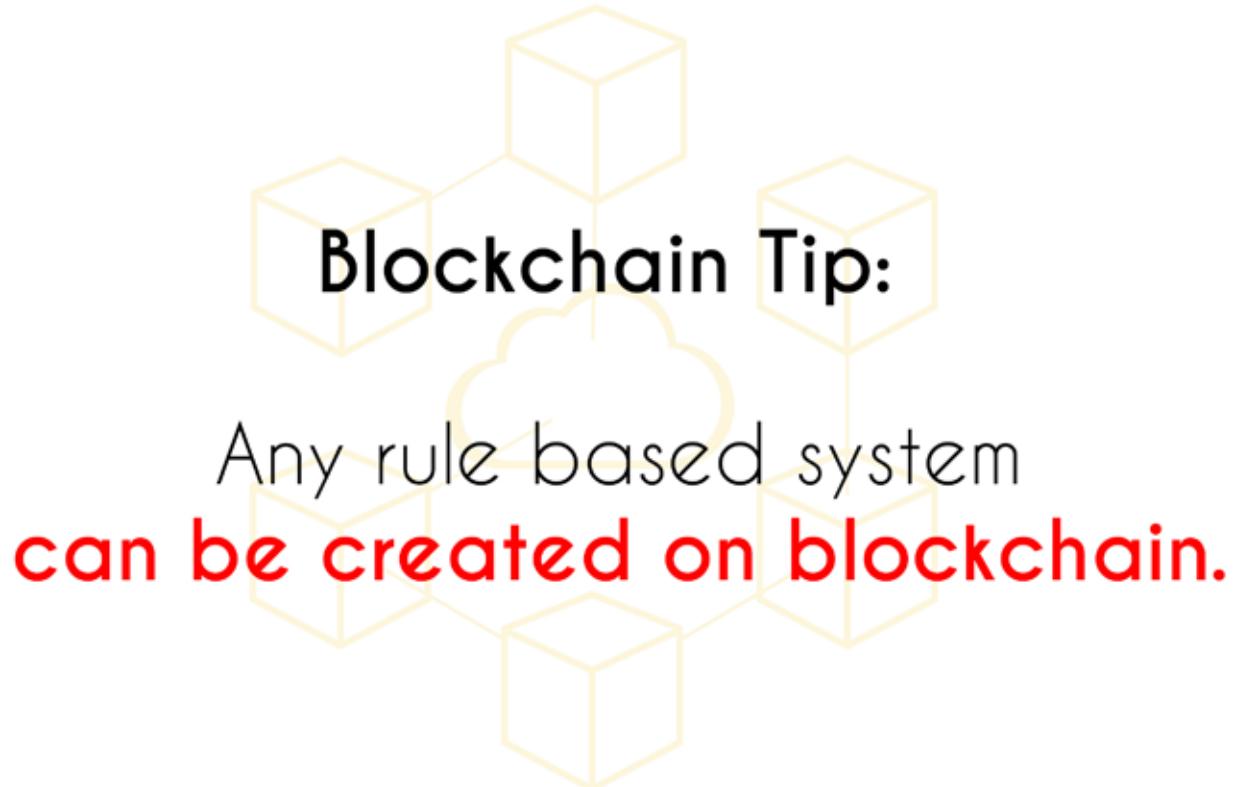
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**Rules can be created for**  
new kind of banks.

**Rules can be created for**  
new kind of insurance companies.

# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



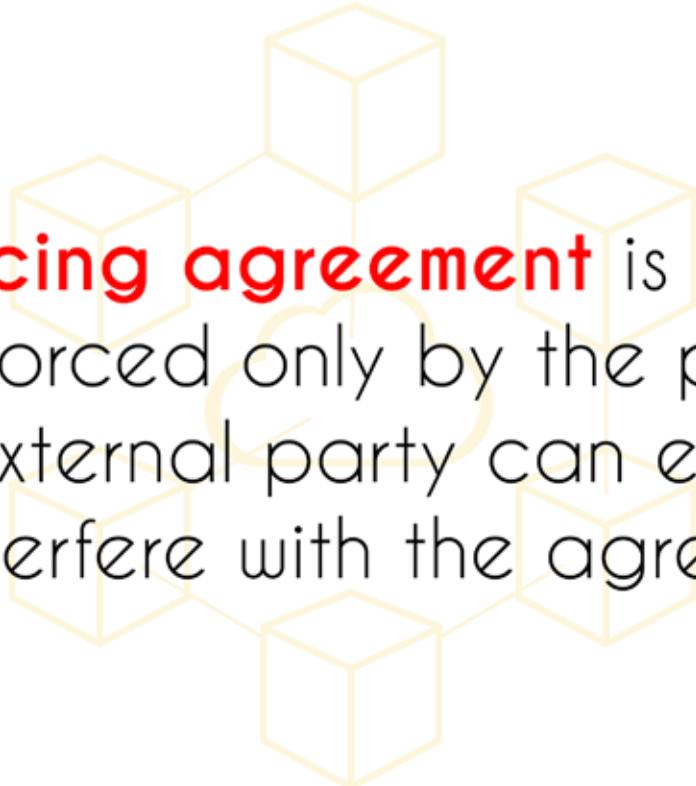
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HIDDEN MYSTERIES AND POTENTIAL



**HIDDEN MYSTERY**  
**OF SELF ENFORCING CONTRACTS**

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A **self-enforcing agreement** is an agreement that is enforced only by the parties to it; no external party can enforce or interfere with the agreement.



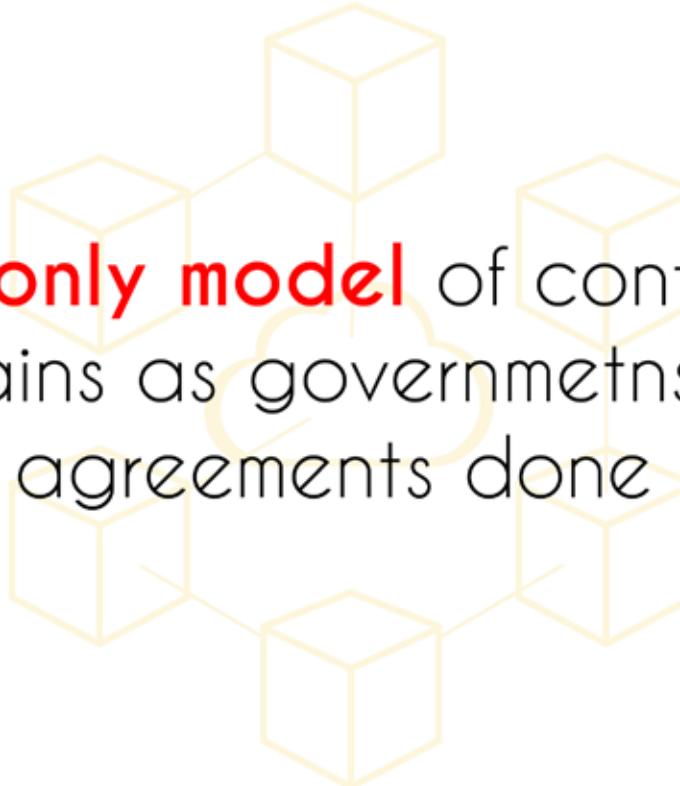
## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

At any moment, if one of the parties feel they are not gaining any longer, **they can walk out of the contract.**

Such contracts only work till all parties are better off at all times.

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This is the only model of contract possible  
in blockchains as governments are hesitant  
to recognize agreements done on blockchains.

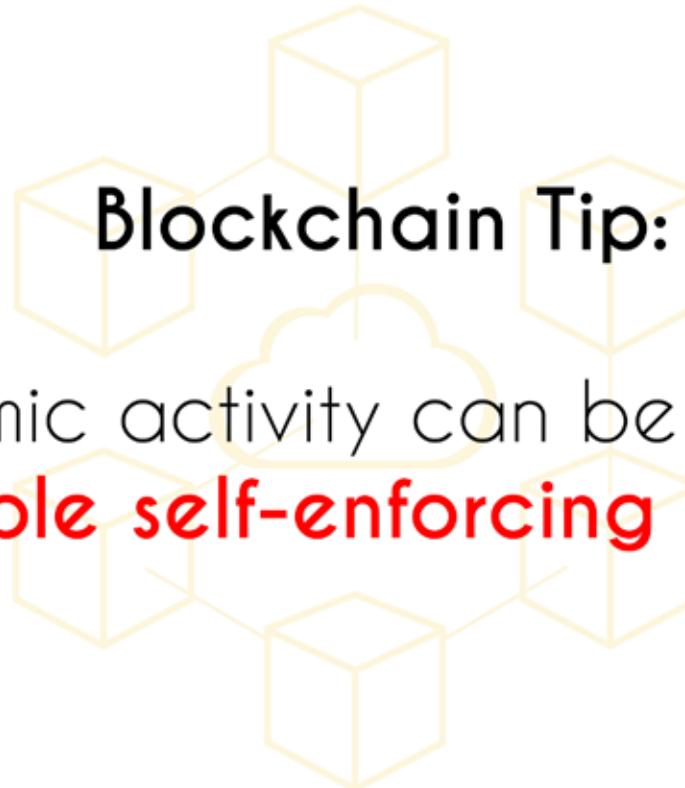


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## Exercise:

Create rules for a **blockchain based bank**  
with only self-enforcing lenders and depositors.

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Any economic activity can be re-organized  
as **multiple self-enforcing contracts.**

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**BEAUTY OF IMMUTABILITY OF DATA**



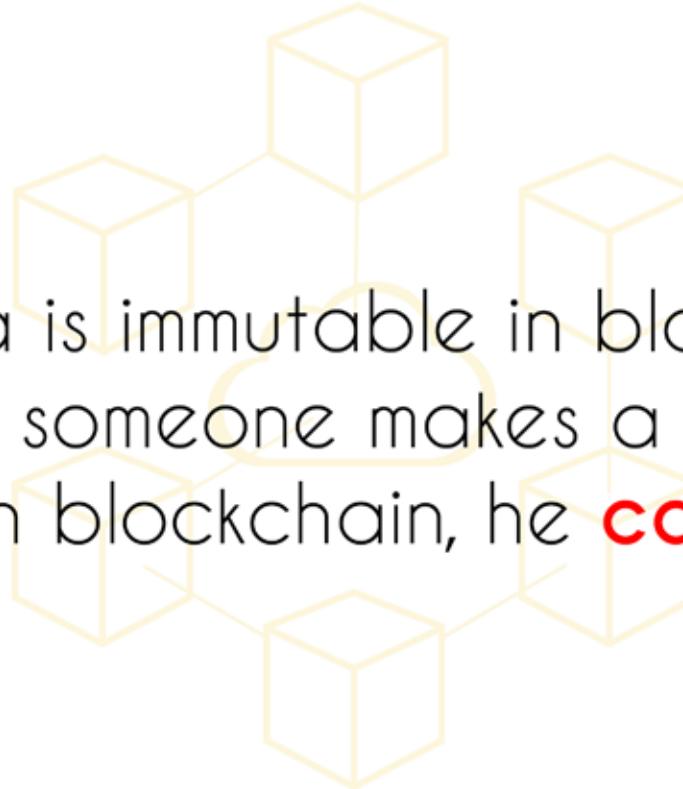
# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

If something is **immutable**,  
it cannot be changed.



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If data is immutable in blockchain,  
it means if someone makes a **commitment**  
to do something in blockchain, he **can not deny it later.**

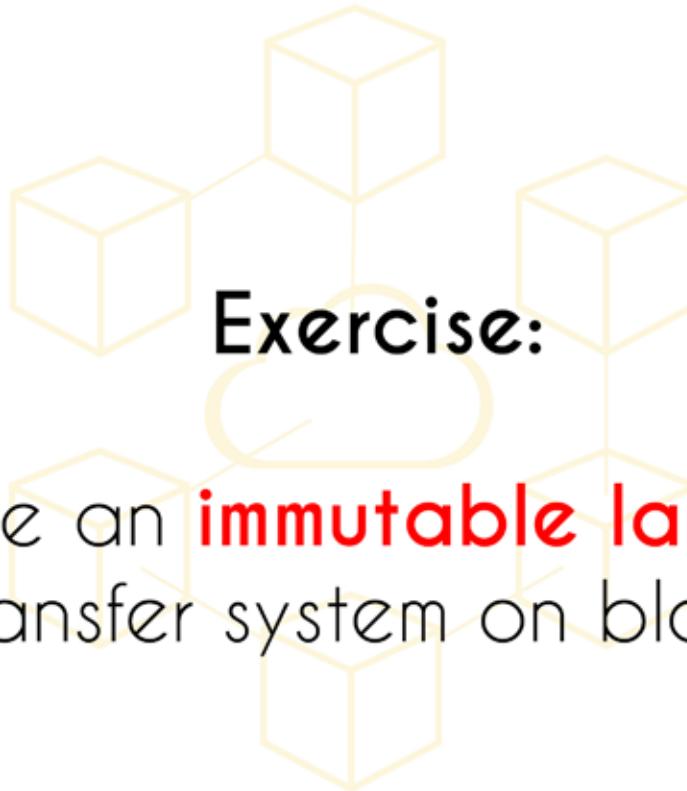


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This feature is key to all  
**trust creating abilities** of blockchain.

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## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

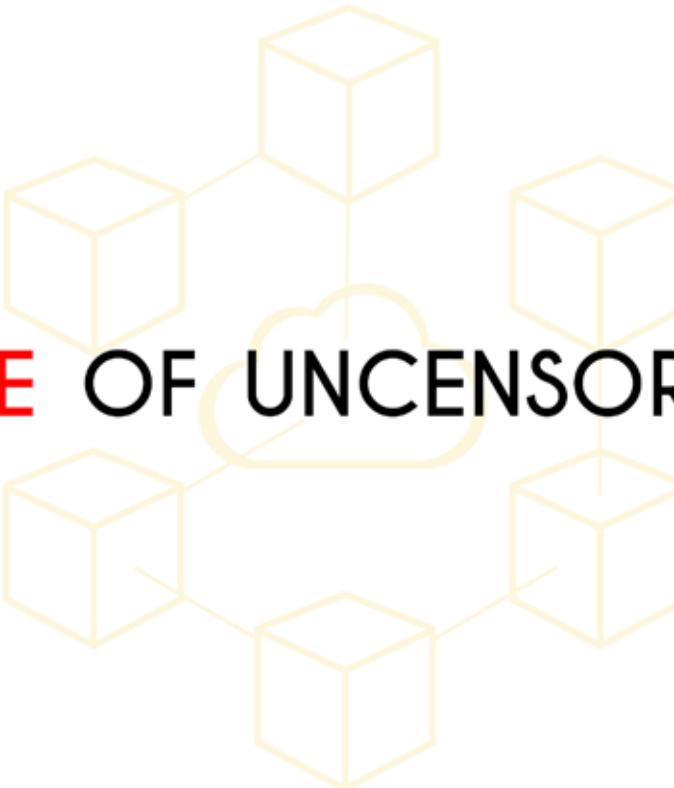
From the exercise in land blockchain system, you can see how much **transparency can be boosted** if all land records were on blockchain.

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New virtual property systems on blockchain  
with immutability can **surpass value** of  
all lands in less than 20 years.

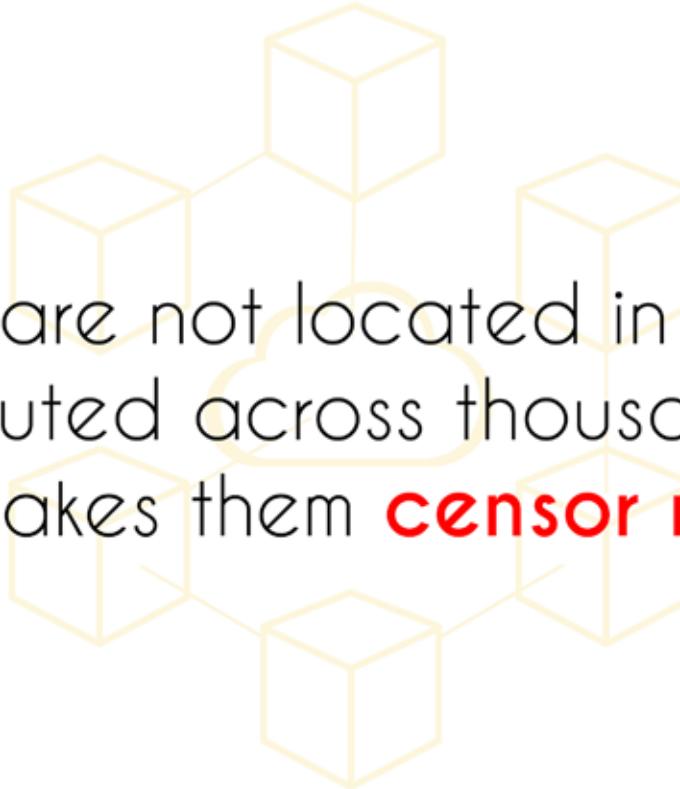
## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



PROMISE OF UNCENSORED WORLD

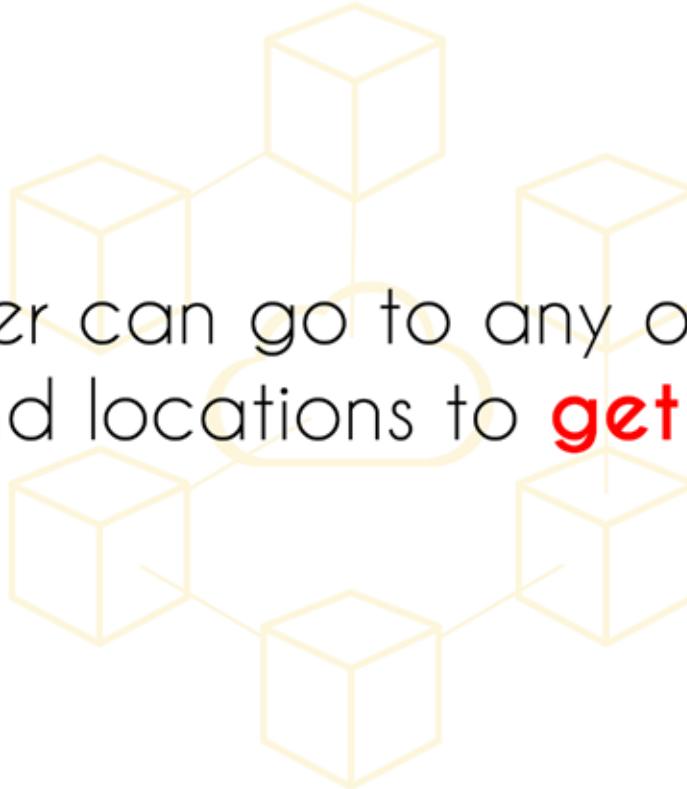
## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

Blockchains are not located in one computer.  
They are distributed across thousands of computers.  
That makes them **censor resistant.**

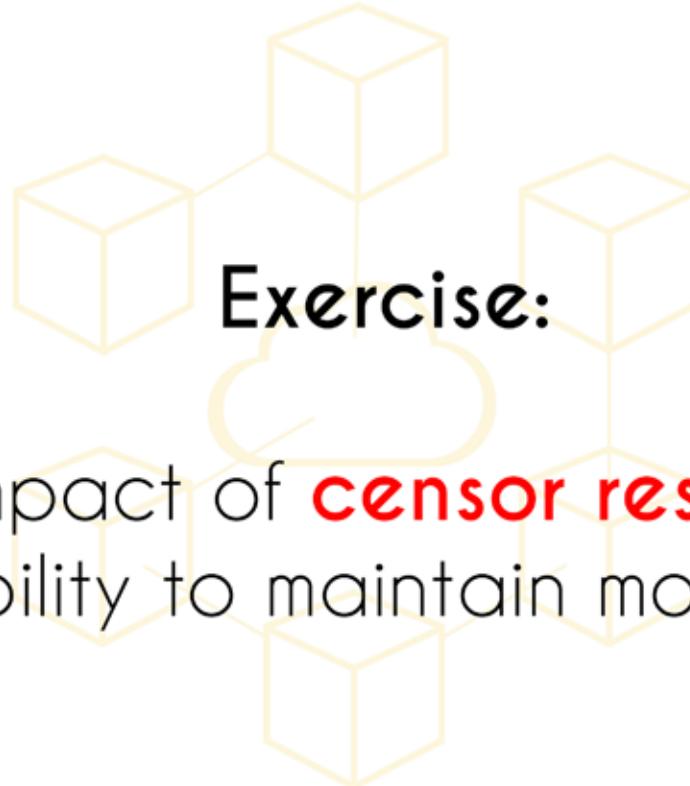


# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

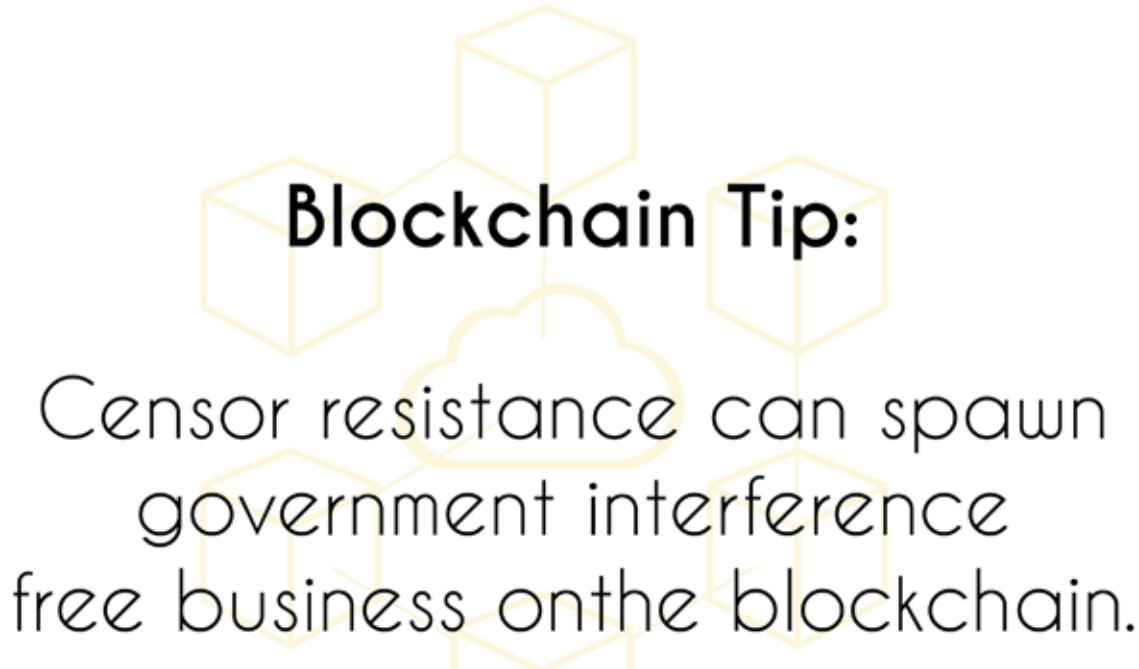
A user can go to any of those thousand locations to **get his data.**



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



BLOCKCHAIN: BEAUTIES,  
HIDDEN MYSTERIES AND POTENTIAL



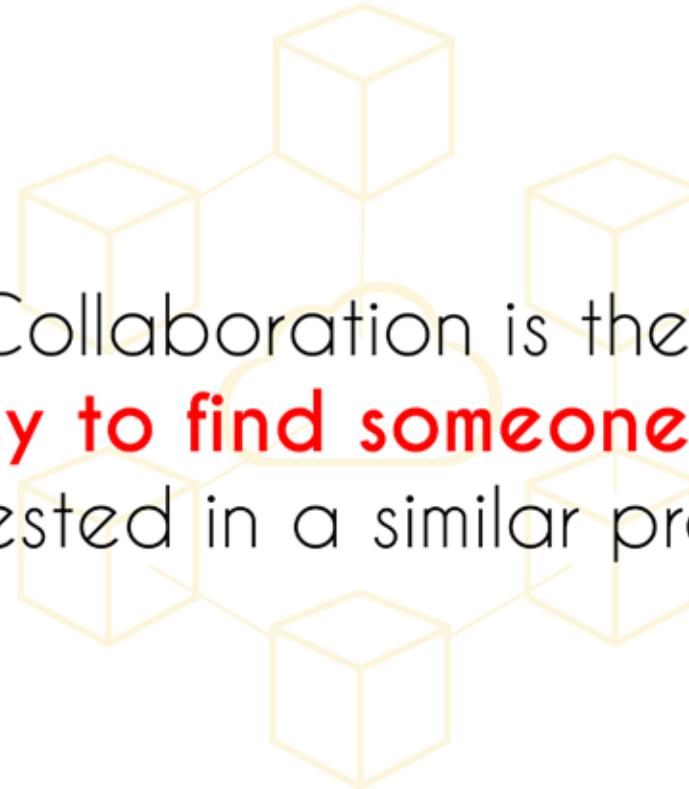
**HIDDEN MYSTERY**  
**OF INFINITE COLLABORATION**

## BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL

Blockchain can elevate normal level of collaborations to **infinite collaborations.**

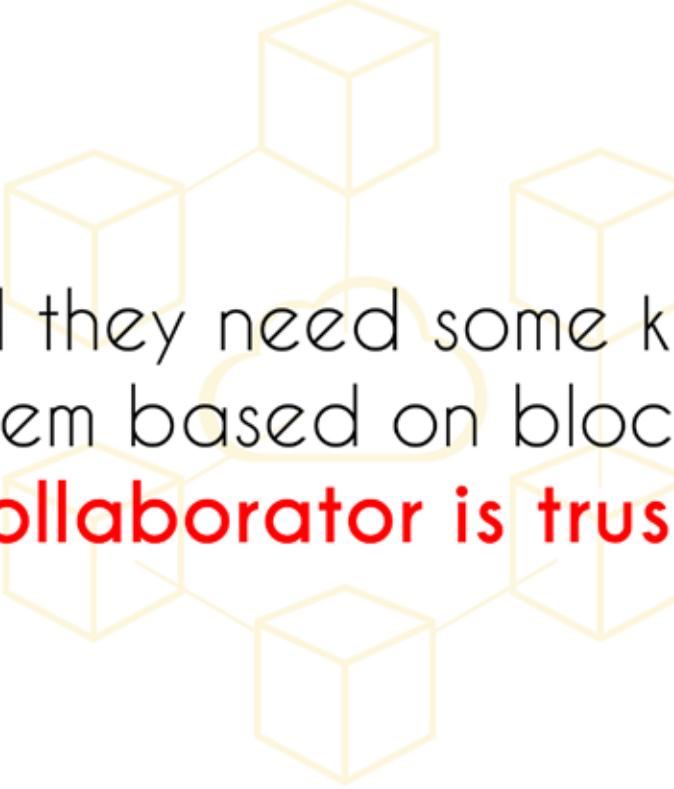


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Infinite Collaboration is the idea that it is **very easy to find someone** to collaborate who is interested in a similar project as yours.

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And they need some kind of reputation system based on blockchain ID so that **the collaborator is trustworthy.**

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## Exercise:

**Find collaborators** to make a video on  
"Tourist Spots in my city".

What kind of collaborators you are **seeking?**

**Why** should they collaborate with you?

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## Blockchain Tip:

People with **marketing** skills and  
**technology** skills make good collaborators.

**Technology and Design** professionals  
also make good collaborators.

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# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



We have the capability of  
**redefining relationships** using blockchain.

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**Employee-Employer relationship:**

Can the employees become automatic stakeholders without salary in a startup ?

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## **Customer Investor relationship:**

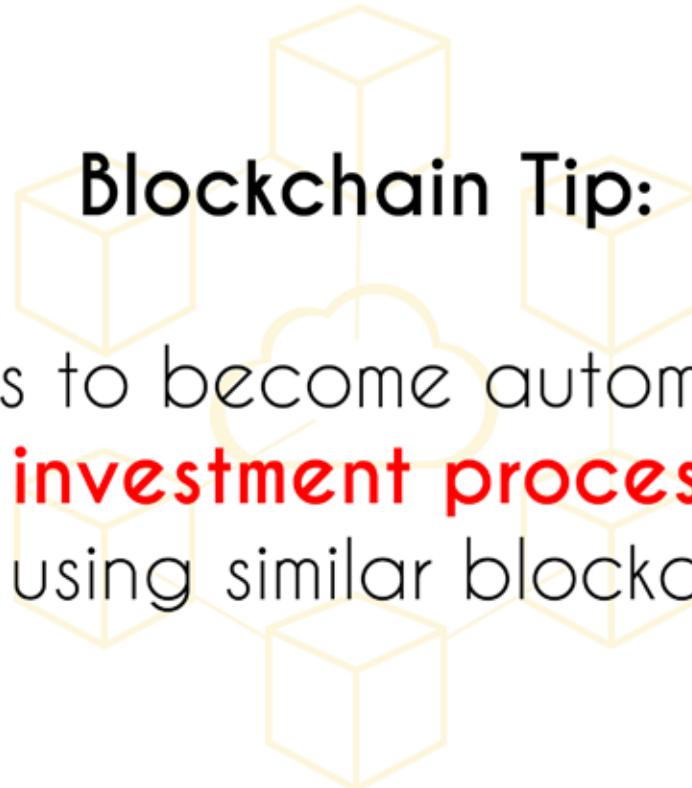
Can your customer become automatic investor in your company every time he buys something from your company ?

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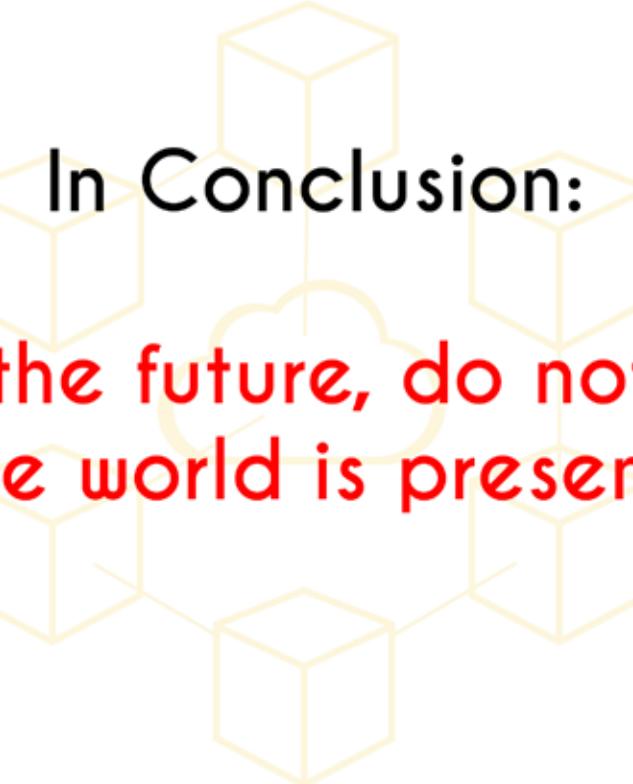
Think of blockchain schemes that can convert  
your **customer** directly **into** your **investor**.

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For customers to become automatic investors,  
**sales and investment process** has to be  
unified using similar blockchain IDs.

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# BLOCKCHAIN: BEAUTIES, HIDDEN MYSTERIES AND POTENTIAL



Dream up the future and figure out  
what you need to do today  
to make that future happen.

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## CONTACT:



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