Transparência *para redução das desigualdades*

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Quem sou eu?

Scientist, researcher, developer and nature lover. I have been trying to release my research as open-source projects, open for external contributions and suggestions.

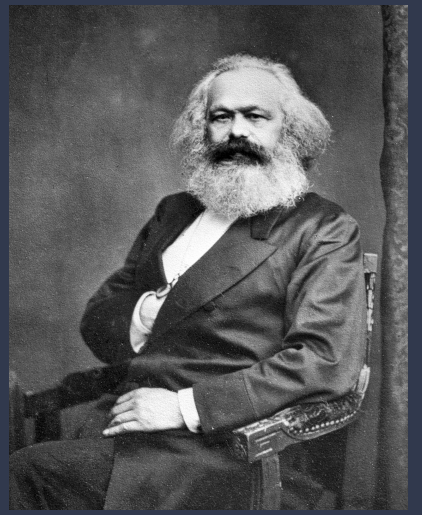
Agenda

- O Capital
- Blockchain
- Smart Economy
- Exemplos
- Blockchain para as cidades

O Capital e Blockchain Supply Chain

"(...)neste não se percebe como ele chegou às mãos de seu possuidor ou qual mercadoria foi nele transformada."

Marx, Karl. "O capital: livro I, vol. 1." Rio de Janeiro: Civilização Brasileira (1980): 189.



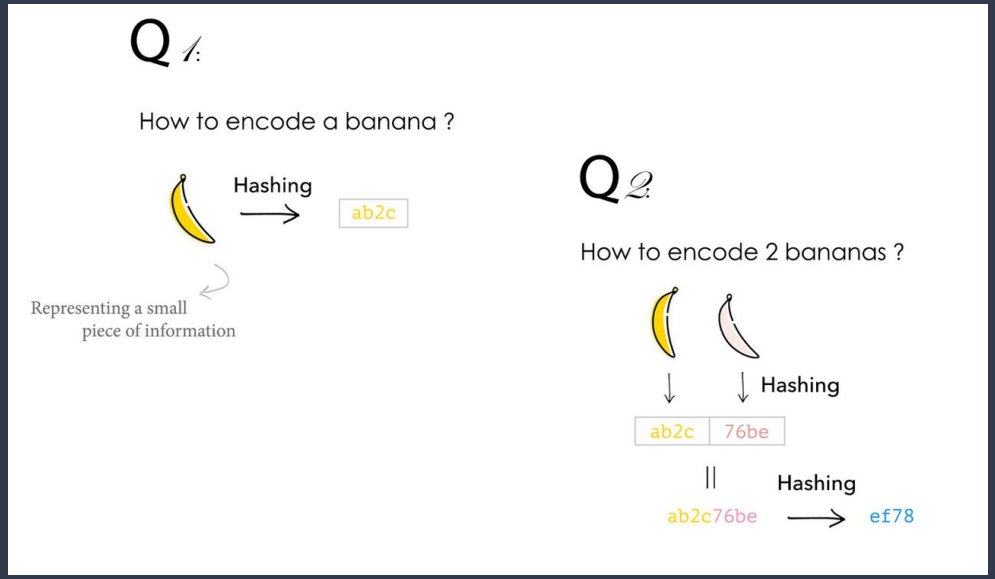
OMG... Satochi Nakamoto is here!

Blockchain

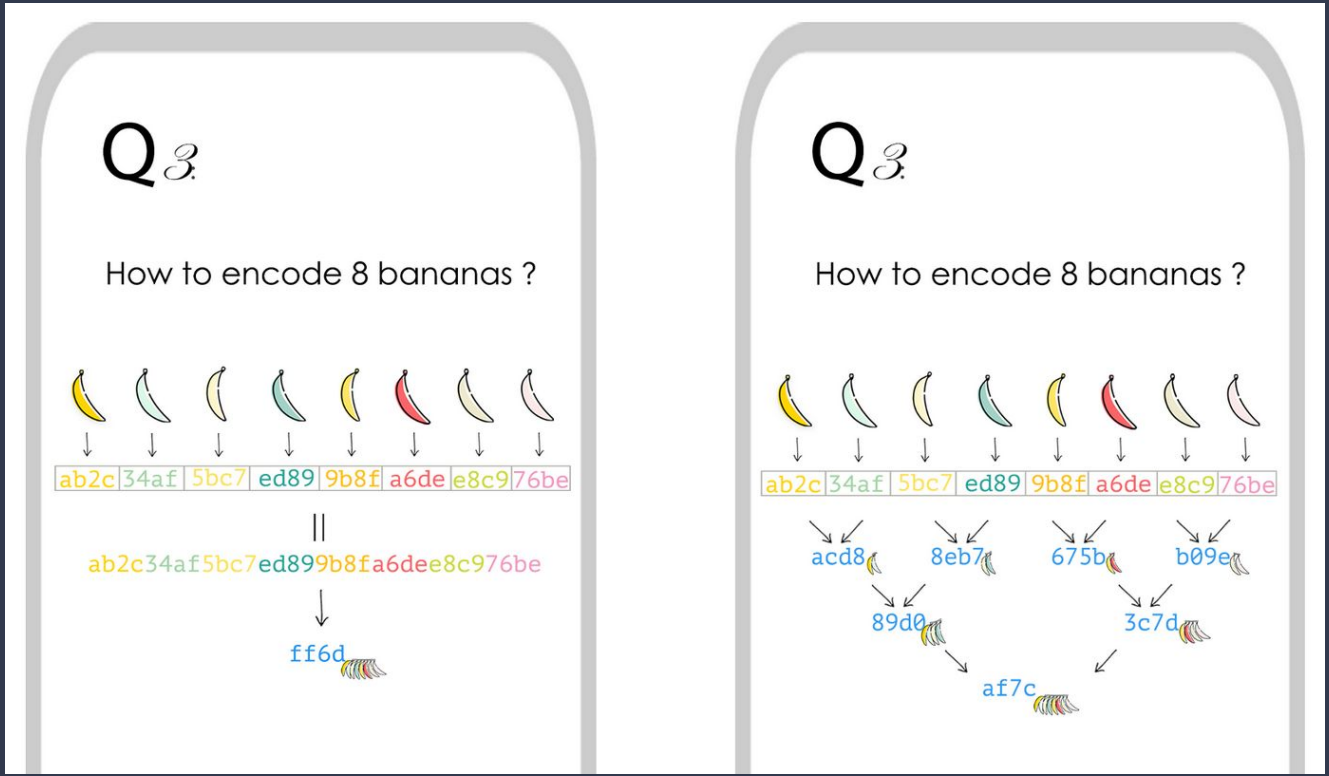
I. Distributed information (Distributed ledgers)
II. Multi-agent paradigm
III. Transparency
IV. Trust
V. Smart Contracts

Merkle tree

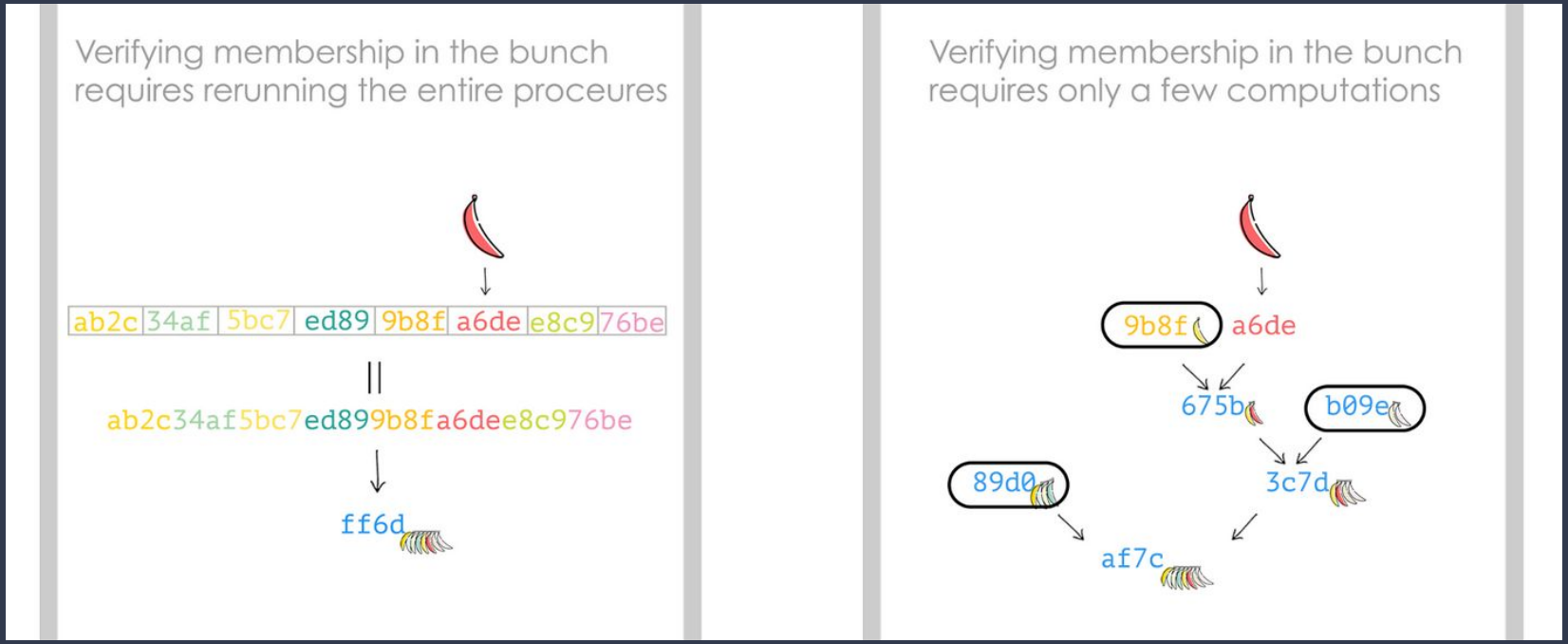
Allow us to map a large volume of data and easily identify where changes in the data occurs



Merkle tree

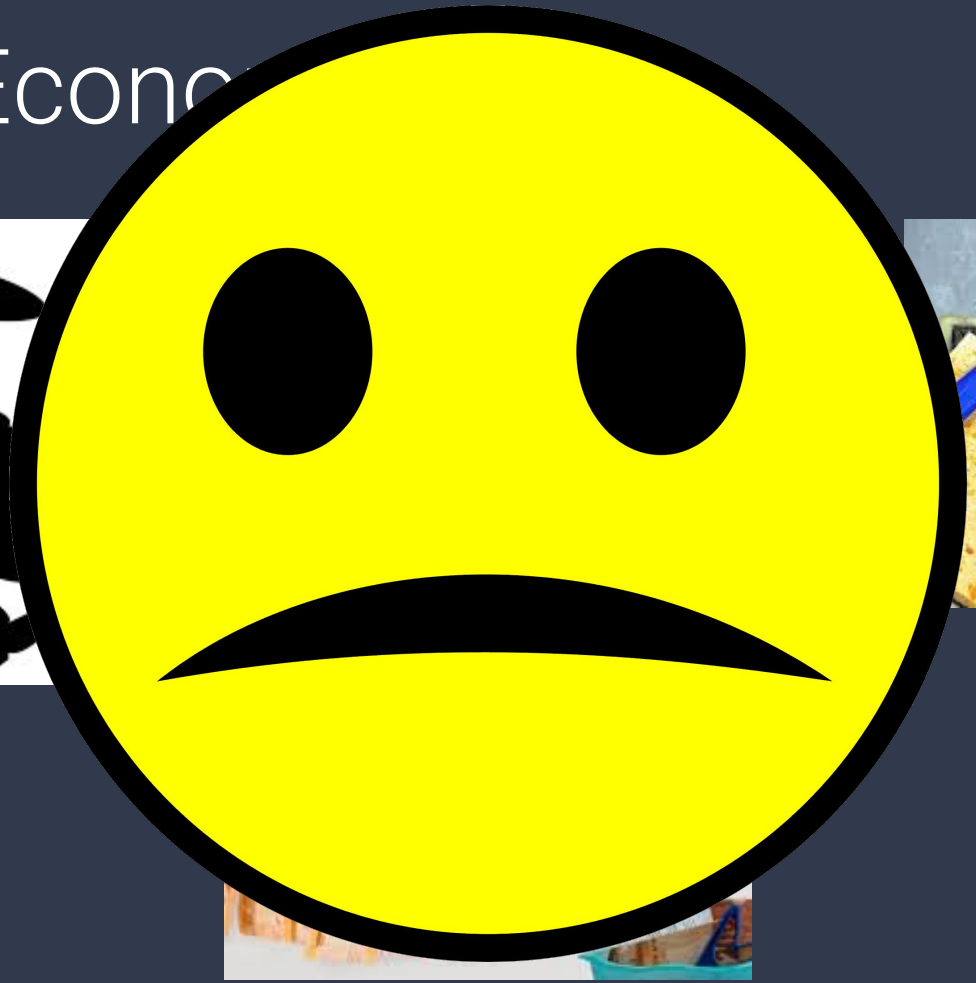

Q3.
How to encode 8 bananas ?
ab2c 34af 5bc7 ed89 9b8f a6de e8c9 76be
||
ab2c34af5bc7ed899b8fa6dee8c976be
ff6d
Q3.
How to encode 8 bananas ?
ab2c 34af 5bc7 ed89 9b8f a6de e8c9 76be
acd8
8eb7
675b
b09e
89d0
3c7d
af7c

Merkle tree


Verifying membership in the bunch requires rerunning the entire proceures
ab2c 34af 5bc7 ed89 9b8f a6de e8c9 76be
||
ab2c34af5bc7ed899b8fa6dee8c976be
ff6d
Verifying membership in the bunch requires only a few computations
9b8f
a6de
675b
b09e
89d0
3c7d
af7c

Smart Economy

Smart Econo



Smart Economy

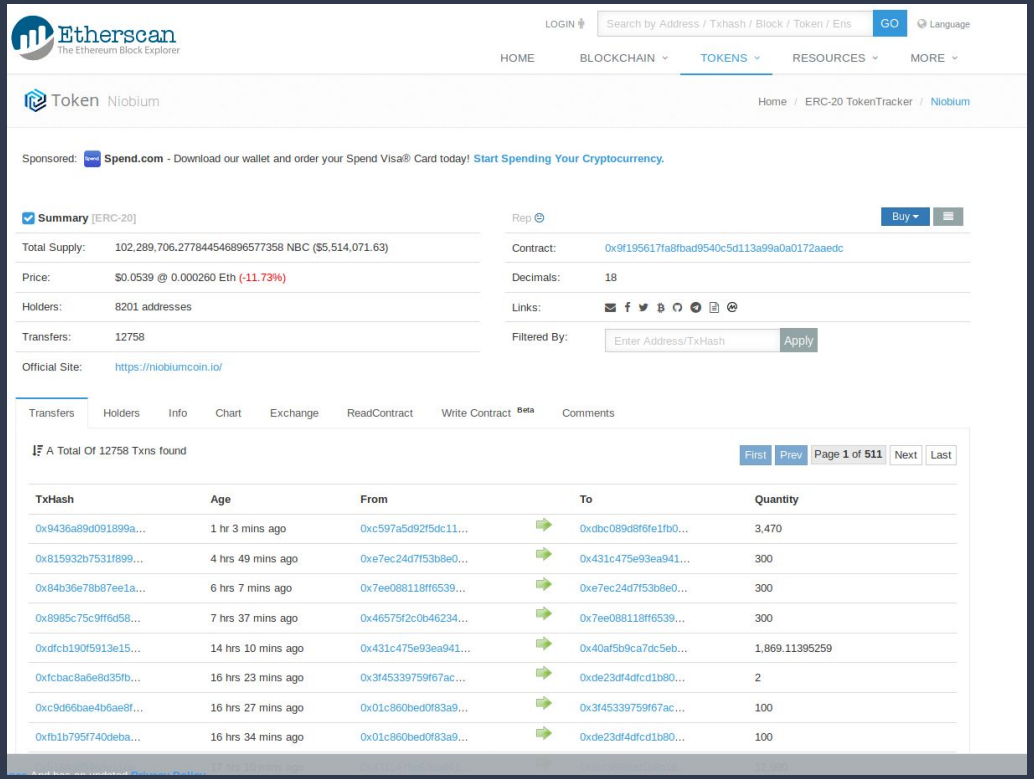
Smart Economy

Top 100 Cryptocurrencies by Market Capitalization

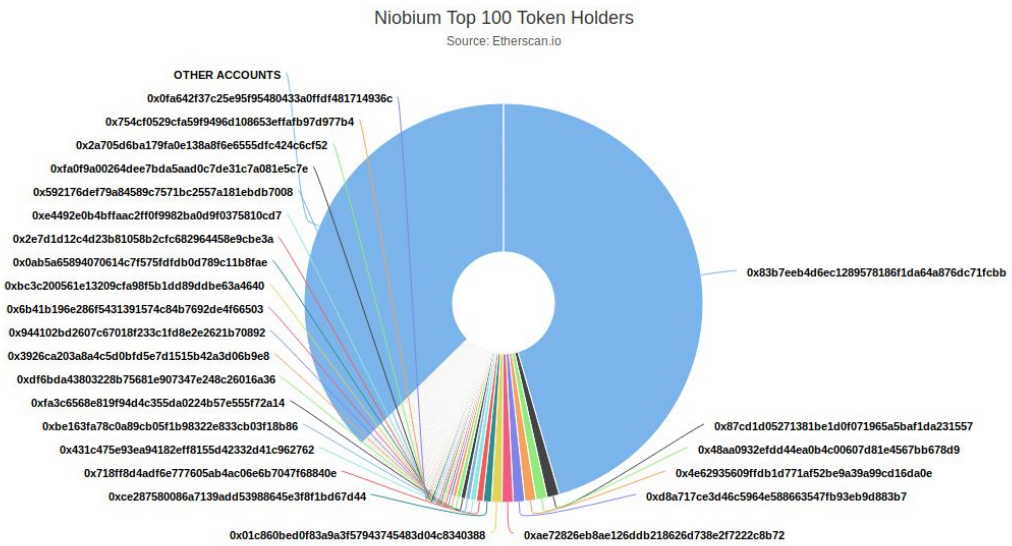
Cryptocurrencies ▾ | Exchanges ▾ | Watchlist | USD ▾ | Next 100 → | View All

#	Name	Market Cap	Price	Volume (24h)	Circulating Supply	Change (24h)	Price Graph (7d)
1	Bitcoin	$113,112,840,464	$6,528.18	$4,169,087,173	17,326,850 BTC	-1.18%	
2	Ethereum	$21,224,582,472	$206.81	$1,472,663,467	102,626,667 ETH	-1.65%	
3	XRP	$18,541,165,625	$0.463557	$601,358,081	39,997,634,397 XRP *	1.94%	
4	Bitcoin Cash	$7,790,434,245	$447.54	$298,849,949	17,407,163 BCH	-2.56%	
5	EOS	$4,872,662,011	$5.38	$394,756,048	906,245,118 EOS *	-0.96%	
6	Stellar	$4,485,978,309	$0.237464	$63,661,816	18,891,162,641 XLM *	5.89%	
7	Litecoin	$3,124,532,527	$53.17	$296,557,639	58,762,852 LTC	-3.35%	
8	Tether	$2,094,077,448	$0.971089	$2,590,223,181	2,156,421,736 USDT *	-0.70%	
9	Cardano	$1,962,193,998	$0.075681	$30,142,795	25,927,070,538 ADA *	0.25%	
10	Monero	$1,736,076,552	$105.24	$20,047,012	16,495,847 XMR	-1.12%	

Transparency



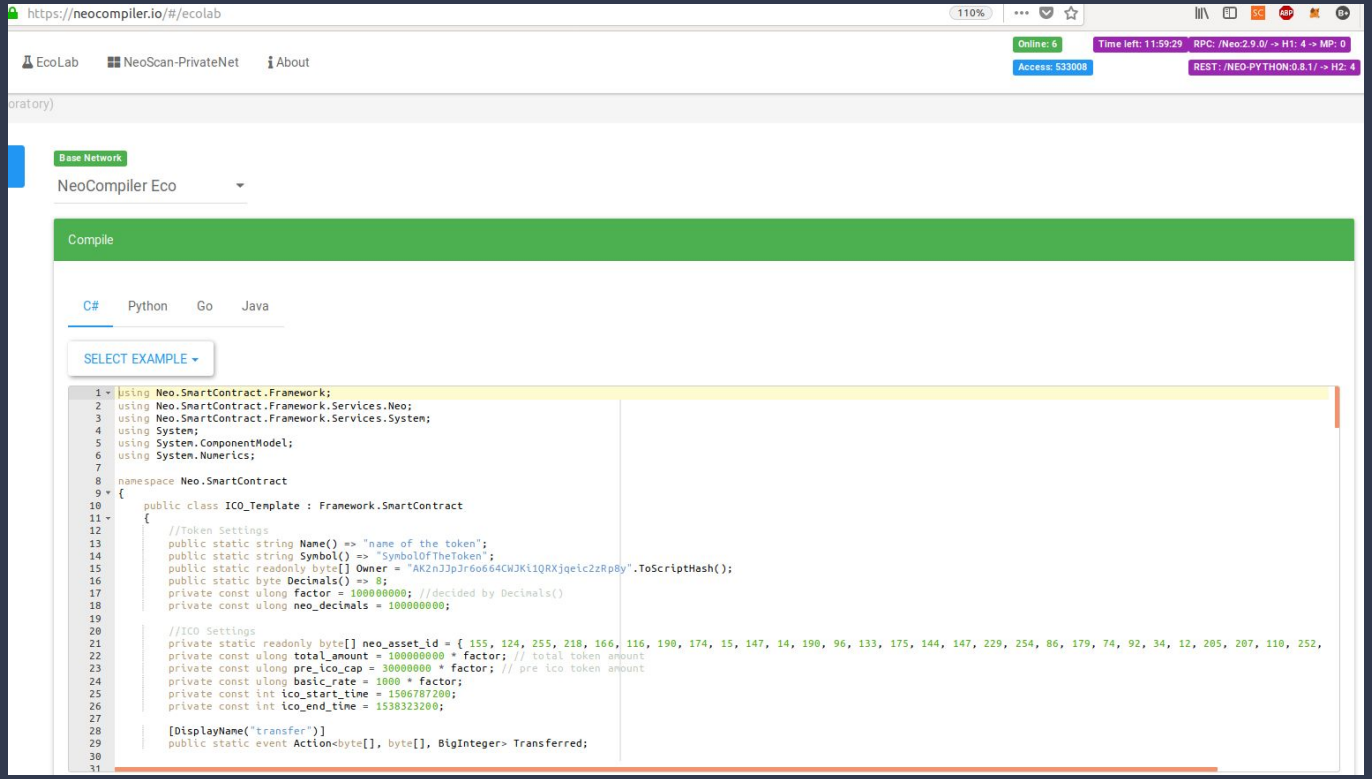
Transparency



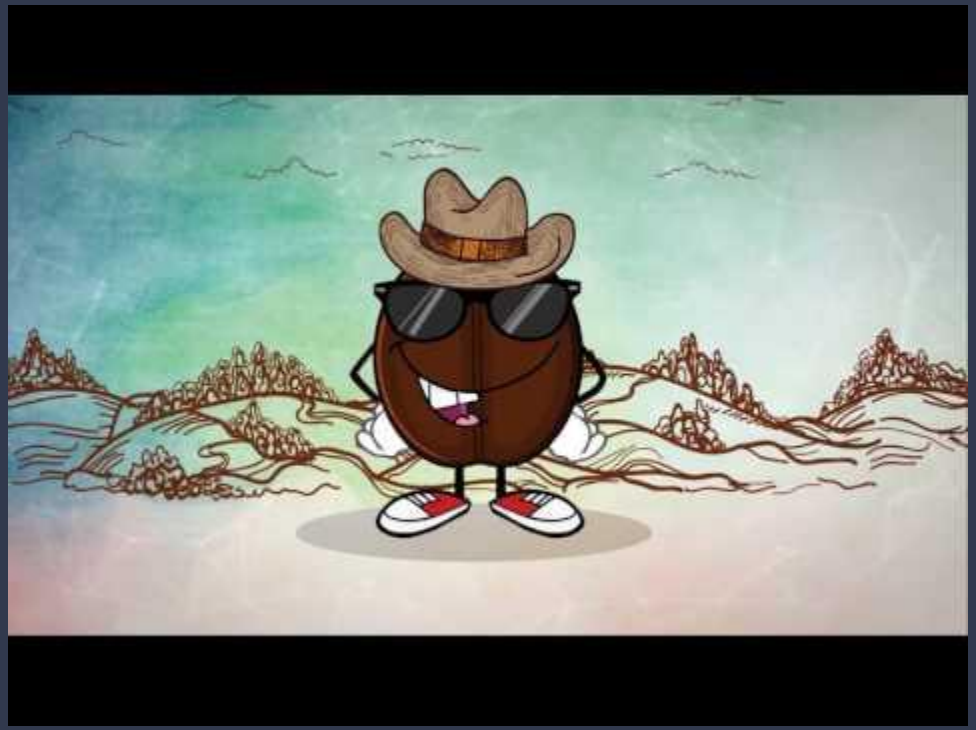
(A Total 64,030,058.06 Tokens Held By The Top 100 Accounts From The Total Supply Of 102,289,706.28 Token)

Rank	Address	Quantity (Token)	Percentage
1	0x83b7eeb4d6ec1289578186f1da64a876dc71fcbb	46548578	45.5066%
2	0x87cd1d05271381be1d0f071965a5baf1da231557	1000000	0.9776%

Rules throughout Smart Contracts



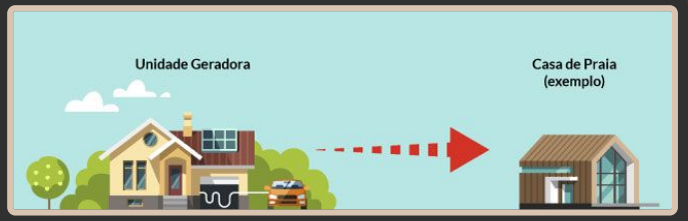
Examples I:Supply Chain - Coffee trip



Examples II: Distributed energy generation through mini/microgrid

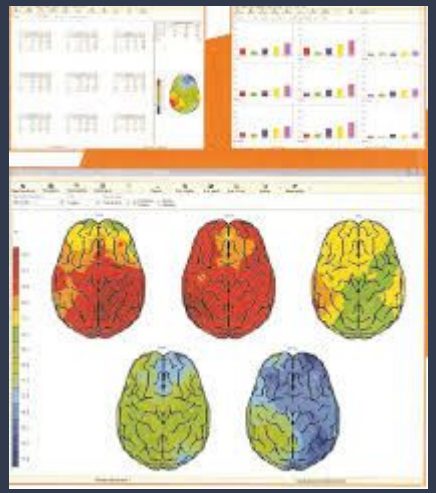
Tokens

Exchanges
Agreements



Multi-agent
connections

Examples III: Digital Identity



Examples IV: Registry/Notory's Office

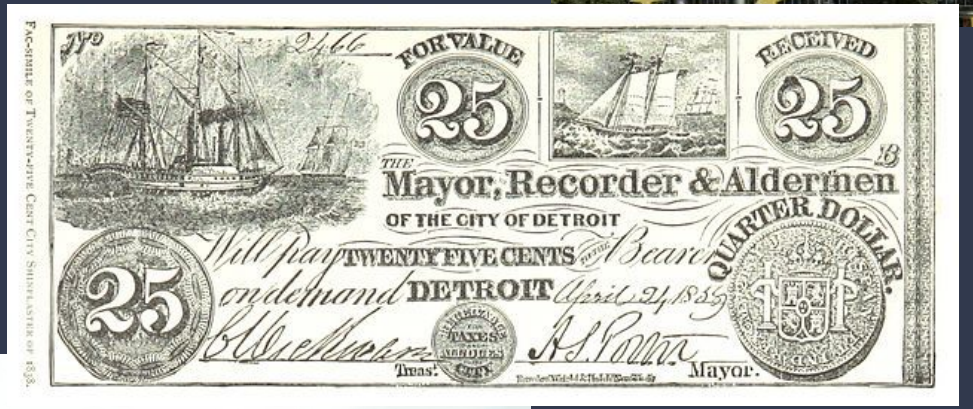
Examples V: Smart Guns

BLOCKSAFE™ ALLIANCE

Cities are shining

Cities are the core of society

Cities are where the money is..



Transparency for public profit

Digital/Trustable cities management

Transparency for public profit

My motto is: “if you are asking something is wrong”

Transparency for public profit

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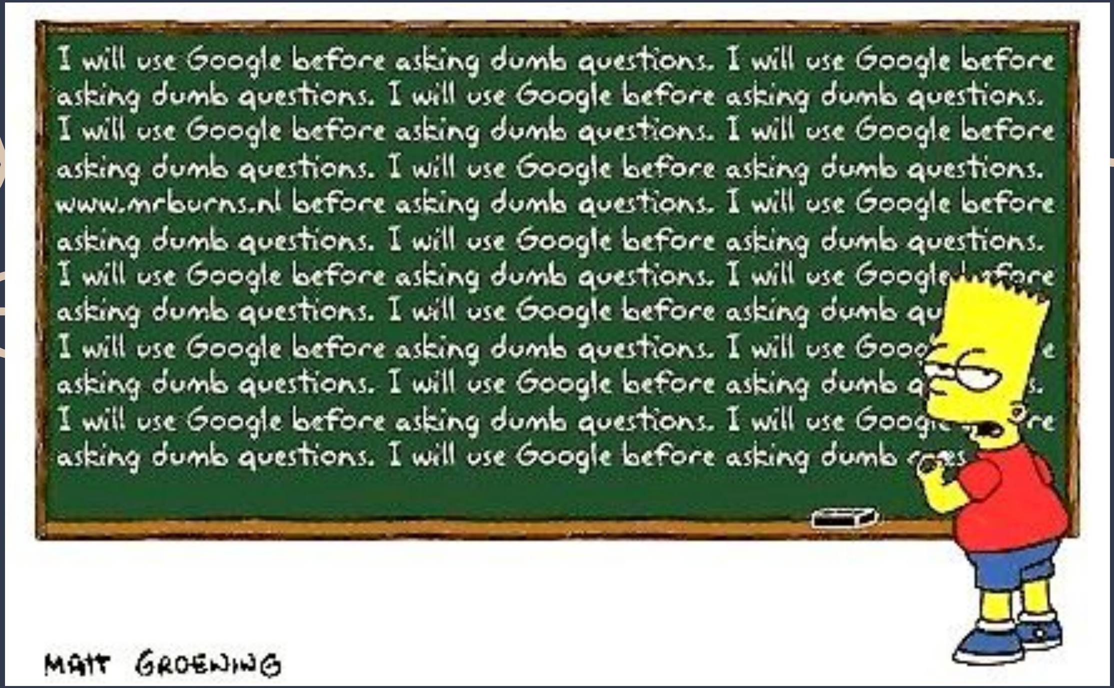
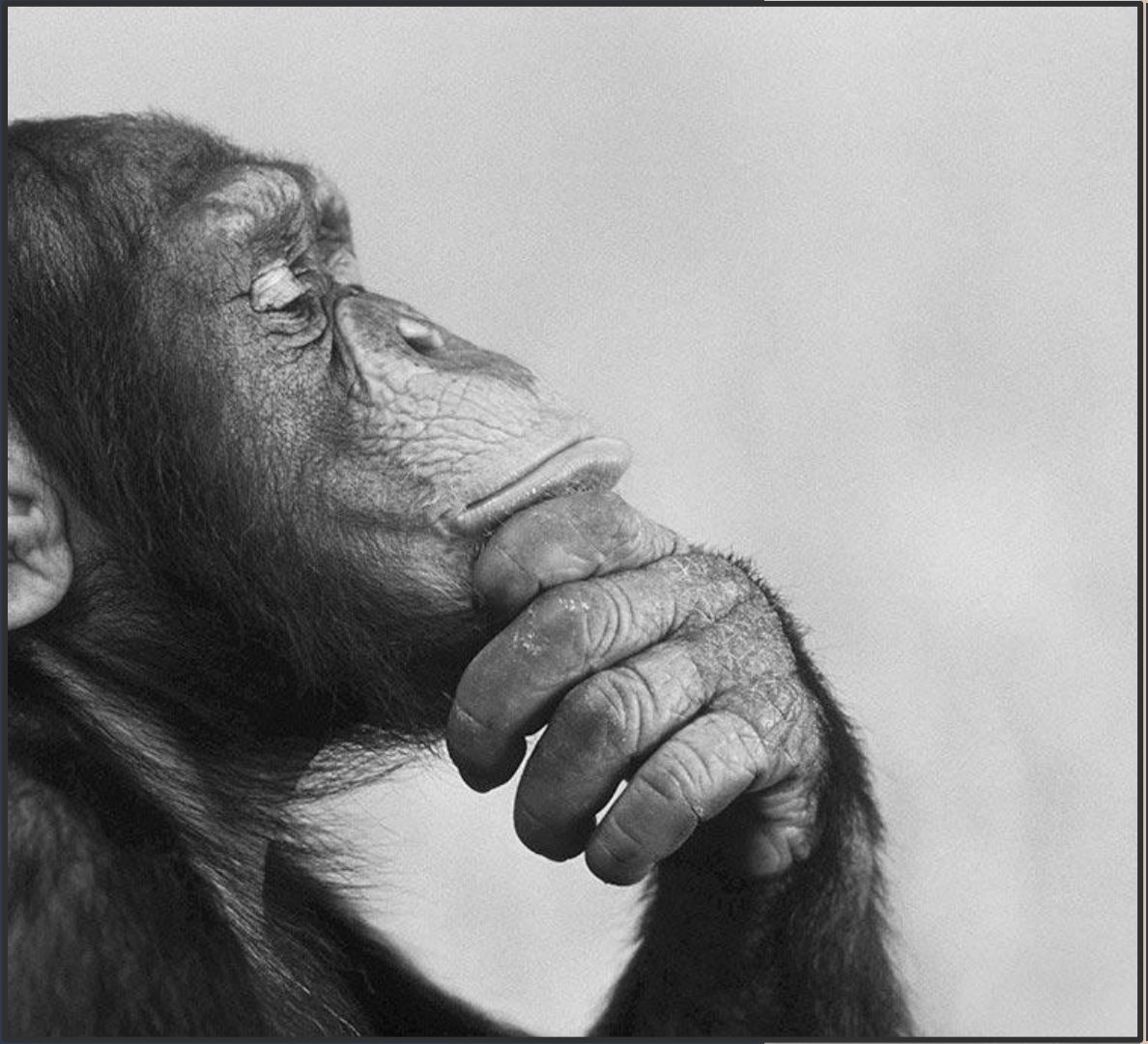


Transparency for public profit

I will use a Blockchain explorer before asking dumb questions. I will use a Blockchain .....

Nature deserves better



Where are we going next?

I. World urges for trust
II. Distributed solutions are entering by the edges
III. CI showing up as something intrinsic in humans daily life
IV. Services should be more efficient
V. “Life quality”

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