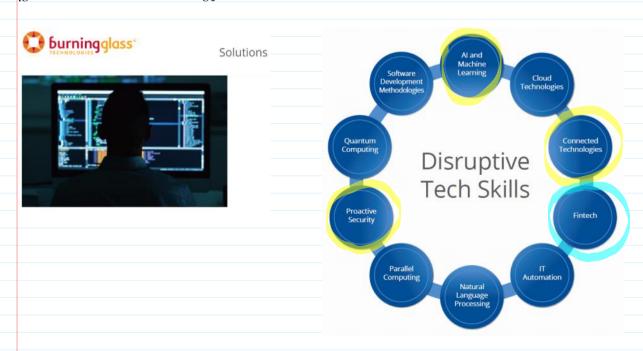




Skills of Mass Disruption Tecnologies Įgūdžiai Masinio Proveržio Technologijose



Fintech: Skills related to technologies such as blockchain and others aimed

at making financial transactions more efficient and secure.

Table 1: Job Openings and Growth by Disruptive Skill Area

Skill Area	Total Job Openings (Last 12 Months)	Projected 5-Year Demand Growth
Software Dev Methodologies	634,660	35%
Cloud Technologies	462,963	28%
Proactive Security	373,123	39%
IT Automation	282,380	59%
Al and Machine Learning	197,810	71%
Connected Technologies	68,313	104%
NLP	36,941	41%
Fintech	35,667	96%
Parallel Computing	11,056	17%
Quantum Computing	2,718	135%

Table 3: Average Salary Premium by Disruptive Skill Area

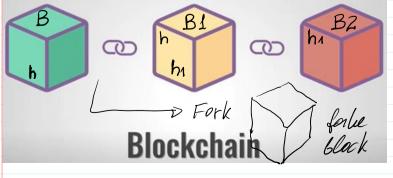
Skill Area	Average Salary Premium	
IT Automation	\$24,969	
Al and Machine Learning	\$14,175	
Fintech	\$13,799	
Software Dev Methodologies	\$13,762	
Connected Technologies	\$10,873	
Cloud Technologies	\$10,588	
Proactive Security	\$8,851	
Parallel Computing	\$7,797	
NLP	\$6,368	
Quantum Computing	\$4,204	

Students and Job Seekers.

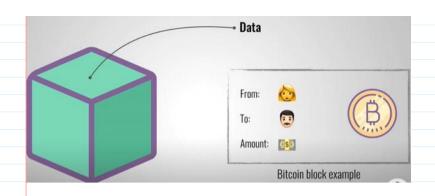
Identify and Learn High-Value Disruptive Skills.

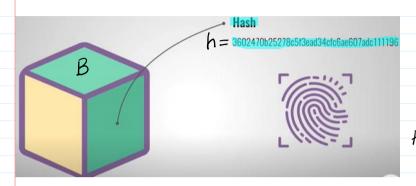
The disruptive tech skills are growing rapidly and can lead to significant salary boosts.

Individuals who identify and develop these future-ready skills – and continuously update their skill sets as new needs emerge – will be best-positioned to enhance their career prospects, both in tech and beyond.

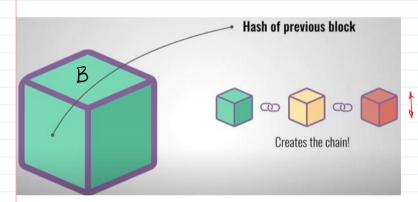


51% of network computing power pake chain





$$H(B) = h$$
; $|h| = 256$ bit
 $|B| \sim 16B$
Finger print
 H -function; Message digest



$$h \sim 2^{256}$$
 $1K = 2^{10} = 1024$
 $1M = 2^{20}$
 $16 = 2^{30}$
 $1T = 2^{40}$
 1024



Pow-Proof-of-Work - Mining
Susenting (reward)

2. To advice the consensus of block validation in the net.

1. To define a rules of black

BitcoinBy "Satoshi Nakamoto"



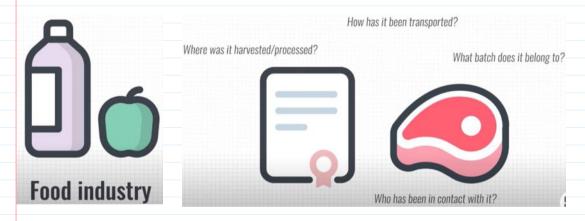
Bitcoin

By "Satoshi Nakamoto"

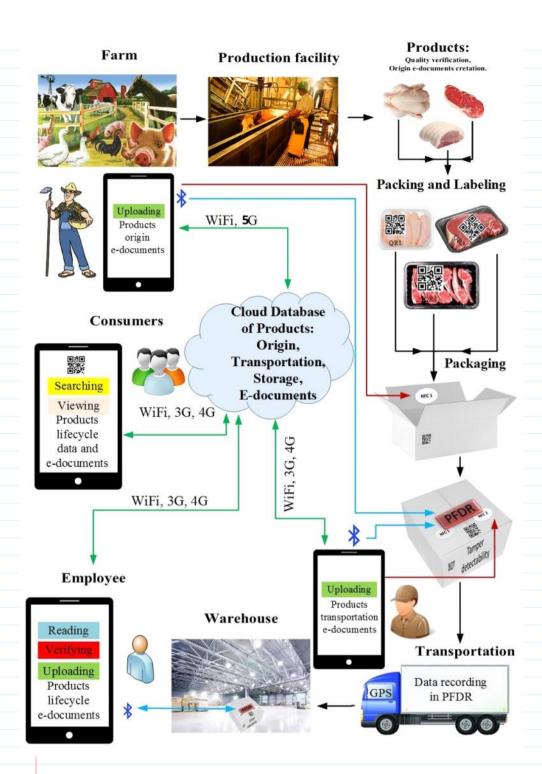


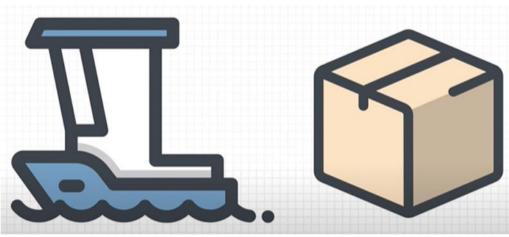
15at = 10⁸ BTC 1BTC = 100 000 000 Sat





H2020





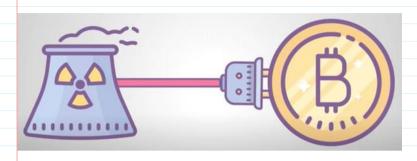
Containers: **IBM** and containers shipping giant **Maersk Group**. **Maersk Group** is No 1 in the top 10 transport companies.







E-notary



POW-Proof of Work



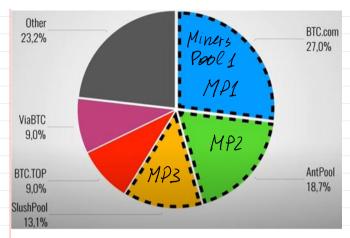
Electric energy consumption kWh 1 kWh ~ 0.13 EUT. 54 TWh = 54.109 LWh 1 TWh = 10 12 Wh



Application Specific Intrgrated Circuits -ASIC --> mining Farm is using a huge el. power [W] - watt In I hosehold EP~5kW During I hour Energy = 5 kWh

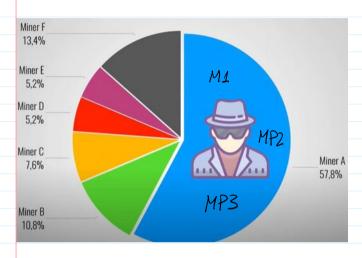
0,65 €

To charge e-vedrile 20-50 kW Farm can consume a 500 kW - (1 MW During I how you'll consume Energy = IMWh = 1000 kWh 1000 kWh × 0,13 € = 130 €



51% Attack

Computation power of mining related to the speed of h-values computation $V_h \sim T + lash/sec$ E.g. $V_h = 1000 T + lash/sec$ Total network is has $V_h = 1900 T + l/s$



> 51% Network power

1000 TH/S is mare then 51%

1900 TH/S

51% Attack





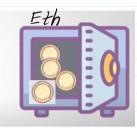


Ethereum 1Eth ~ 2300 \$

The name of cryptocurrency in Ethereum blockchain is named as Ether - Eth







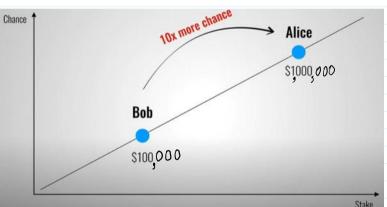
Eth - 32 Eth put into the

shell to make a

right to mine a block

The difficulty of Validat. is low -

- the speed of validation is increased.

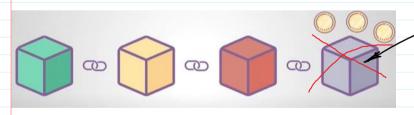


1 Wei = 10⁻¹⁸ Eth

1 Eth = 1000 000 000 000 000 000 Wei

To mine a block consisting of a lot of transactions—

- every transaction has declared a reward in Gas for its validat.



Mistorken validated Clock
Intentionally Non-Intentionally



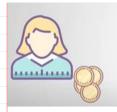








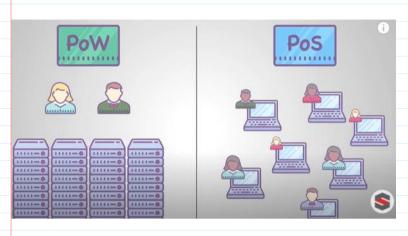
To empty your deposit after some time.







To empty your deposit after some time.



Ethereum 2.0 32 Eth; 1Eth~140\$

Ethereum, Libra, ... etc.

