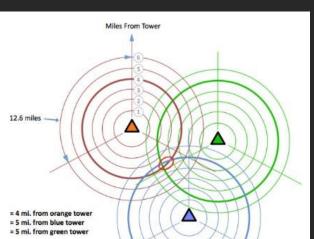


Robo-Advisors instrumentos financieros inteligentes

Andrés Felipe Umaña Chaux

Director de Asuntos Legales, Externos y Corporativos





CATBERT: EVIL DIRECTOR OF HUMAN RESOURCES

100% OF YOUR EMAIL MESSAGES THIS MONTH INVOLVED LINKS TO FUNNY VIDEOS.





THE COMPANY IS VIOLATING MY RIGHT TO PRIVACY! THIS IS AN OUTRAGE!



ACTUALLY, I WAS JUST GUESSING.







RFID















1.7 megas por segundo

146 Gigas en un día



Correlaciones ———— Predicciones

Big Data

Aprendizaje de máquinas

Big Data

Inteligencia Artificial

Aprendizaje de máquinas

Big Data

Inteligencia artificial





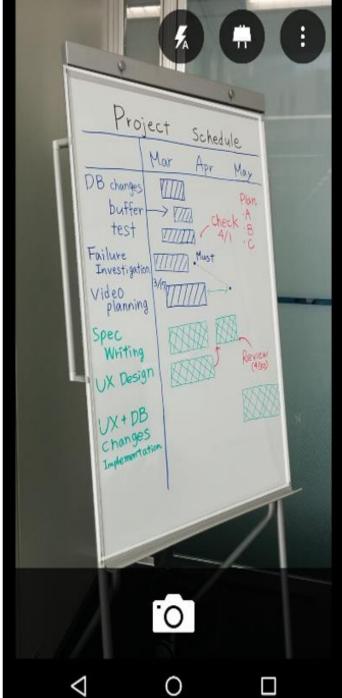


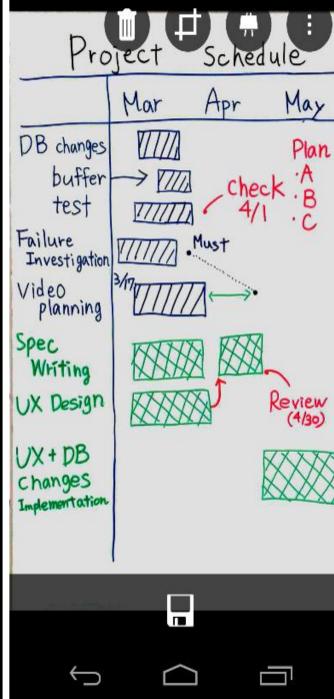






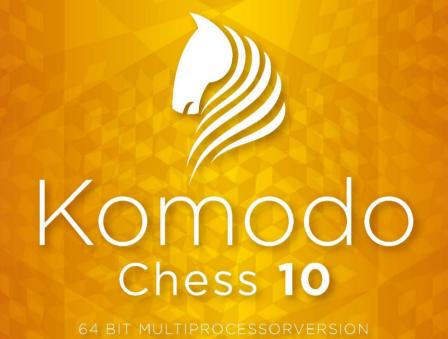


























Redes distribuidas





















Hogarú







Contratos electrónicos



Contratos procesables electrónicamente

Contratos electrónicos



Ad feedback <

kindle

The best devices for reading, period.



kindle \$7999



kindle paperwhite \$11999



kindlevoyage \$19999

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VIDEO

INCLUDED WITH PRIME Top movies & TV shows







MUSIC

AMAZON MUSIC UNLIMITED Stream any song, anywhere



MEET ALEXA

VOICE CONTROL YOUR Echo & Alexa Devices





Contratos computables

Contratos procesables electrónicamente

Contratos electrónicos

Contratos inteligentes

Contratos computables

Contratos procesables electrónicamente

Contratos electrónicos

Autocumplible

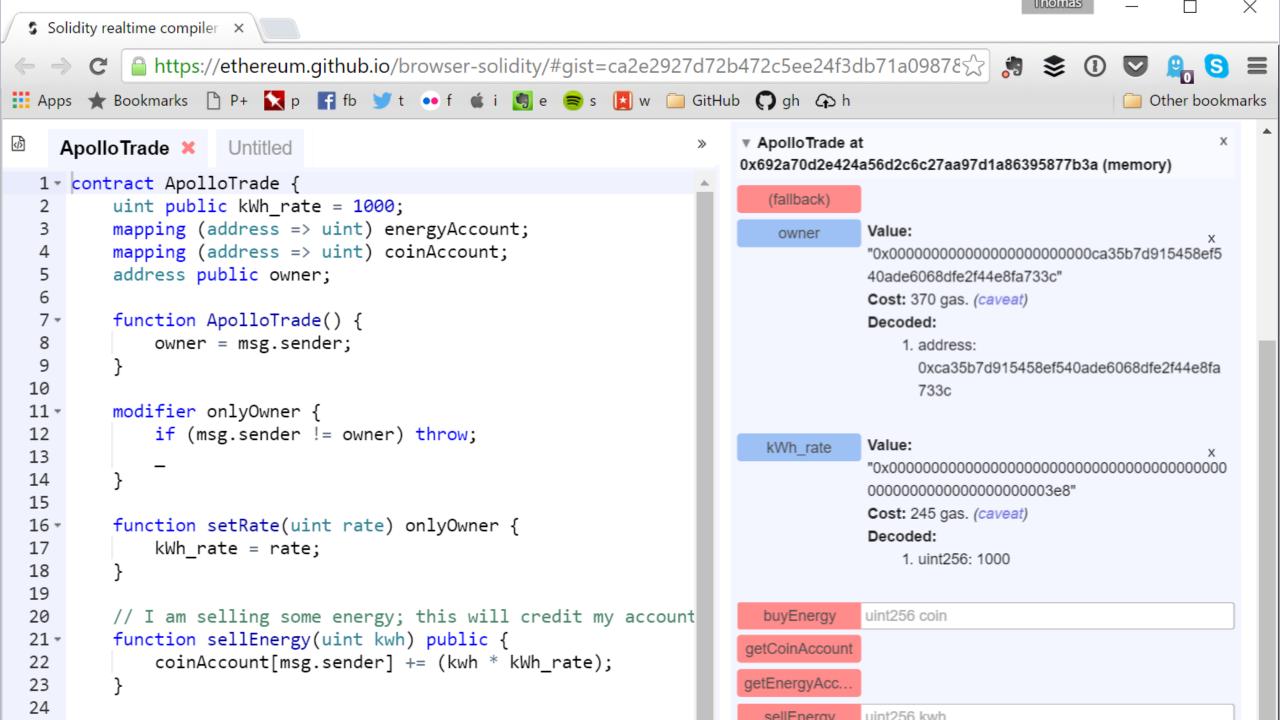
Contrato inteligente

Autoejecutable

















Autocumplible

Contrato inteligente

→ Autoejecutable

Utiliza una base de datos distribuida

TOTAL RETURN SWAP

LOGIN





Click to browse or Drag uPort-wallet-id file here.

uPort Password:

This password decrypts your uPort wallet file.

B



WELCOME NIGEL



uPort Public Address

0x58415ffcb3a993cc3c702af21b3cb356237caccb



Normalized Oracle
Reputation

94/SD





CONTRACT TERMS

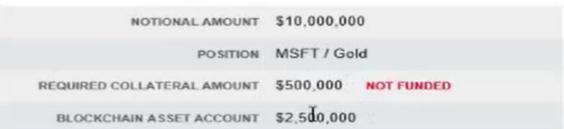
Please enter TRS terms below

Counterparty B	Enter address VERIFY COUNTERPARTY	I	
Notional Amount (USD) \$	e.g. 10,000,000		
Underlying Asset Long		Underlying Asset Short	
SPOT PRICE ORACLE		SPOT PRICE ORACLE	
Counterparty B Collateral %		*	
Counterparty B Blockchain Asset Account			
Collateral %		*	

TOTAL RETURN SWAP SMART CONTRACT

The counterparties agree to the following:







POSITION Gold / MSFT

REQUIRED COLLATERAL AMOUNT \$1,200,000 NOT FUNDED

BLOCKCHAIN ASSET ACCOUNT \$3,000,000

SPOT PRICE

MSFT: 53.58

Gold: 1067.62

SWAP TERM

4 minutes

NEXT STEPS:



TOTAL RETURN SWAP



SWAP IN PROGRESS

Smart Contract ID: 0x8ab2cee77f24cd85388ea663fd2b1fde74344ee2

TIME REMAINING: 3:40

MSFT PRICE	% CHANGE	GOLD PRICE	% CHANGE	RETURN DIFFERENCE
\$ 52.36	-2.131 %	\$ 1072.10	0.321 %	-2.452 %

NOTIONAL AMMOUNT	RETURN DIFFERENCE	CURRENT SWAP VALUE
\$ 10,000,000	-2.452 %	\$ -245,200.00



NOTIONAL AMMOUNT	\$10,000,000
POSITION	MSFT / Gold
REQUIRED COLLATERAL AMMOUNT	\$745,200
BLOCKCHAIN ASSET ACCOUNT	\$1,754,800





NOTIONAL AMMOUNT	\$10,000,000
POSITION	Gold / MSFT
REQUIRED COLLATERAL AMMOUNT	\$1,445,200
BLOCKCHAIN ASSET ACCOUNT	\$1,554,800

Reputation 79/FEU



NOTIONAL AMMOUNT \$10,000,000

POSITION MSFT / Gold

REQUIRED COLLATERAL AMMOUNT \$853,700

BLOCKCHAIN ASSET ACCOUNT \$1,646,300

Normalized Oracle

Reputation

94/SD



NOTIONAL AMMOUNT \$10,000,000

POSITION Gold / MSFT

REQUIRED COLLATERAL AMMOUNT \$2,053,700

BLOCKCHAIN ASSET ACCOUNT \$946,300

Normalized Oracle

Reputation

74/FEU

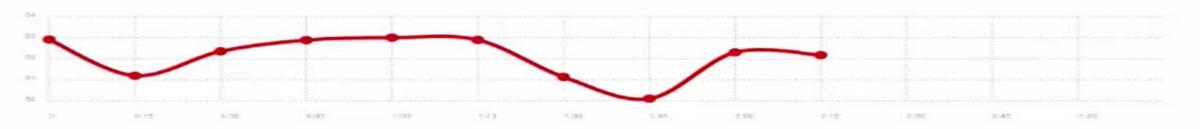
Δ.

REPUTATION DOWNGRADED

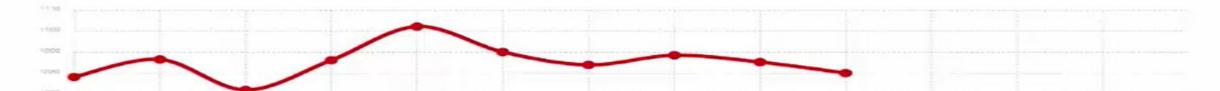
COLLATERAL REBALANCING EVENT

FUNDS TAKEN FROM BLOCKCHAIN ASSET ACCOUNT

MSFT



Gold



TOTAL RETURN SWAP





SWAP SETTLEMENT

FINAL OUTCOME



NOTIONAL \$10,000,000

Reputation Score

94/SD

MSFT / Gold

+ \$94,400.00



NOTIONAL \$10,000,000

Reputation Score

74/FEU

Gold / MSFT

- \$94,400.00

FINAL RETURN DIFFERENCE 0.944 %

COLLATERAL ACCOUNTS RELEASED





"We are the self-driving cars of the financial services"



Jon Stein
CEO Betterment





















Hi, I'm Alex, and I'll be guiding you today.

I'll ask a few short questions, and then tell you how we can help you maximize your money.

Continue

Betterment Guide to Betterment

Let's get started. Are you retired?

Yes

No

Continue

<

What's your primary reason for investing?

- Saving for retirement
- General investing
- Saving for an emergency fund
- Saving for a major purchase

Continue

Do you have debt?

We recommend paying off high-interest debt before investing.

Learn more

What's your primary reason for investing?



- Saving for retirement
- General investing
- Saving for an emergency fund
- Saving for a major purchase



When analyzing returns, most people don't take taxes and fees into account. We focus on returns net of fees and taxes to help you maximize your money.

Continue

Do you have debt?

We recommend paying off high-interest debt before investing. Learn more

Los retos

¿Naturaleza jurídica?

Transparencia







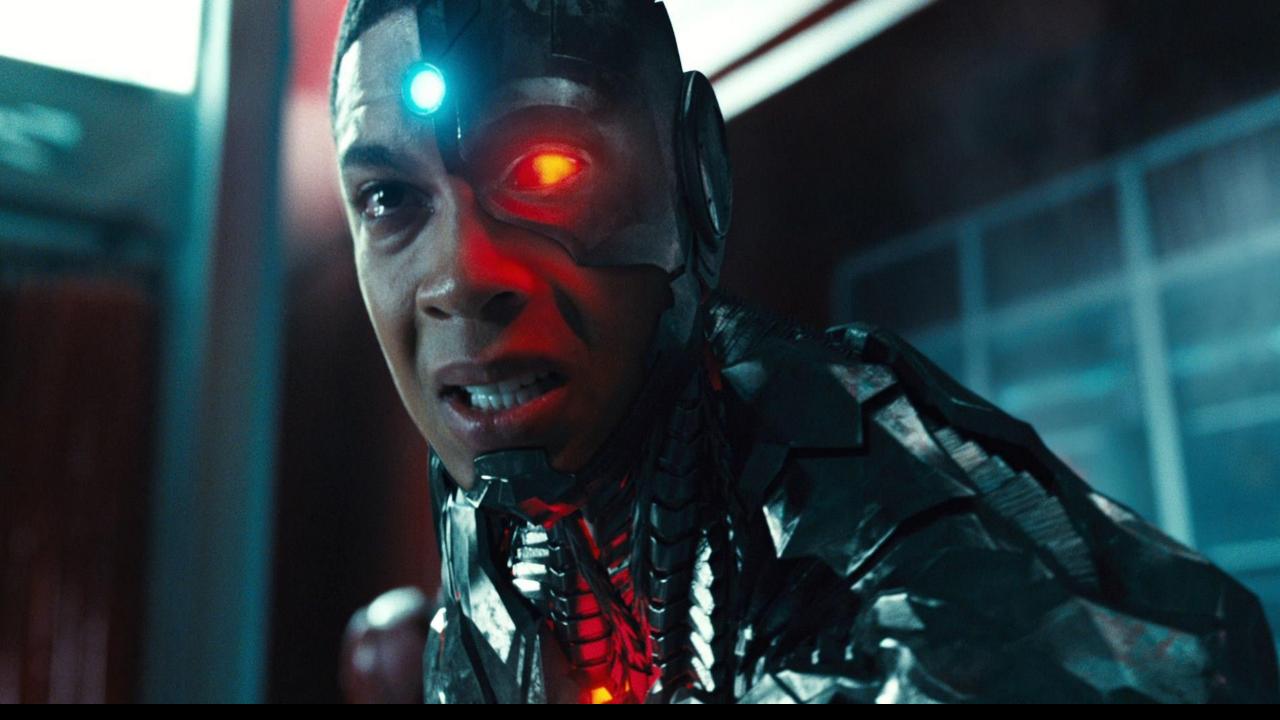
Un algoritmo está siendo usado

Descripción de los supuestos y limitaciones del algoritmo

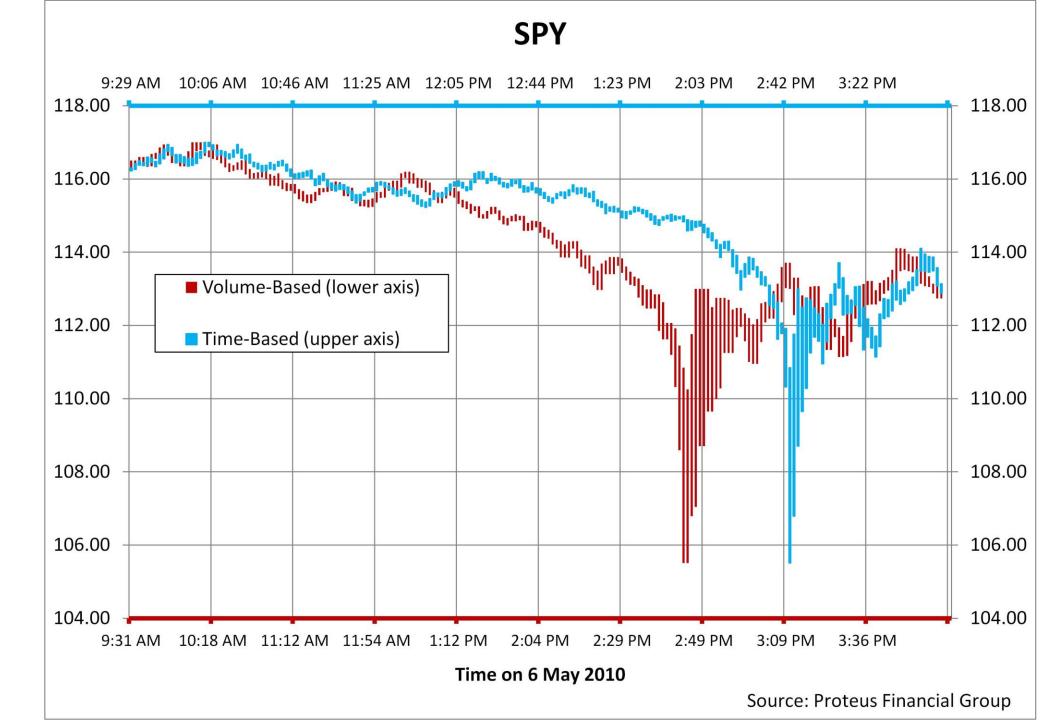
Nivel de involucramiento humano







El control y la responsabilidad

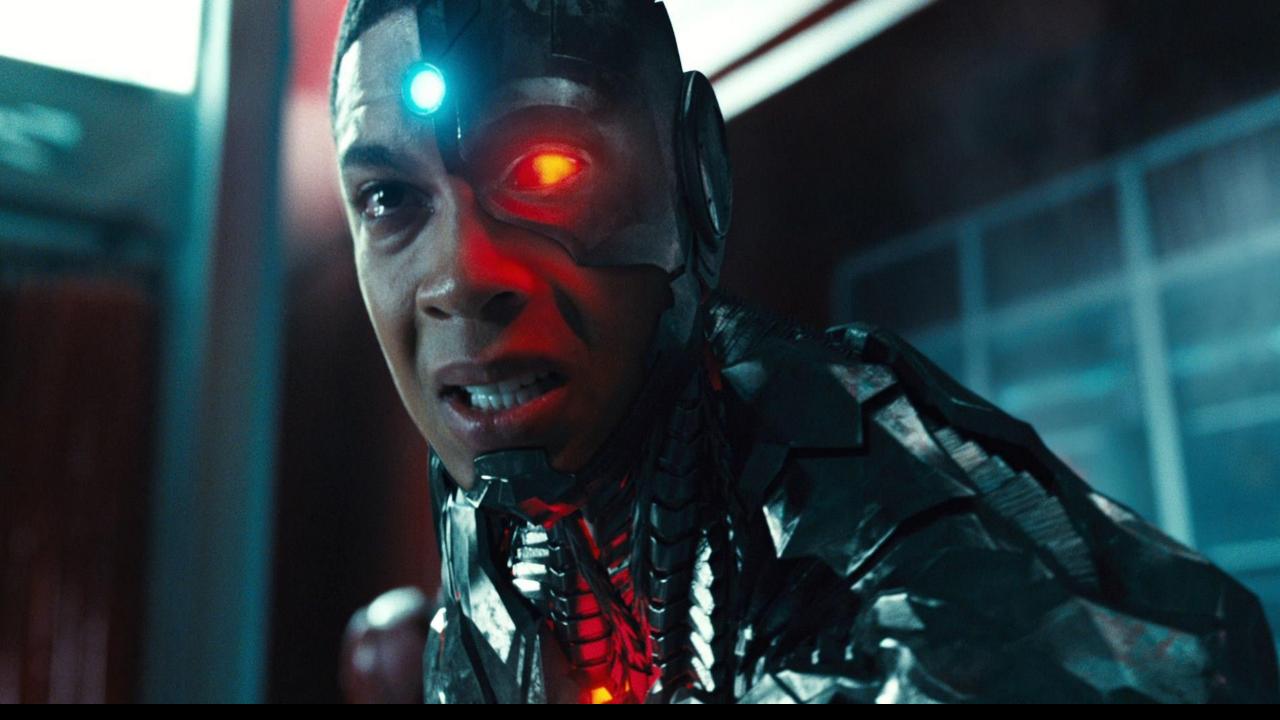


Knight

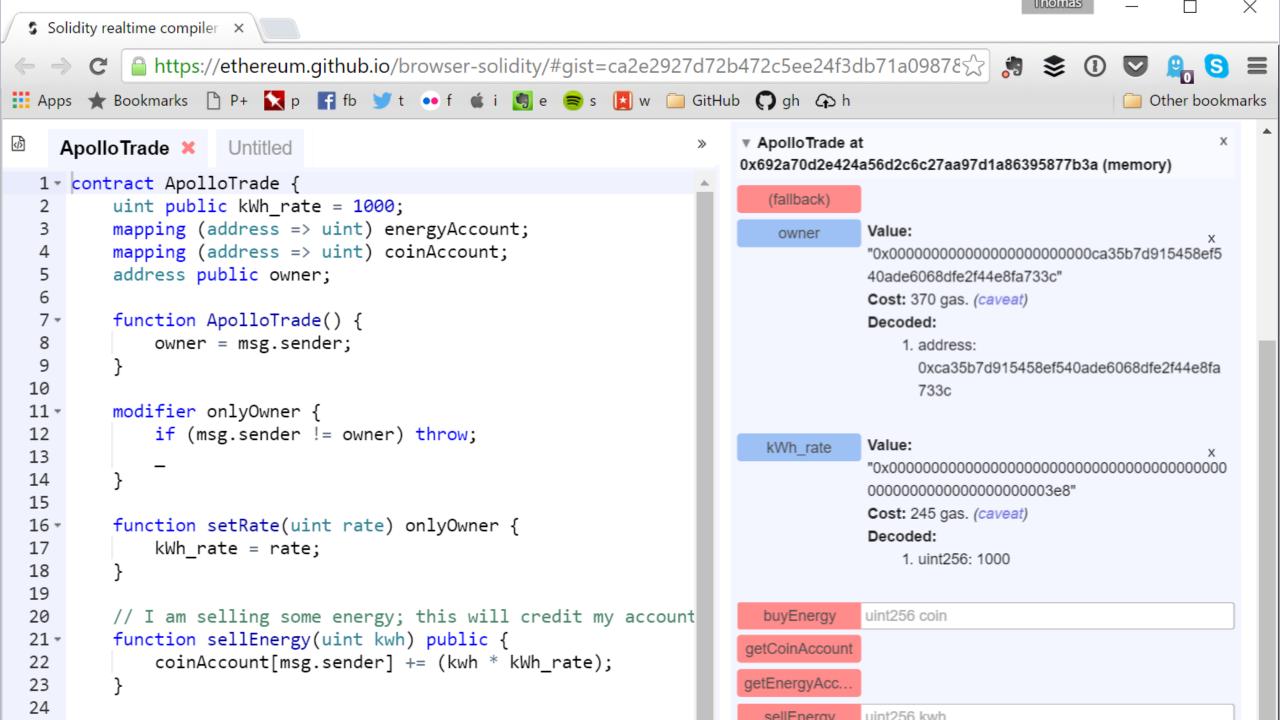
¿Hacia una hermenéutica booleana?

¿Hacia una hermenéutica booleana?

<El tipo de dato lógico o booleano es en computación aquel que puede representar valores de lógica binaria, esto es 2 valores, valores que normalmente representan falso o verdadero>



La efectividad judicial





Apple

VS

FBI

¿Cuál es el rol de los abogados?



JPMorgan Software Does in Seconds What Took Lawyers 360,000 Hours

By Hugh Son

February 27, 2017, 7:31 PM GMT-5 Updated on February 28, 2017, 7:24 AM GMT-5

- New software does in seconds what took staff 360,000 hours
- Bank seeking to streamline systems, avoid redundancies



THE DAO IS CODE.

GET DAO TOKENS

Digital currency Ethereum is cratering because of a \$50 million hack

TWITTER



LINKEDIN



- Want to speak a new language in just 15 hours...

 (Babbel)
- 5 Countries That May Give Free Housing To Ne...

 (Women's Article)
- The Device That Puts an End to Snoring (My Snoring Solution)

EMAIL

 \square

Sponsored Links

PRINT

The value of the digital currency Ethereum has dropped dramatically amid an apparent huge attack targeting an organisation with huge holdings of the currency.

FACEBOOK

The price per unit dropped to \$15 from record highs of \$21.50 in hours, with millions of units of the digital currency worth as much as \$50 million stolen at post-theft valuations.



- 1.==== BEGIN SIGNED MESSAGE =====
- 2.To the DAO and the Ethereum community,
- 4.I have carefully examined the code of The DAO and decided to participate after finding the feature where splitting is rewarded with additional ether. I have made use of this feature and have rightfully claimed 3,641,694 ether, and would like to thank the DAO for this reward. It is my understanding that the DAO code contains this feature to promote decentralization and encourage the creation of "child DAOs".

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understanding that the DAO code contains this feature to promote decentralization and encourage the creation of "child DAOs".

I am disappointed by those who are characterizing the use of this intentional feature as "theft".

I am making use of this explicitly coded feature as per the smart contract terms and my law firm has advised me that my action is fully compliant with United States criminal and tort law. For reference please review the terms of the DAO:

"The terms of The DAO Creation are set forth in the smart contract code existing on the Ethereum blockchain at 0xbb9bc244d798123fde783fcc1c72d3bb8c189413. Nothing in this explanation of terms or in any other document or communication may modify or add any additional obligations or guarantees beyond those set forth in The DAO's code. Any and all explanatory terms or descriptions are merely offered for educational purposes and do not supercede or modify the express terms of The DAO's code set forth on the blockchain; to the extent you believe there to be any conflict or discrepancy between the descriptions offered here and the functionality of The DAO's code at 0xbb9bc244d798123fde783fcc1c72d3bb8c189413, The DAO's code controls and sets forth all terms of The DAO Creation."

16. Yours truly,

17. "The Attacker"

18. ===== END SIGNED MESSAGE =====

