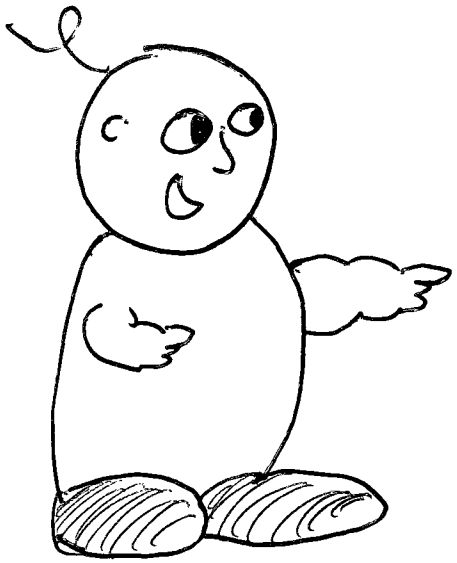
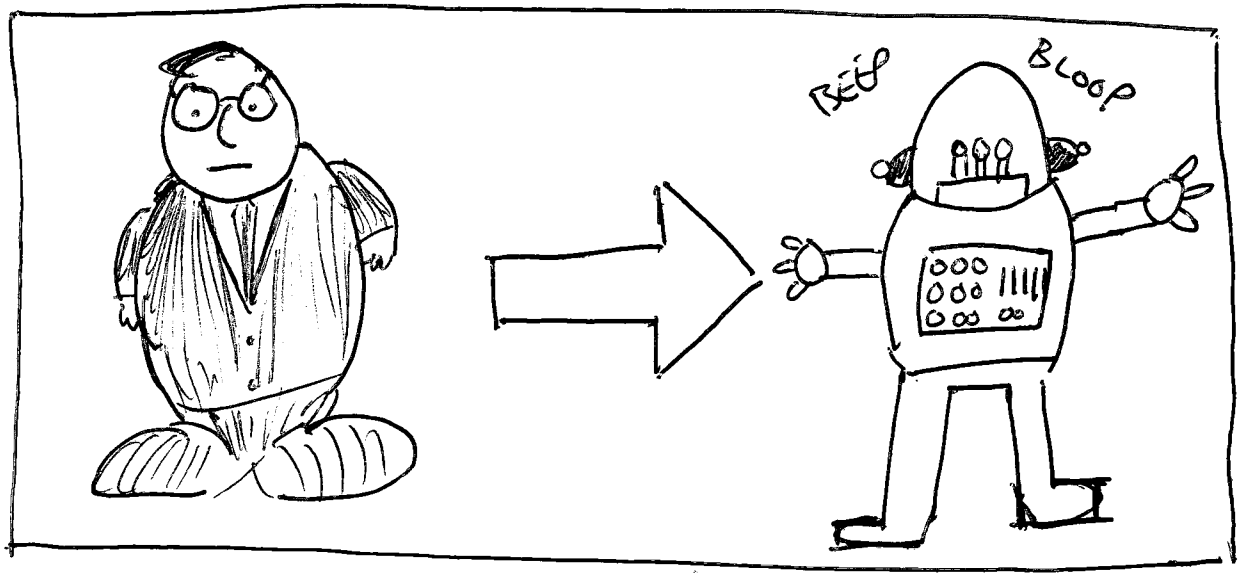
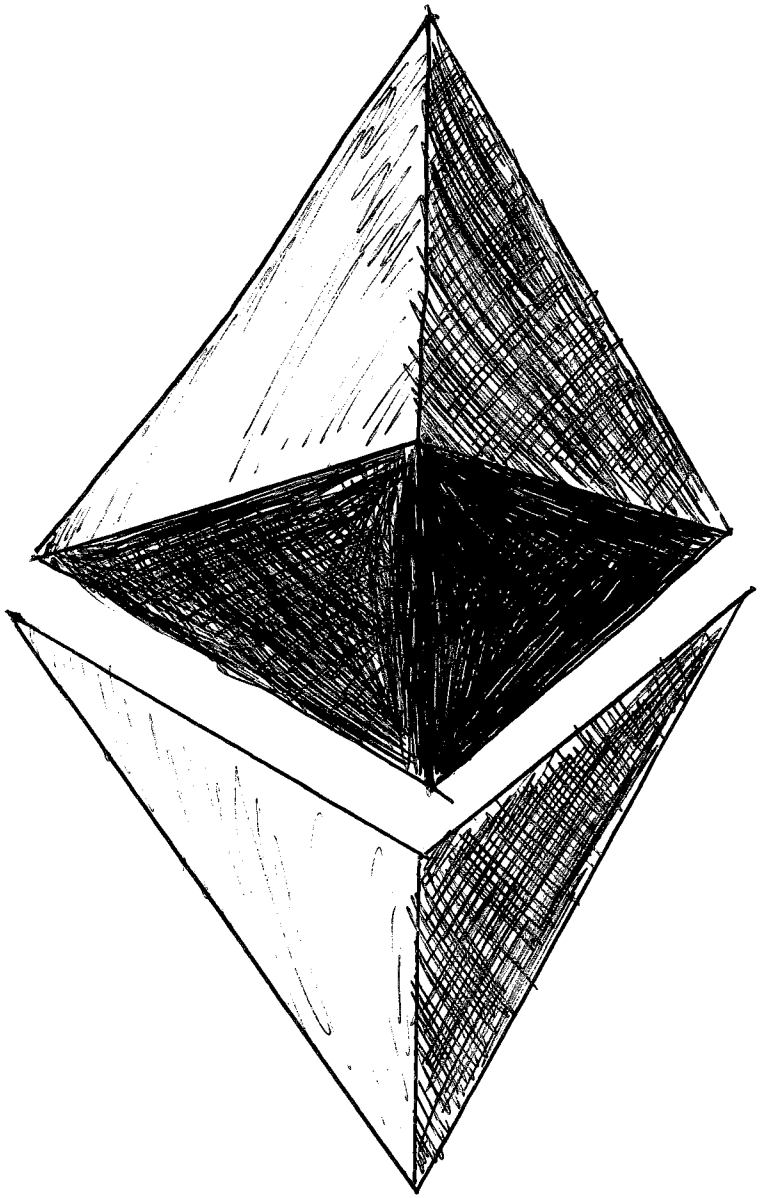
FIRST, LET'S AUTOMATE ALL THE LAWYERS: SMART CONTRACTS WITH ETHEREUM





Bill Laboon

@BillLaboon



WHAT IS ETHEREUM?

A. "BITCOIN 2.0"

B. "PROGRAMMABLE MONEY"

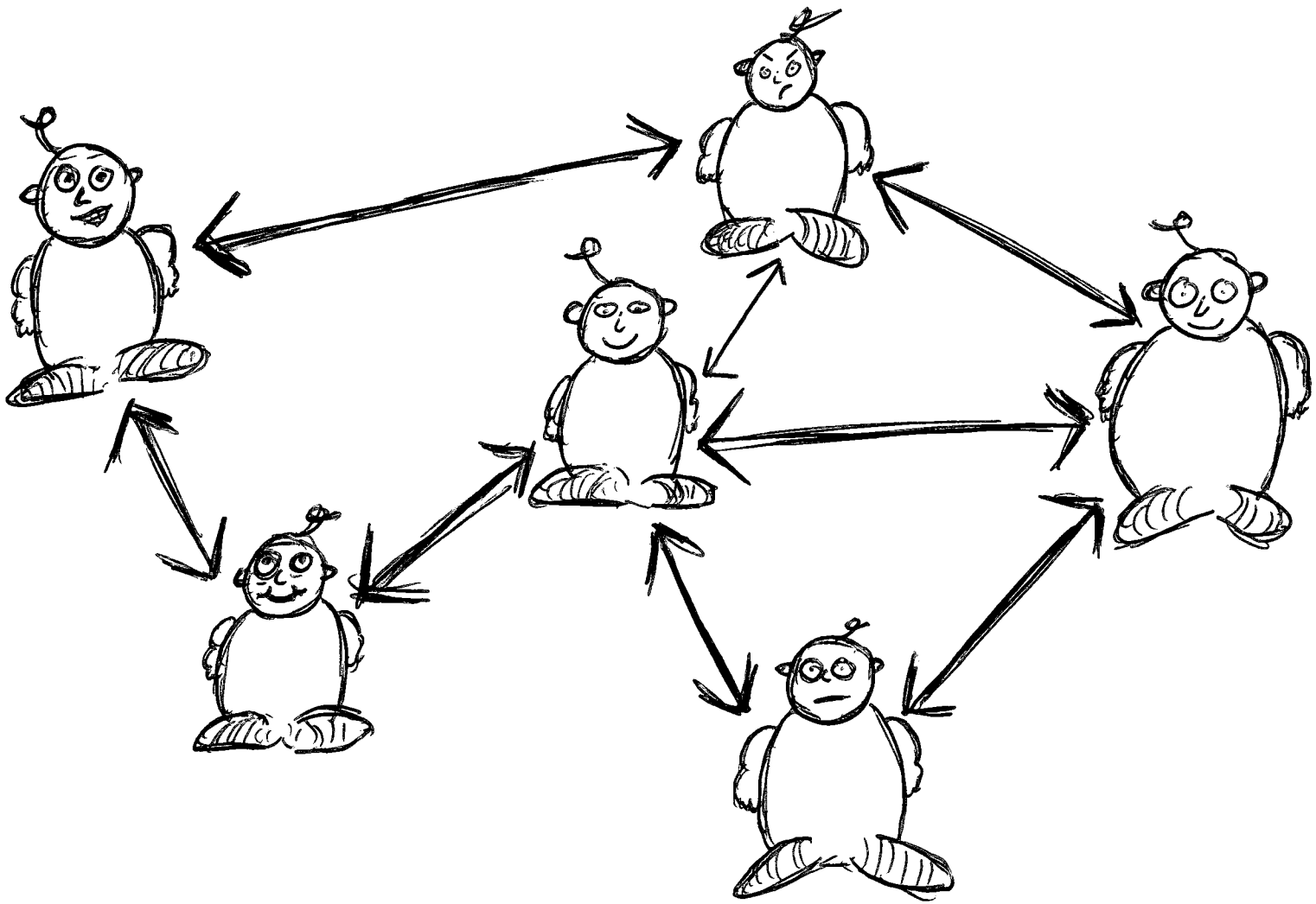
C. "WORLD COMPUTER"

D. "TRUE TRUSTED COMPUTATION"

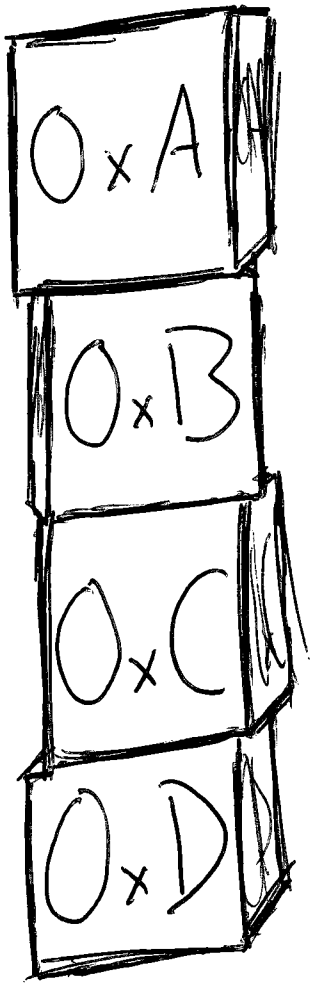
E. "A NEW KIND OF LAW"

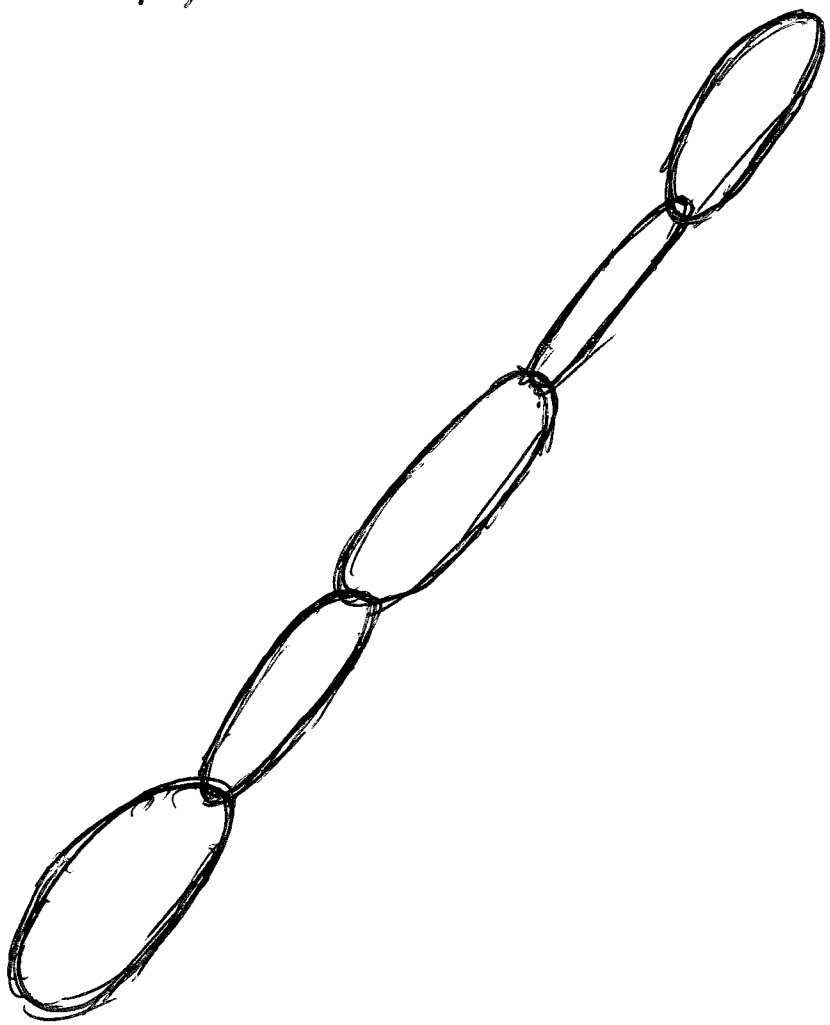
F. ALL OF THE ABOVE

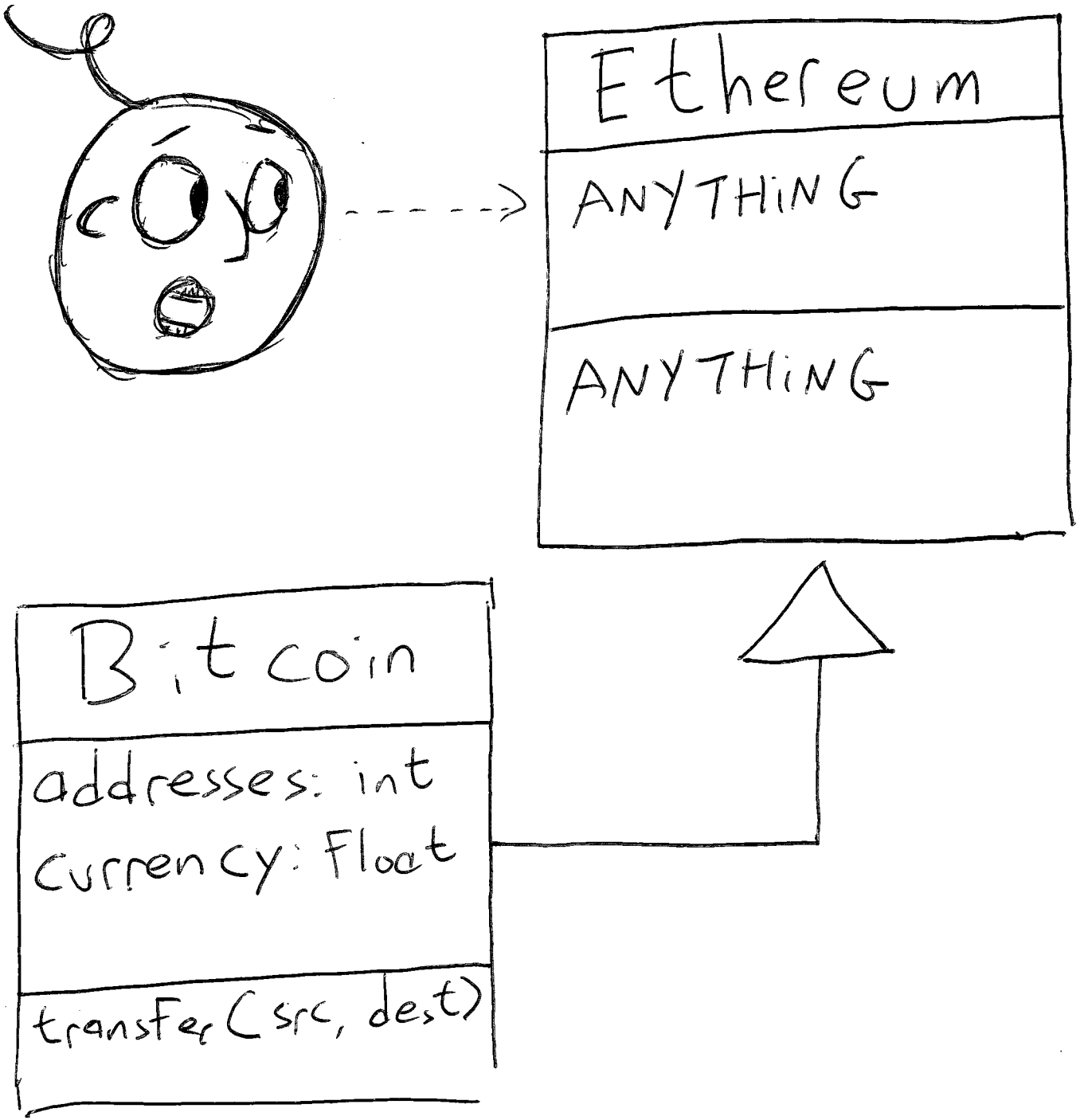
PEER - TO - PEER

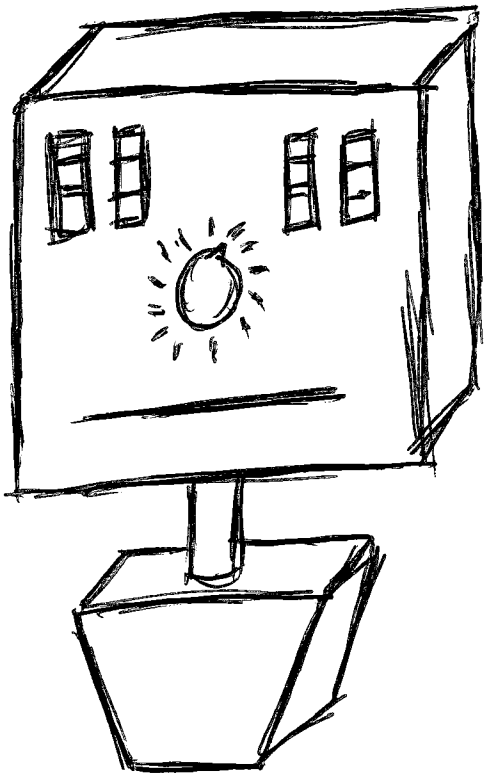


BLOCKCHAIN



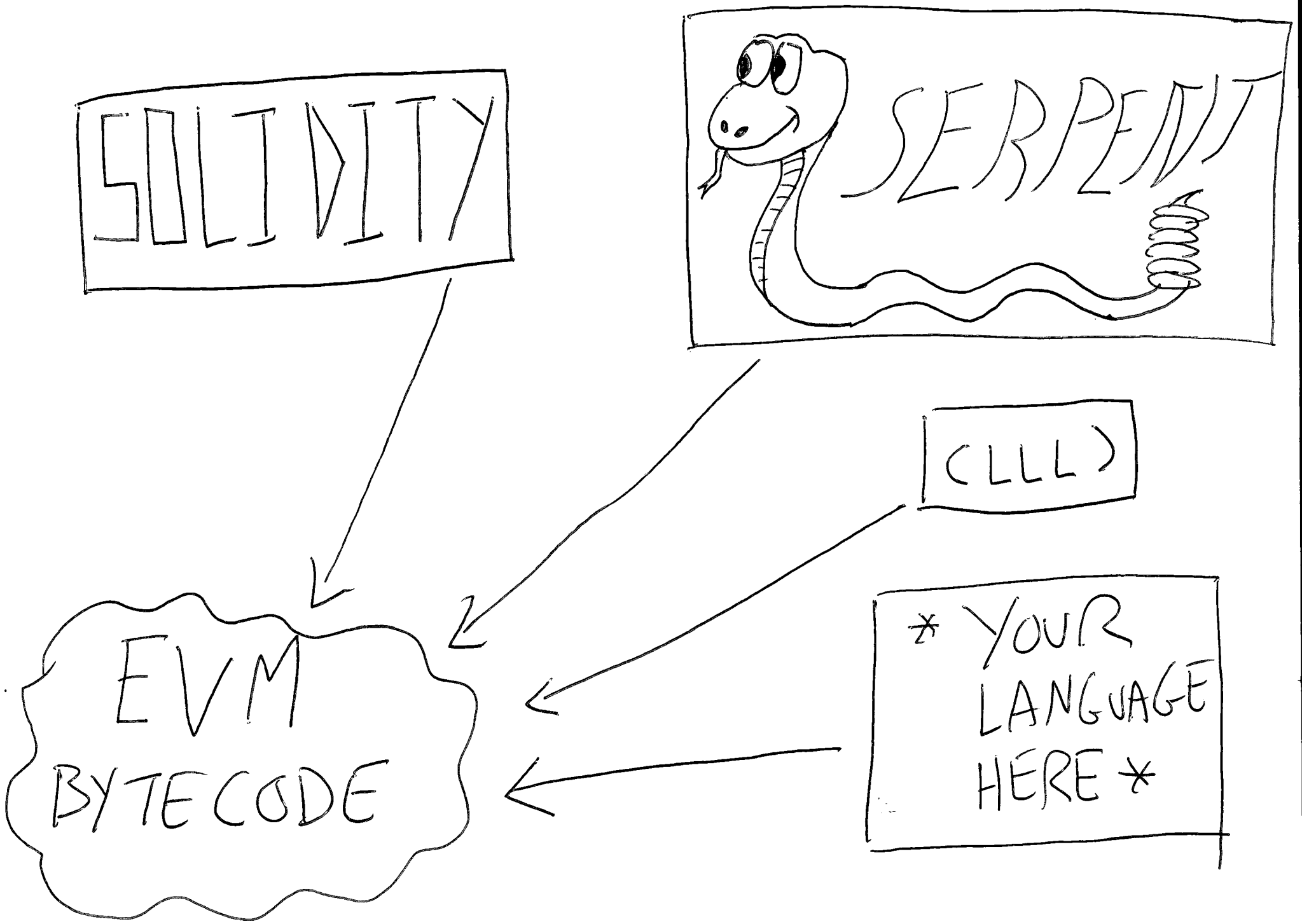



Ethereum
ANYTHING
ANYTHING
Bitcoin
addresses: int
currency: Float
transfer(src, dest)



1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |

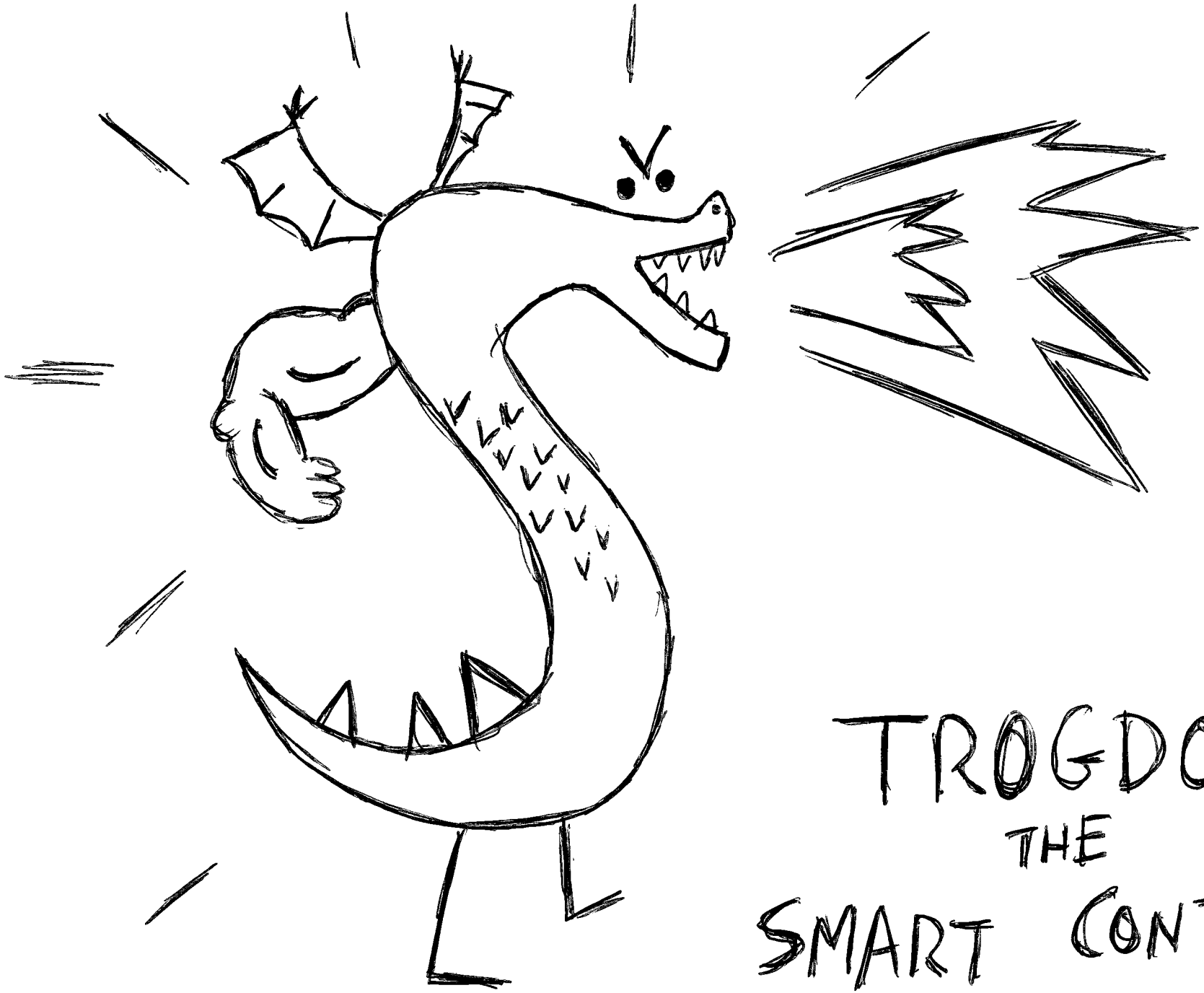
EVM


SOLIDITY
SERPENT
(LLL)
EVM
BYTECODE
* YOUR
LANGUAGE
HERE *

CAR LEASE AGREEMENT
THE ~~BUYER~~ LESSEE, JANE DOE,
AGREES TO PAY THE LESSOR,
THE AMOUNT OF $251.00
ON THE FIRST OF THE
MONTH, FOR A PERIOD OF
48 MONTHS, SPECIFICALLY FROM
1 JULY 2016 TO 1 JULY 2020
THE LESSOR SHALL HAVE COMPLETE
AND UNFETTERED ACCESS DURING THAT
PERIOD

```
Car c = new Car();
c.setOwner("Jane Doe");
while (leaseNotUp) {
    c.canDrive();
    if (!paymentThisMonth) {
        throw new NoPaymentException();
    }
    ...
```

CONTRACTS
ENFORCE
THEMSELVES!



TROGDOR THE SMART CONTRACT

The DAO

AUGUR

ETHERiA

KYC-CHAIN

SLOCK.IT