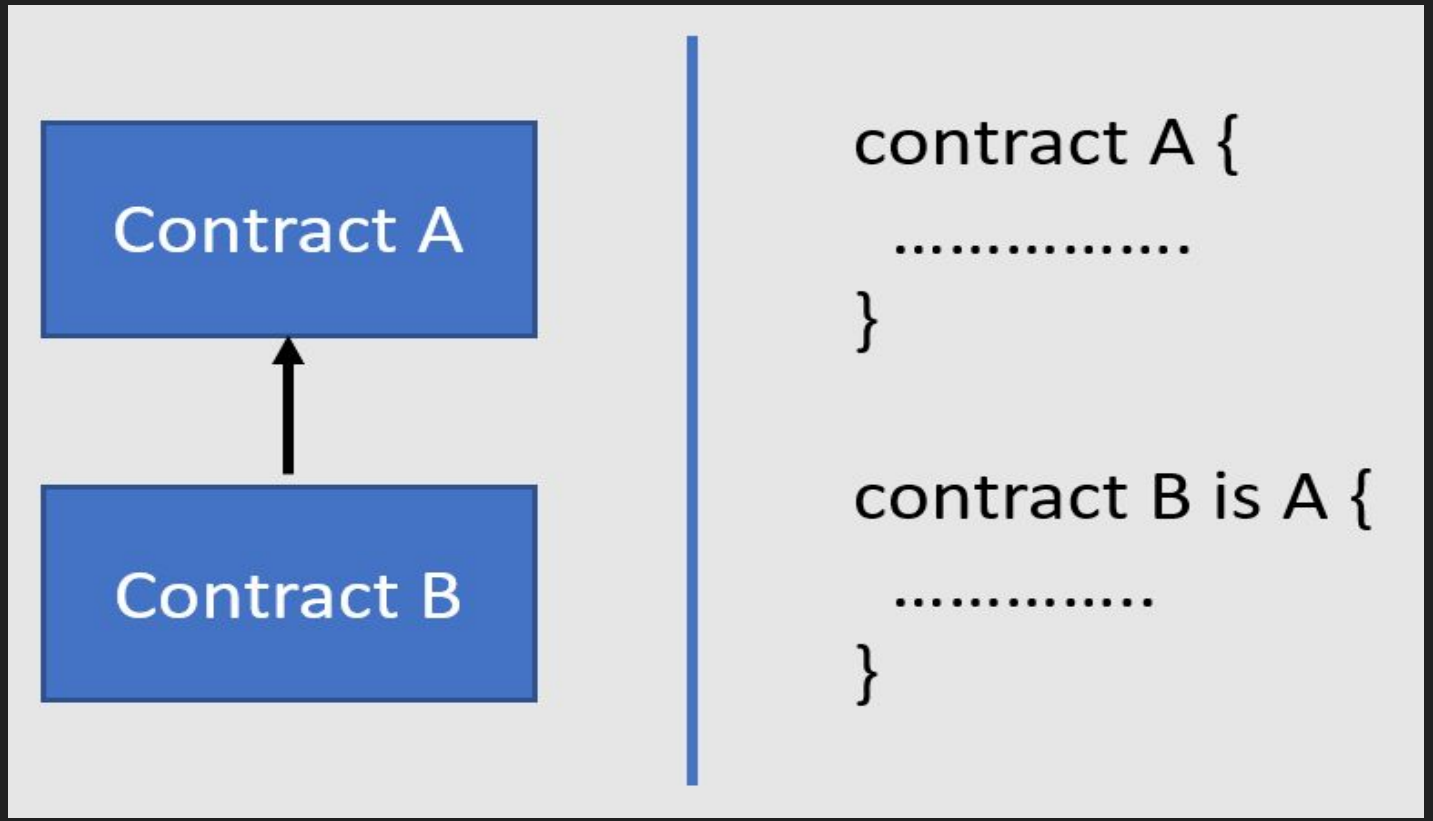
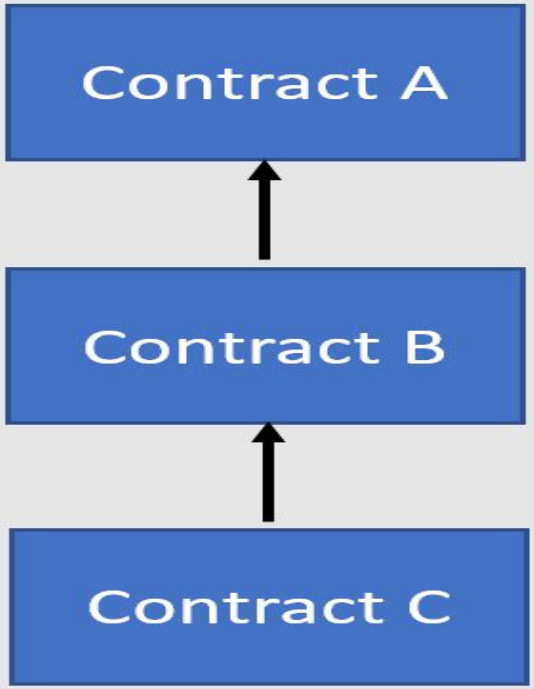
Blockchain Workshop

Aparoksha, 2019

SINGLE INHERITANCE



MULTI - LEVEL INHERITANCE

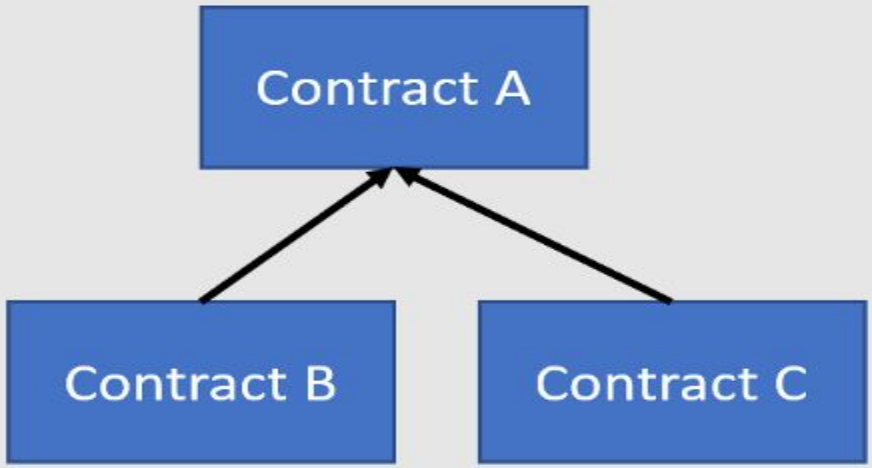



```
contract A {
  ..............
}

contract B is A {
  ..............
}

contract C is B {
  ..............
}
```

HIERARCHICAL INHERITANCE

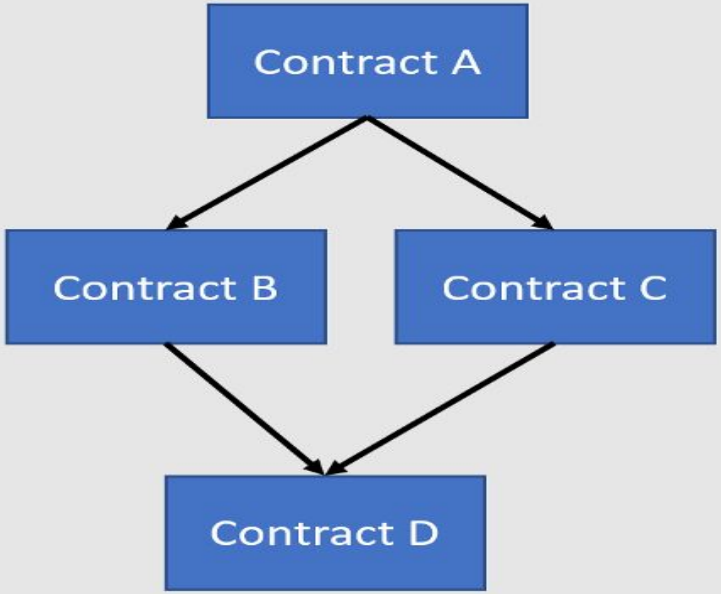



```
contract A {
  ..............
}

contract B is A {
  ..............
}

contract C is A {
  ..............
}
```

MULTIPLE INHERITANCE

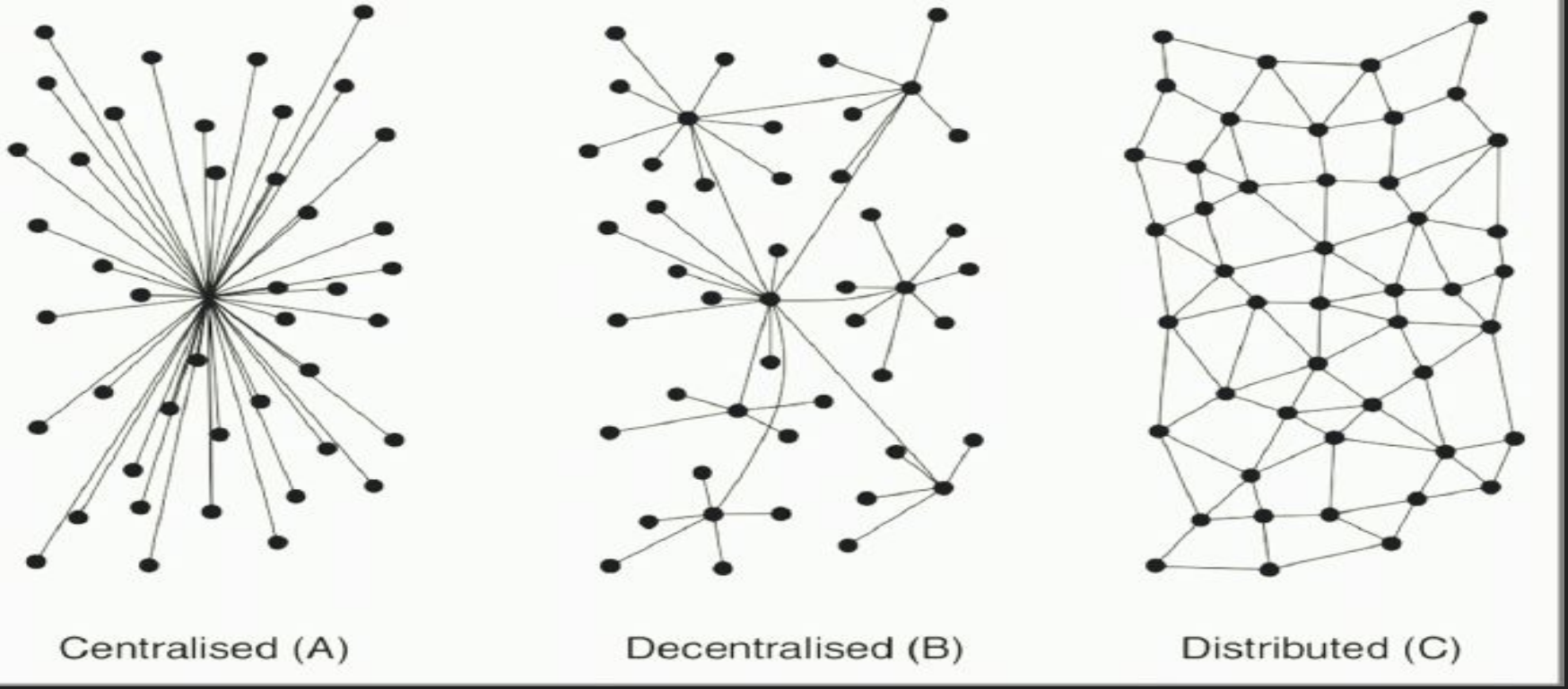


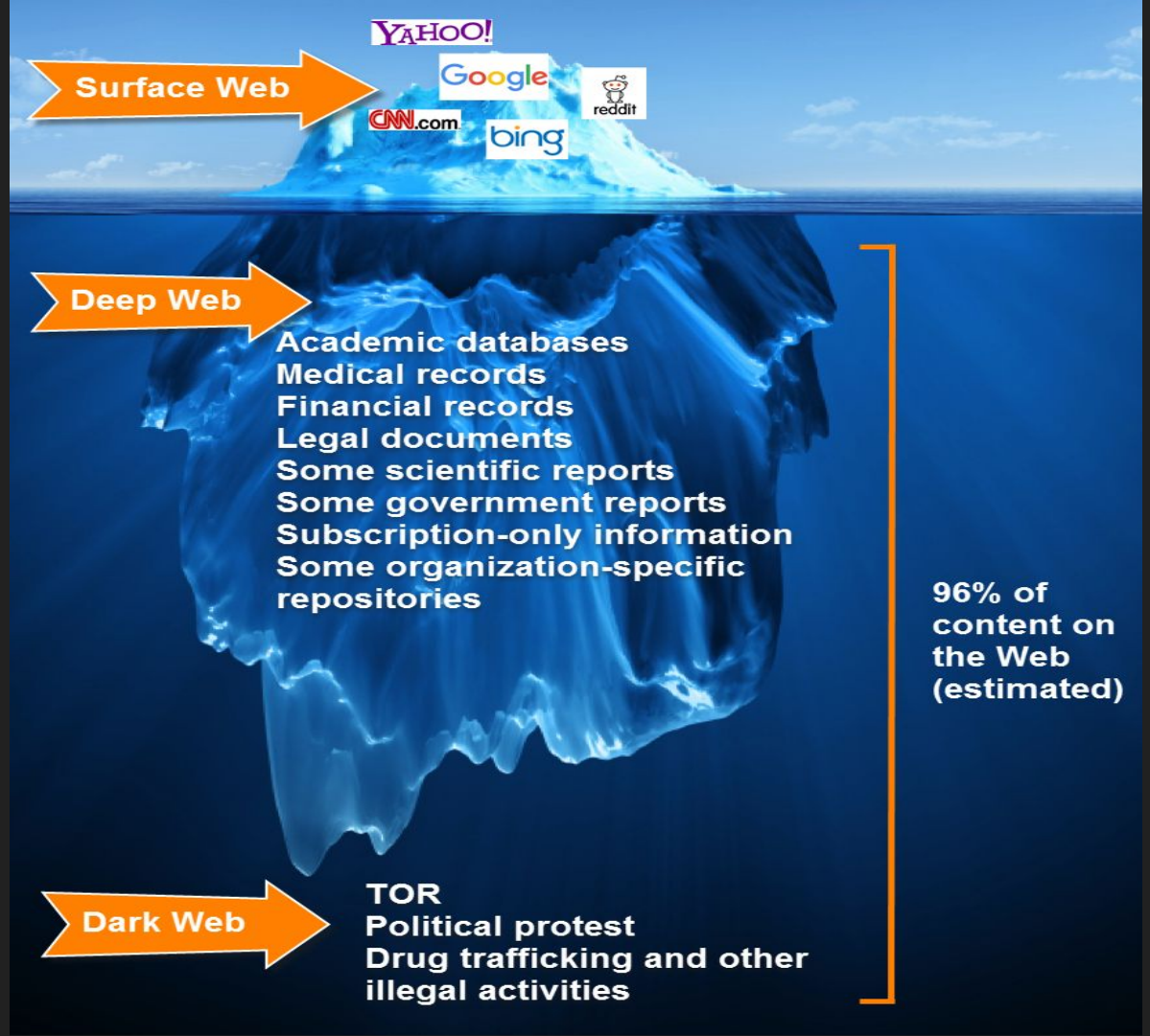

```
contract A {
  ..............
}

contract B is A  {
  ..............
}

contract C is A {
  ..............
}

contract D is A,B,C {
 ..............
}
```


Centralised (A)
Decentralised (B)
Distributed (C)


Surface Web
YAHOO!
Google
reddit
CNN.com
bing
Deep Web
Academic databases
Medical records
Financial records
Legal documents
Some scientific reports
Some government reports
Subscription-only information
Some organization-specific repositories
Dark Web
TOR
Political protest
Drug trafficking and other illegal activities
96% of content on the Web (estimated)

Silk Road

anonymous market

messages 1 | orders 0 | account ฿0.00

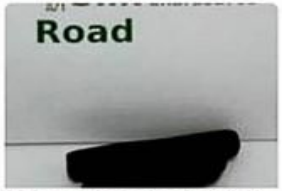
Search Go

Shop by Category

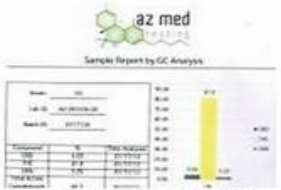
- Drugs *2,399*
  - Cannabis *341*
  - Dissociatives *65*
  - Ecstasy *209*
  - Opioids *156*
  - Other *144*
  - Precursors *12*
  - Prescription *526*
  - Psychedelics *427*
  - Stimulants *273*
- Apparel *114*
- Art *7*
- Books *743*
- Collectibles *12*
- Computer equipment *19*
- Custom Orders *26*
- Digital goods *310*
- Drug paraphernalia *89*
- Electronics *20*
- Erotica *319*
- Fireworks *2*
- Food *3*
- Forgeries *58*
- Hardware *2*
- Home & Garden *7*
- Jewelry *48*
- Lab Supplies *5*
- Lotteries & games *29*
- Medical *5*

5x - 10mg Dexedrine (Pure Dextroamphetamine)
฿4.94

2 x 0,25 mg Xanax (Alprazolam)
฿1.50



Malana charas hand rubbed Indian hash 100g
฿75.83



1 Gram OG KUSH OIL 81% THC 90% TOTAL
฿4.13

14 grams (1/2 Ounce) of Nebula JWH-122
฿2.63

3.5g Crystal Meth Ice Shards
฿31.92

20 x 25mg Cialis
฿2.57

!!!...Psilocybe-Cubensis-Chocolate...!!!
฿18.15

100 x Orange Star Very high MDMA content 180mg

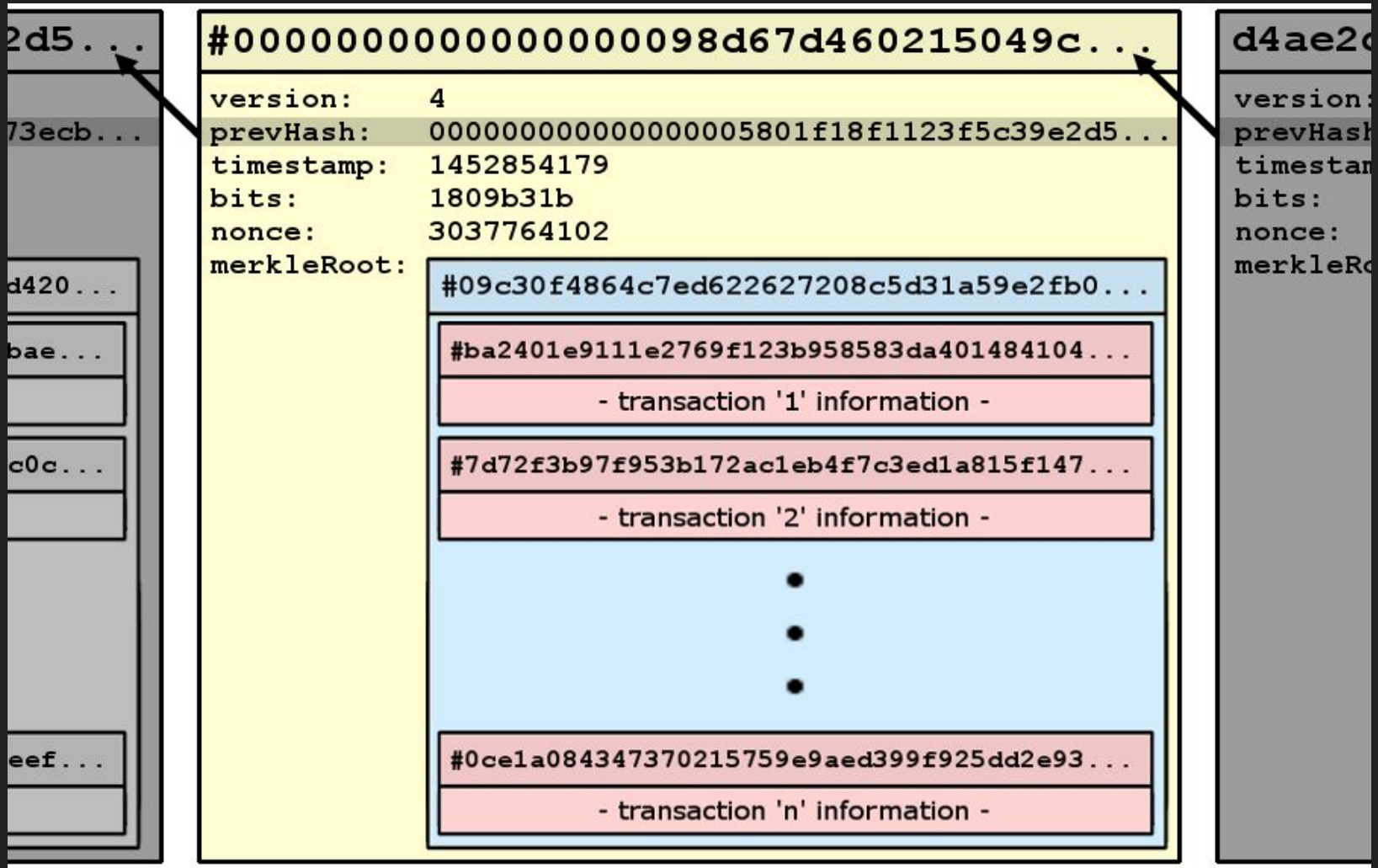
100x 200mg White XTC 'Speakers'

3g Methylone Crystals -$50- Lab Grade

15mg Adderall Extended Release (1 Capsule)

BLOCK HEADER

Size	Field	Description
4 bytes	Version	The Bitcoin Version Number
32 bytes	Previous Block Hash	The previous block header hash
32 bytes	Merkle Root	A hash of the root of the merkle tree of this block's transactions
4 bytes	Timestamp	The timestamp of the block in UNIX.
4 bytes	Difficulty Target	The difficulty target for the block.
4 bytes	Nonce	The counter used by miners to generate a correct hash.


2d5...
73ecb...
d420...
bae...
c0c...
eef...
#000000000000000098d67d460215049c...
version: 4
prevHash: 00000000000000005801f18f1123f5c39e2d5...
timestamp: 1452854179
bits: 1809b31b
nonce: 3037764102
merkleRoot:
#09c30f4864c7ed622627208c5d31a59e2fb0...
#ba2401e9111e2769f123b958583da401484104...
- transaction '1' information -
#7d72f3b97f953b172ac1eb4f7c3ed1a815f147...
- transaction '2' information -
#0ce1a084347370215759e9aed399f925dd2e93...
- transaction 'n' information -
d4ae2c
version:
prevHash
timestam
bits:
nonce:
merkleRo