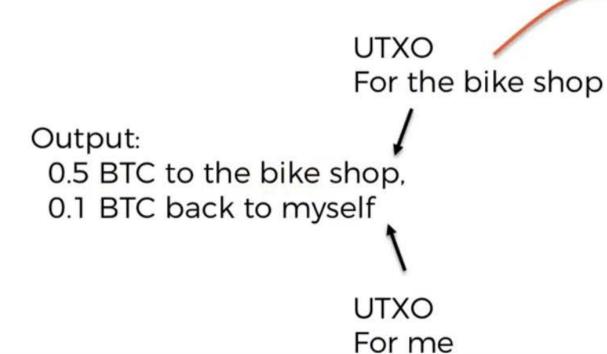


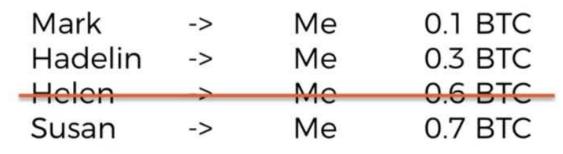
I want to Buy a bicycle for 0.5 BTC

TRANSACTION:

Input:

0.6 BTC from Helen





UTXQs

I want to Buy a bicycle for 0.5 BTC

TRANSACTION:

Input:

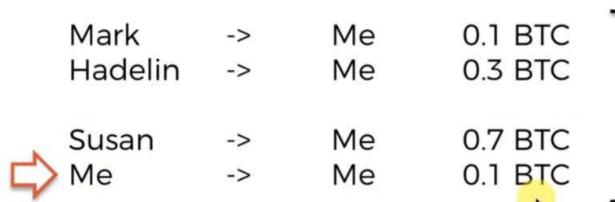
0.6 BTC from Helen

Output:
0.5 BTC to the bike shop,
0.1 BTC back to myself

UTXO

UTXO

For me



UTXOs



I want to Buy a 2nd bicycle for 1.1 BTC

TRANSACTION:

Input: 0.3 BTC from Hadelin, 0.7 BTC from Susan, 0.1 BTC from Me

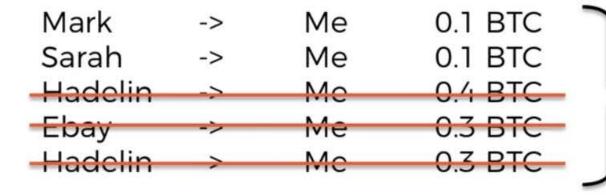
Output:

1.1 BTC to the bike shop,

Mark -> Me 0.1 BTC }— UTXOs

Where do transaction fees come from?

Where do transaction fees come from?



UTXOs

I want to Buy a 3rd bicycle for 0.9 BTC and an apple for 0.02 BTC

TRANSACTION:

Input:

0.4 BTC from Hadelin,

0.3 BTC from Ebay

0.3 BTC from Hadelin



0.9 BTC to the bike shop,

0.02 BTC to the fruit shop,

0.06 BTC to myself

UTXO for the bike shop

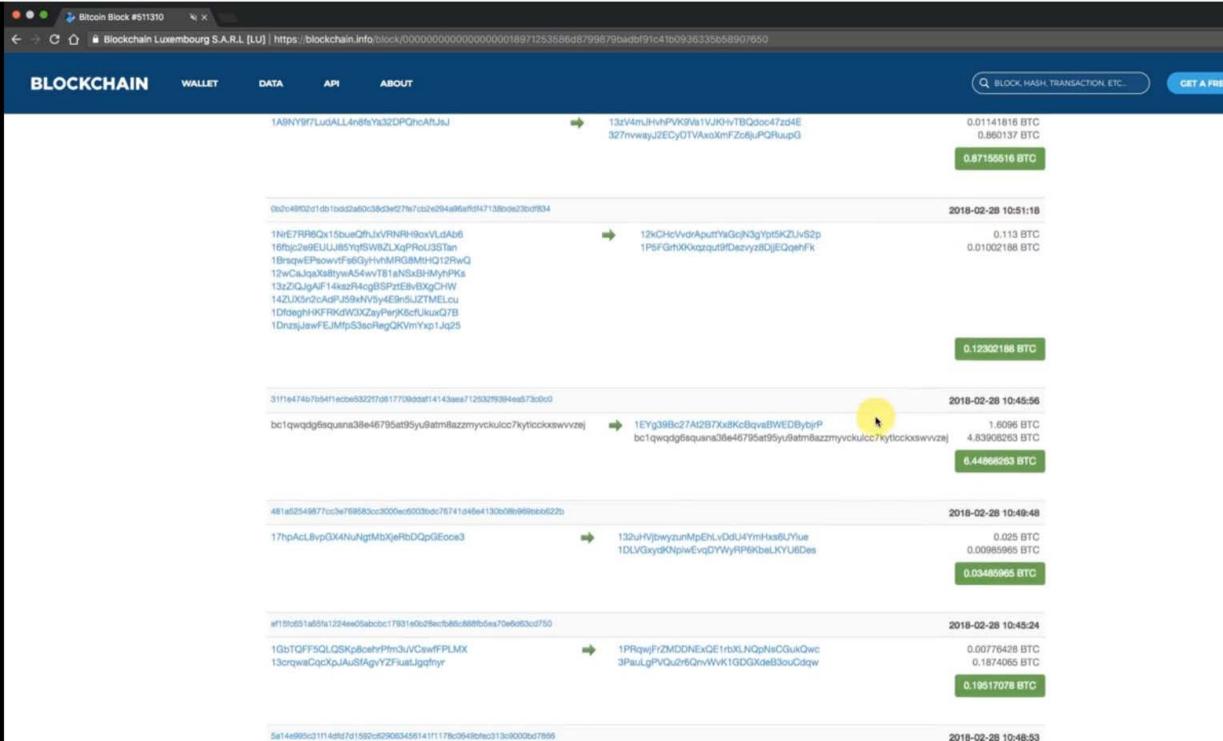
UTXO for the bike shop

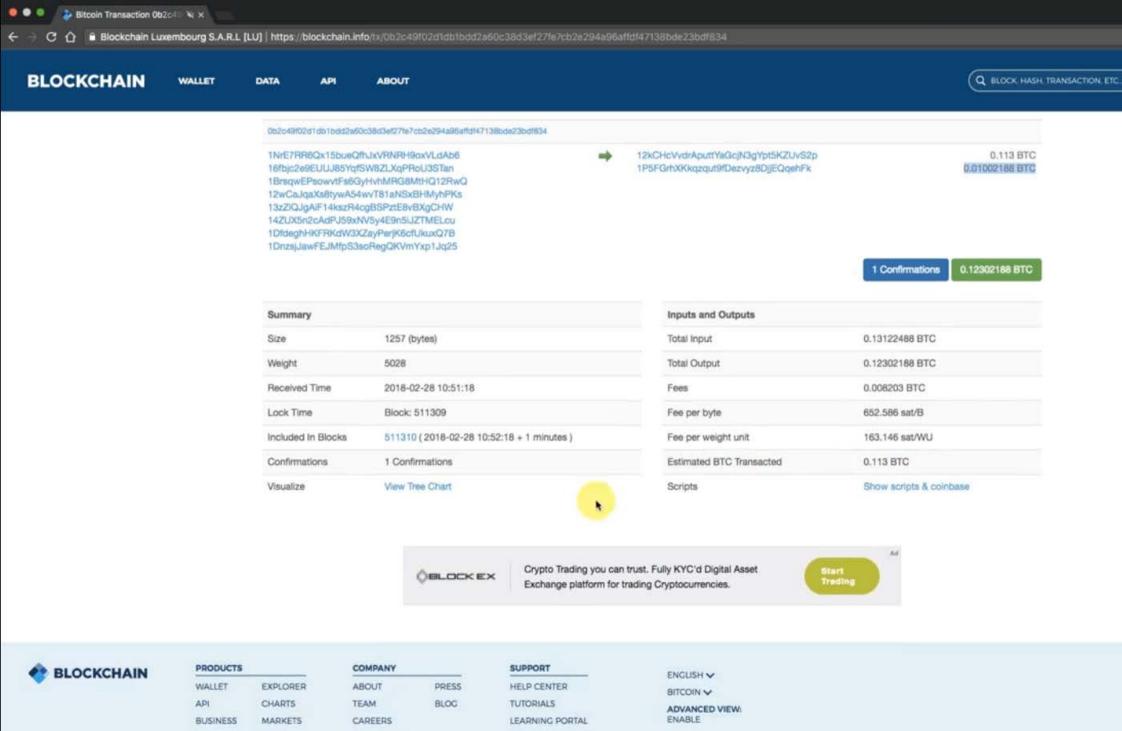
UTXO for me

Where do transaction fees come from?

Mark -> Me 0.1 BTC
Sarah -> Me 0.1 BTC
Me 0.1 BTC
UTXOs
Me 0.0.6 BTC







GET A FREE

How Wallets Work

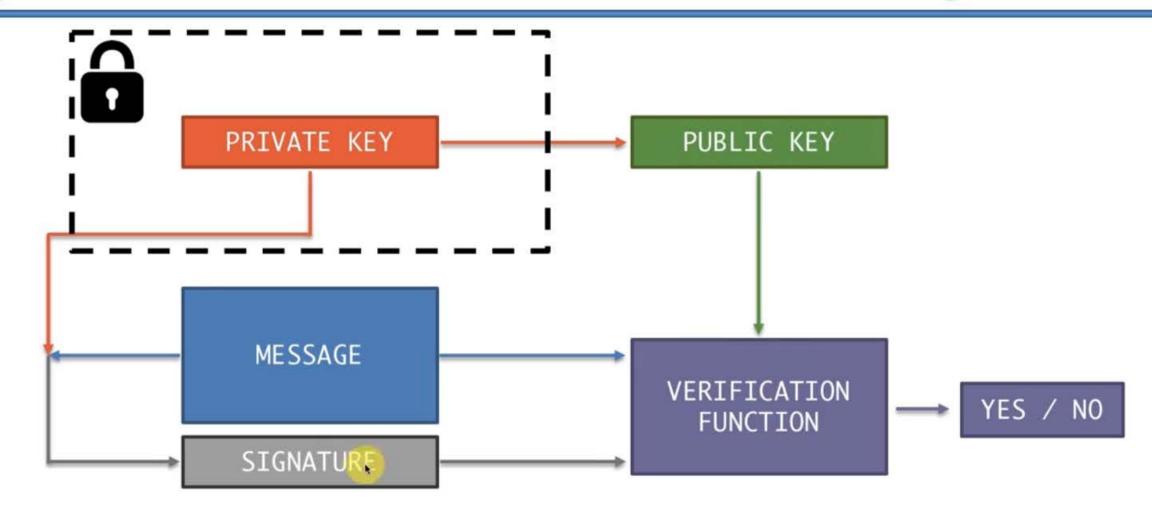
How Wallets Work

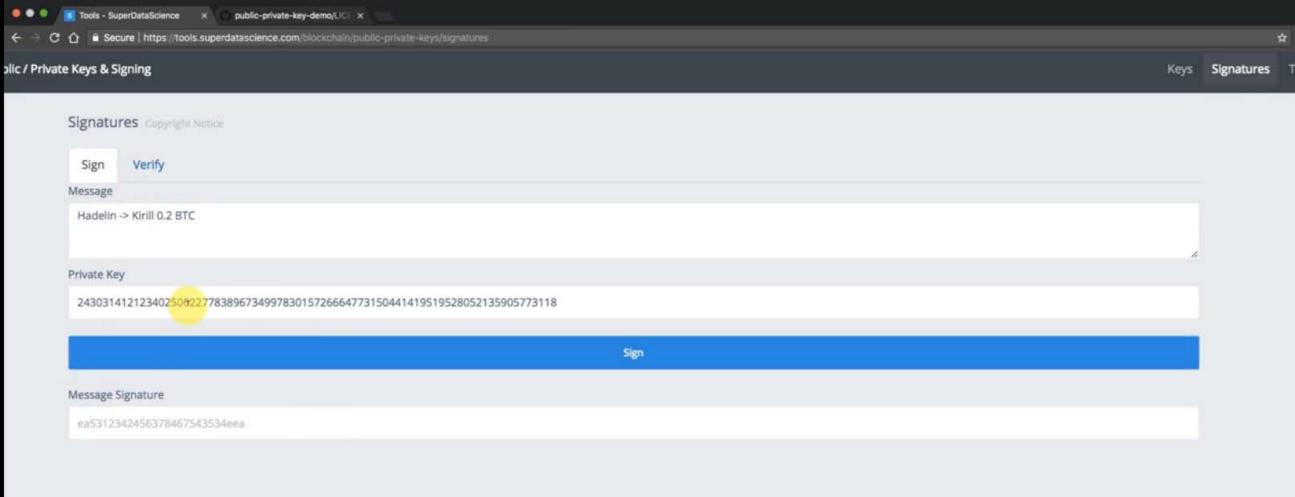


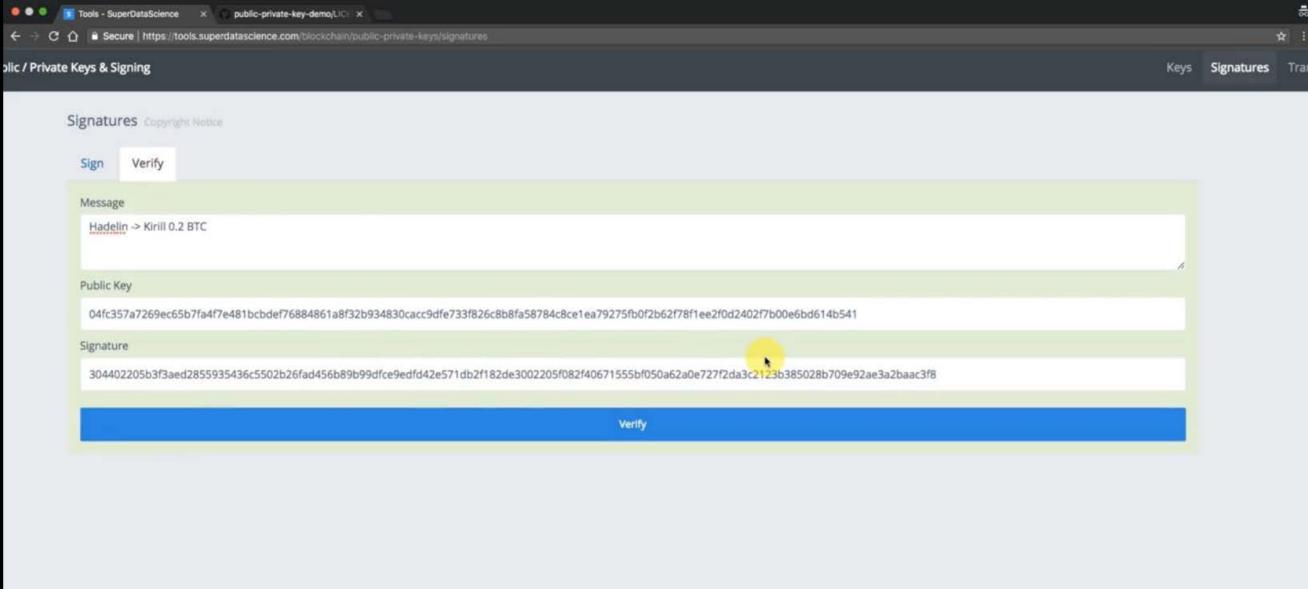


Signatures: Private & Public Keys

Signatures: Private & Public Keys







What is Segregated Witness? (SegWit)

Block: #500,112

Timestamp: 1519181244

Nonce: 323451

Transactions:

198D2F359AB1AC868A1CC8275AE96

D8C58A0FA9D706F68A2F0406FBB71

45AF4FAC8D9F6C7FEA7E86D1706DD

A8DB07FCDD07753644A3097F6A3A2

AEB62940FA07DC9E81ACD03DDA05C

Prev.Hash: 0000DF2E57FB432A

Hash: 0000E9A61C1A43E1

1mb

What is Segregated Witness? (SegWit)

Block: #500,112

Timestamp: 1519181244

Nonce: 323451

Transactions:

198D2F359AB1AC868A1CC8275AE96

D8C58A0FA9D706F68A2F0406FBB71

45AF4FAC8D9F6C7FEA7E86D1706DD

A8DB07FCDD07753644A3097F6A3A2

AEB62940FA07DC9E81ACD03DDA05C

Prev.Hash: 0000DF2E57FB432A

Hash: 0000E9A61C1A43E1

1mb

60%

scriptSig

198D2F359AB1AC868A1CC8275AE96

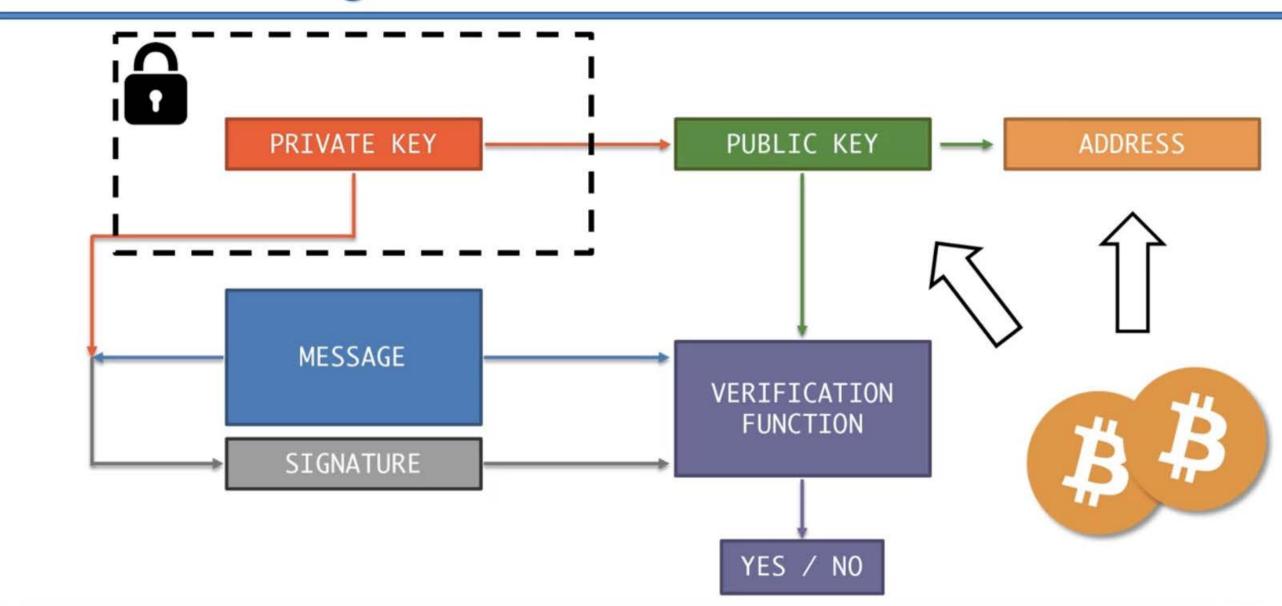
From: X To: Y

Amount: 0.3 BTC

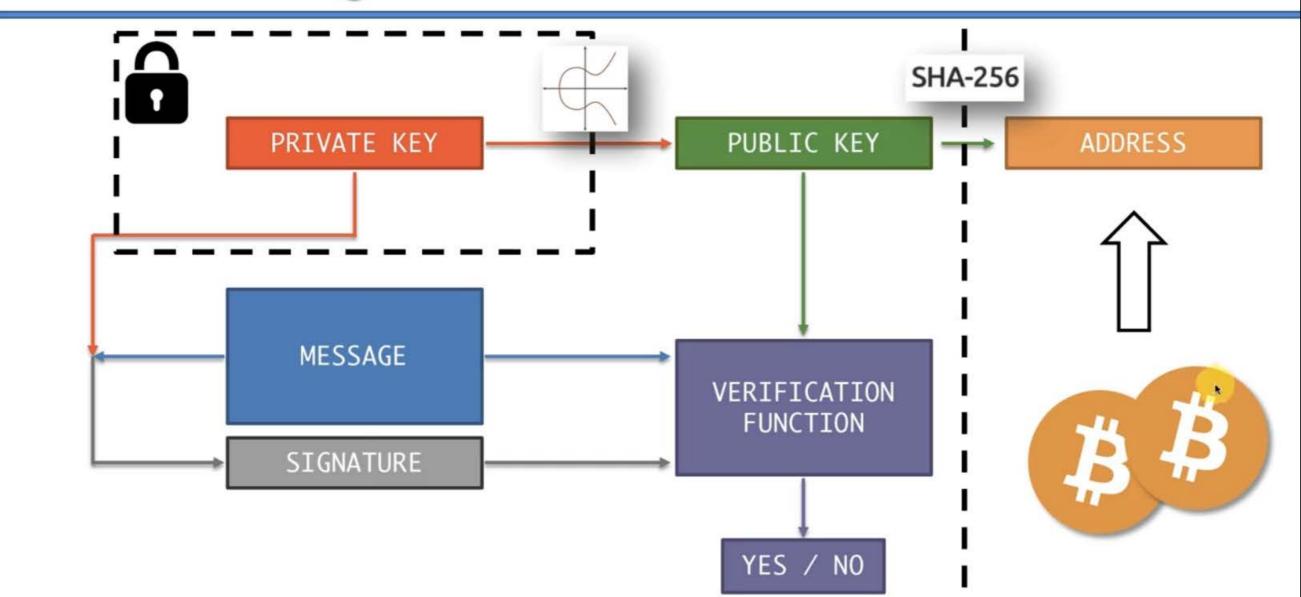
Signature: < ... >
Public Key: < ... >

Public Key vs Bitcoin Address

Public Key vs Bitcoin Address



Public Key vs Bitcoin Address



Public Key vs Bitcoin Address

