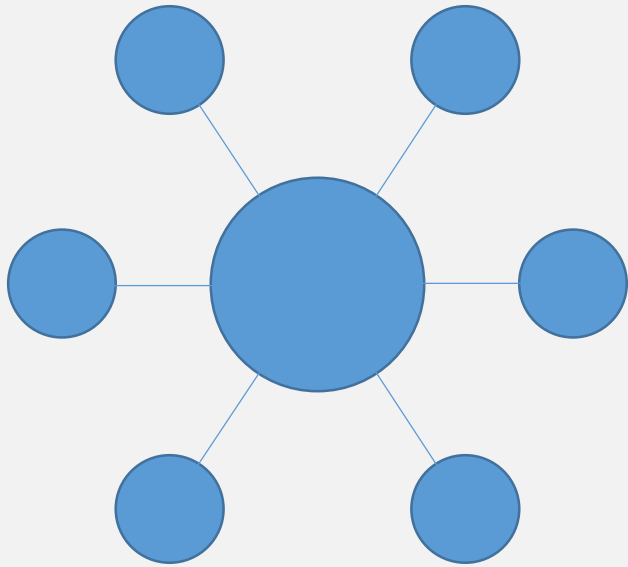


SAFE MONEY FOR EVERYONE

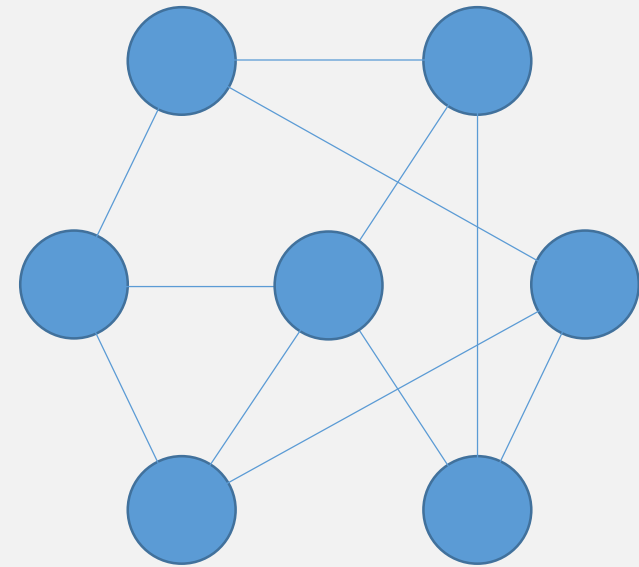


**MONERO**

# Centralized vs. Decentralized Systems

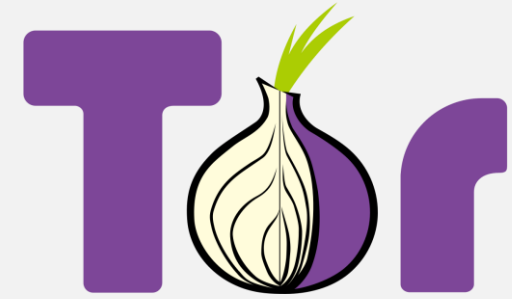


CENTRALIZED

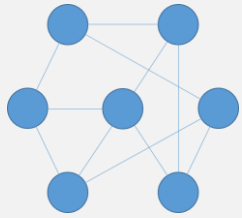


DECENTRALIZED

# A History of Decentralized Systems

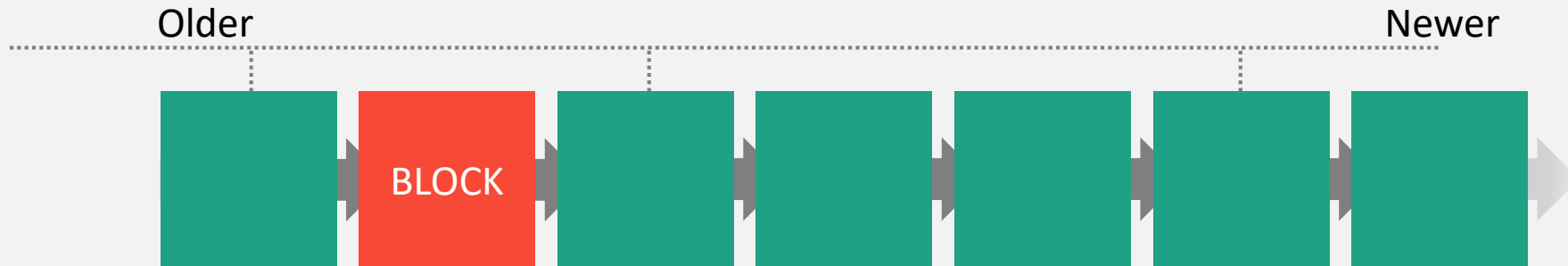






DECENTRALIZED

# What is Bitcoin?



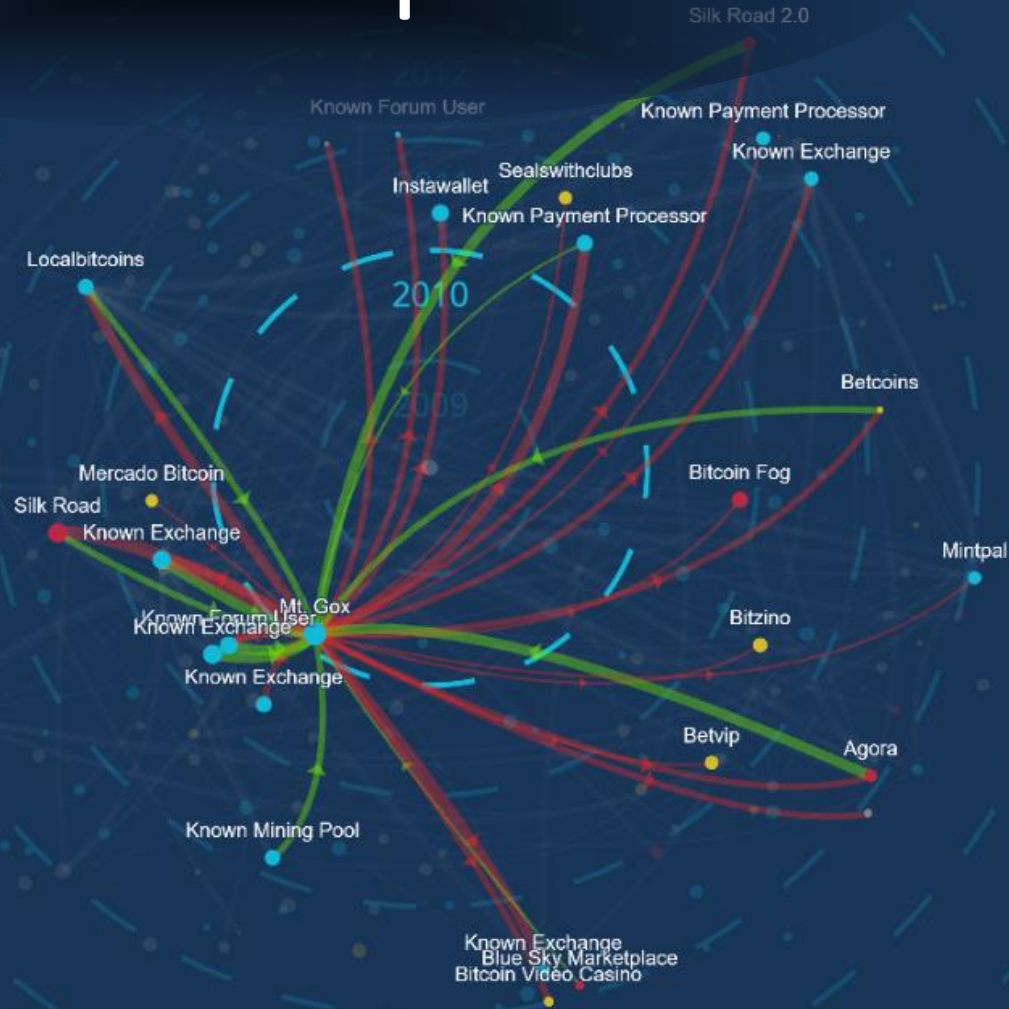
Tx ID: wgis85cissajr5da7wz3fcnqnift

Sender: w3fn5ujfm3d3r975qjd35jrwd4k5q

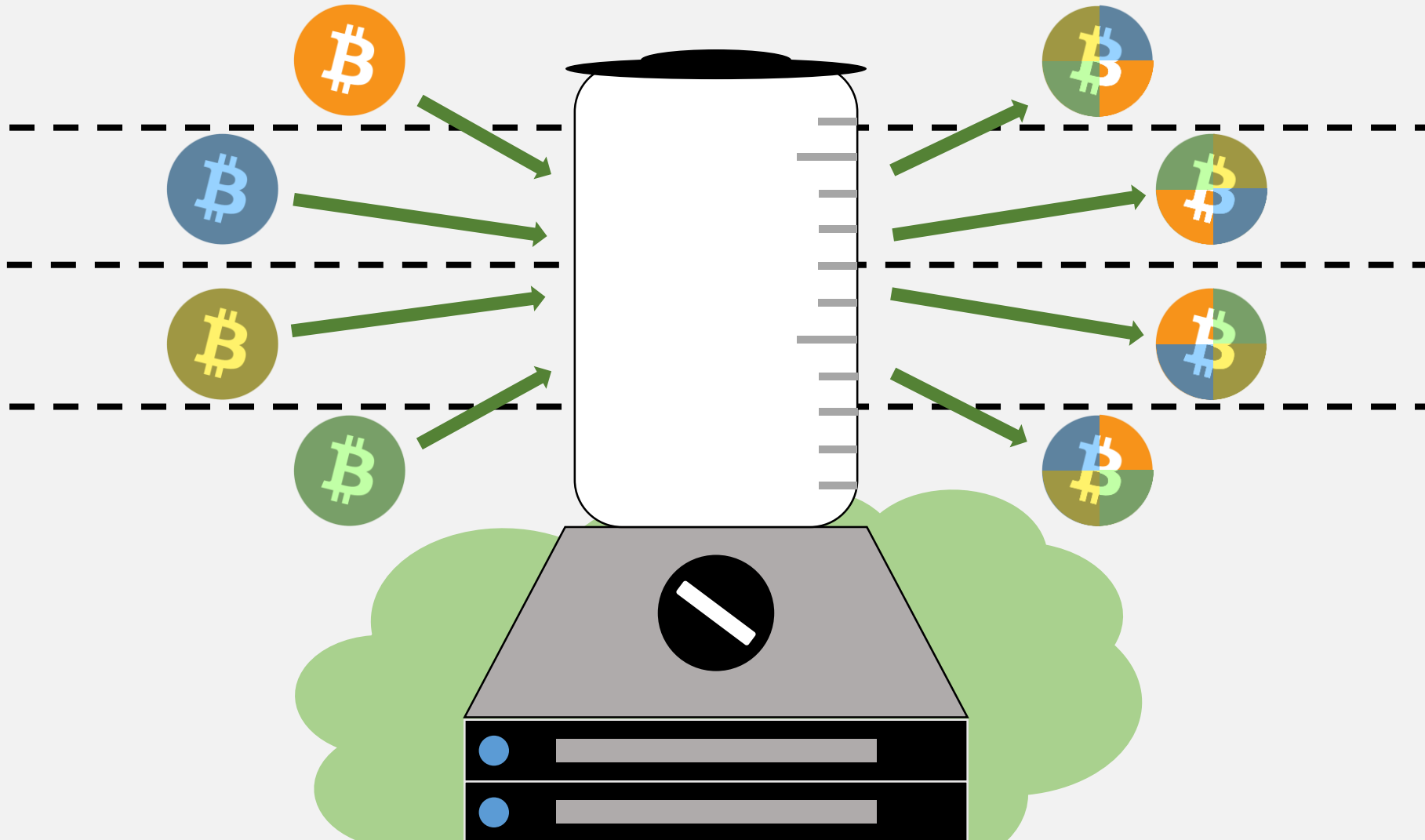
Receiver: nftic5k8sf4j598wf357jw38956659

Amount: 10 BTC

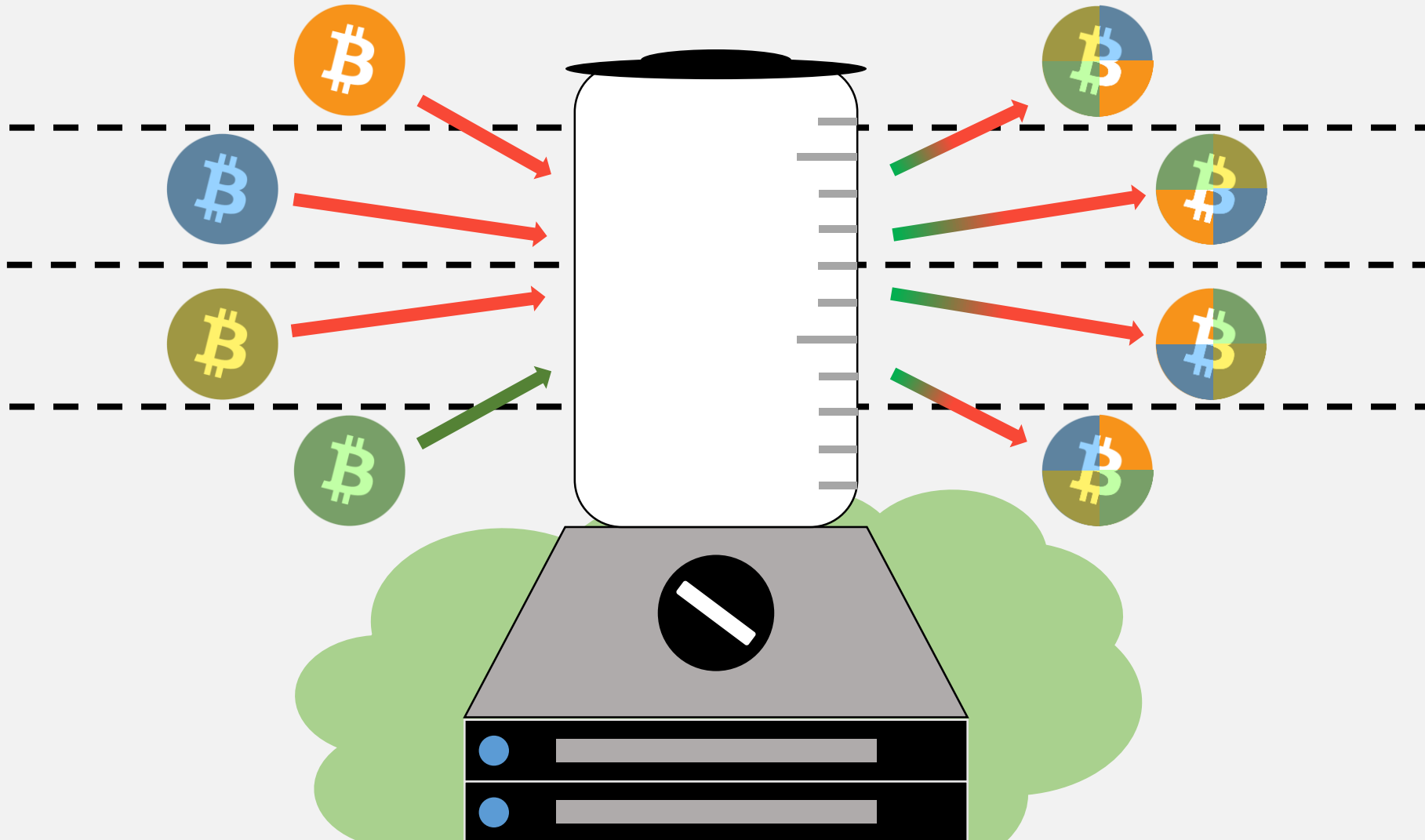
# Bitcoin is NOT private!



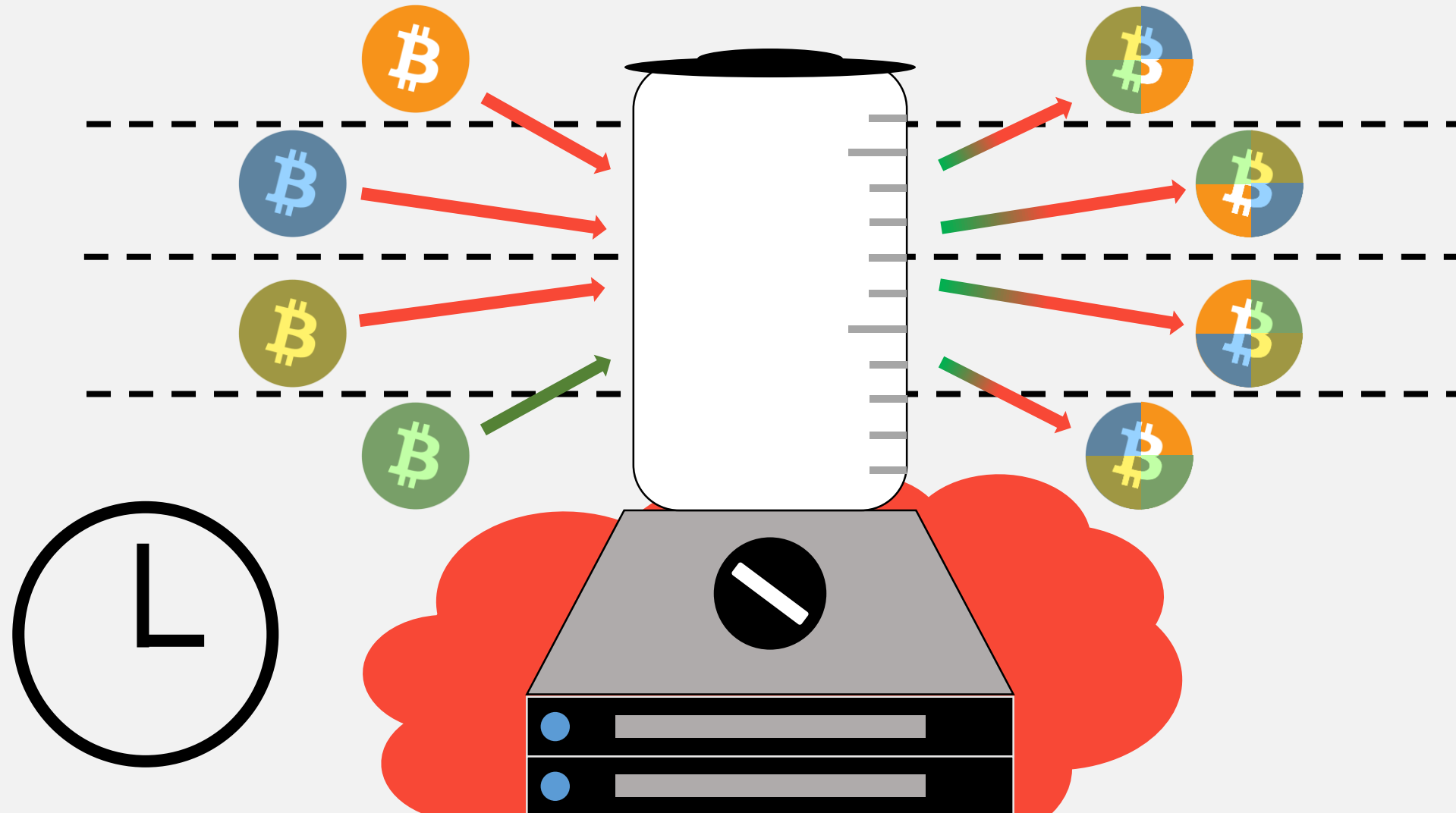
# People Started Adding Tools to Bitcoin



# People Started Adding Tools to Bitcoin

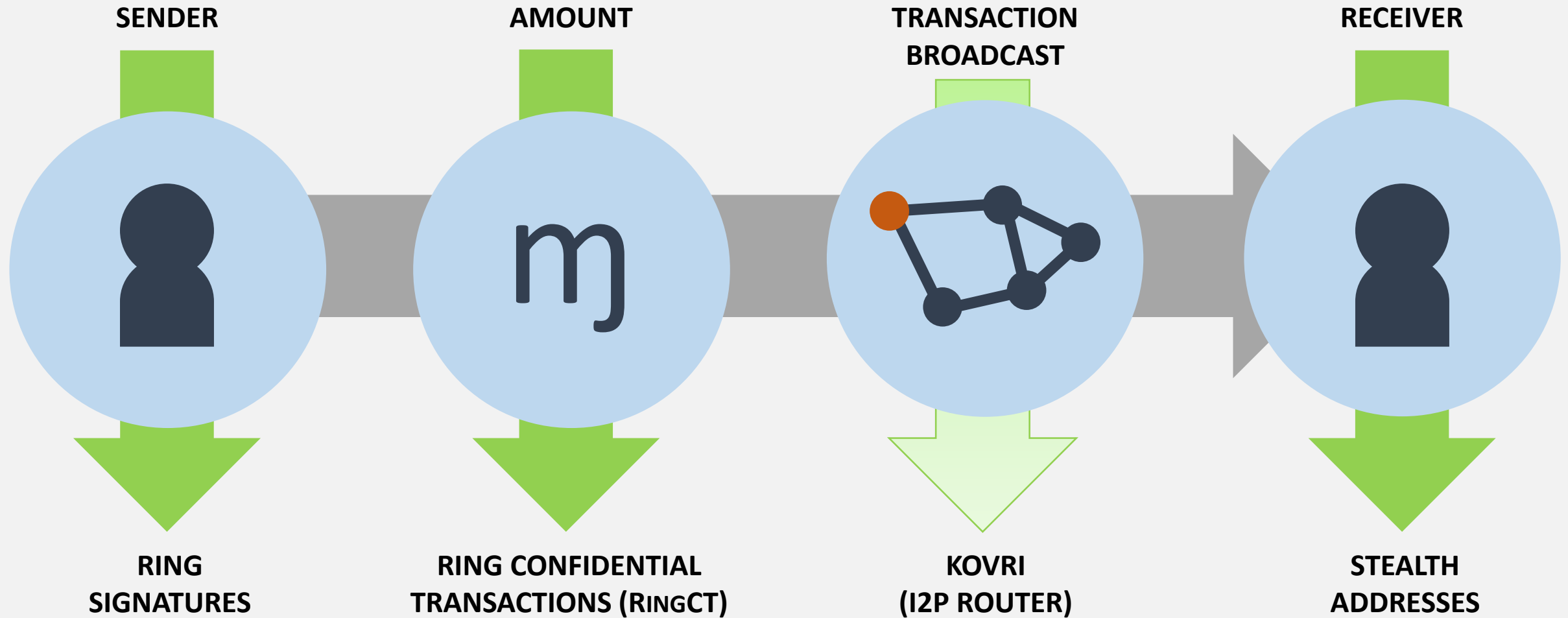


# People Started Adding Tools to Bitcoin





# The Monero Difference



# Ring Signatures & RingCT

BLOCKCHAIN

1 (Tx ID e4hn4ifqyd5ed)

8 (Tx ID hng6iwfumwf8)

15 (Tx ID wn3f4diiijffwn)

2 (Tx ID eshgni5lsvnf74)

9 (Tx ID cb8vqfi8dfj65f)

16 (Tx ID 5 f8wnfdmmii)

3 (Tx ID wb4f5hdfdicnd)

10 (Tx ID fnidmfnu3dm8)

17 (Tx ID h8fn5mdfi4w)

4 (Tx ID nh5nogsefwjw)

11 (Tx ID twv8mf8dnfas)

18 (Tx ID n48gfwmfdkl)

5 (Tx ID fgwinw3fwtk54)

12 (Tx ID h5o8mfdngkd)

19 (Tx ID fnidmnfdsam)

6 (Tx ID ybwnng8nengf)

13 (Tx ID 7nr8mrjffijdtm)

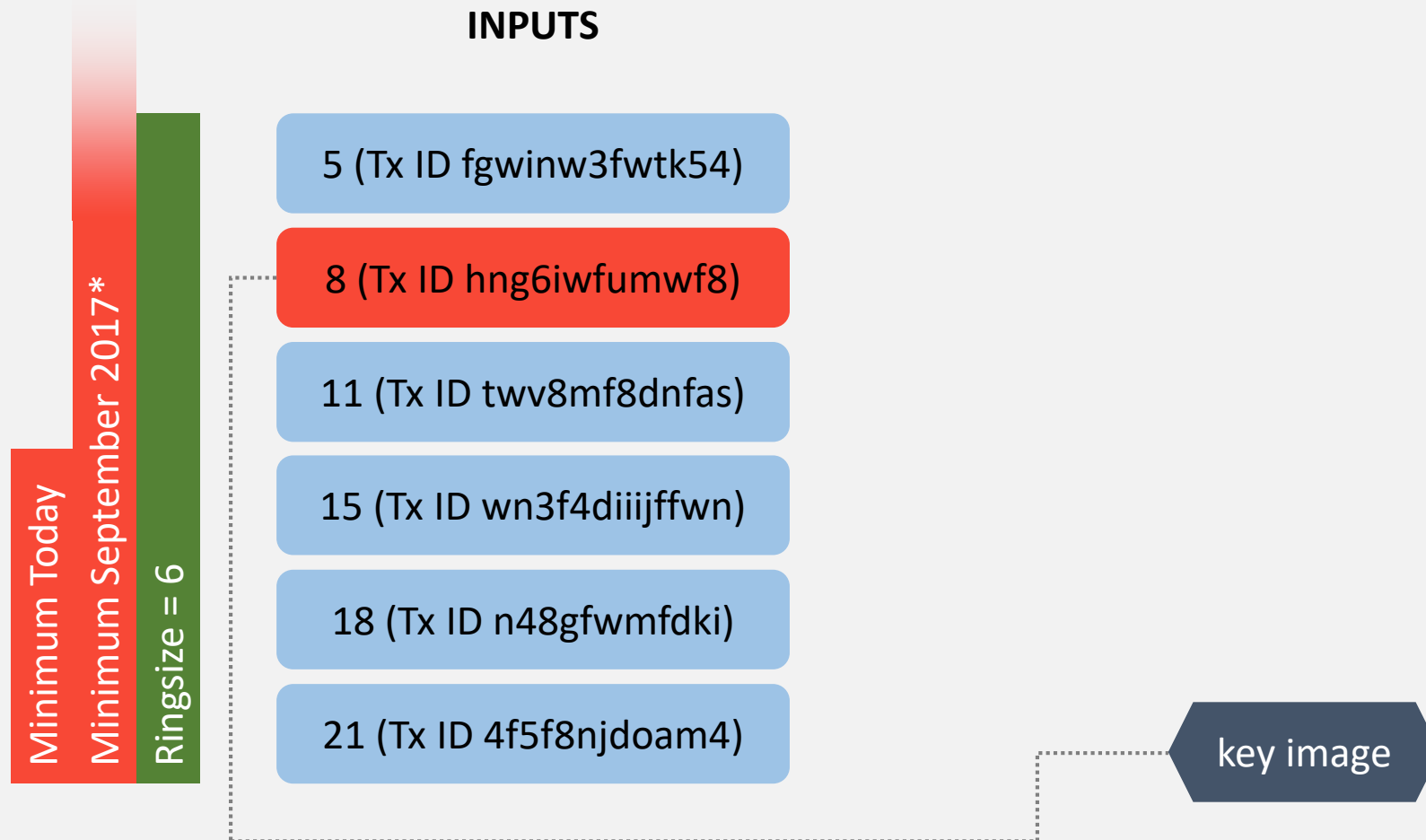
20 (Tx ID t4vn8lf8djer4)

7 (Tx ID e4bgn8flwwrj8)

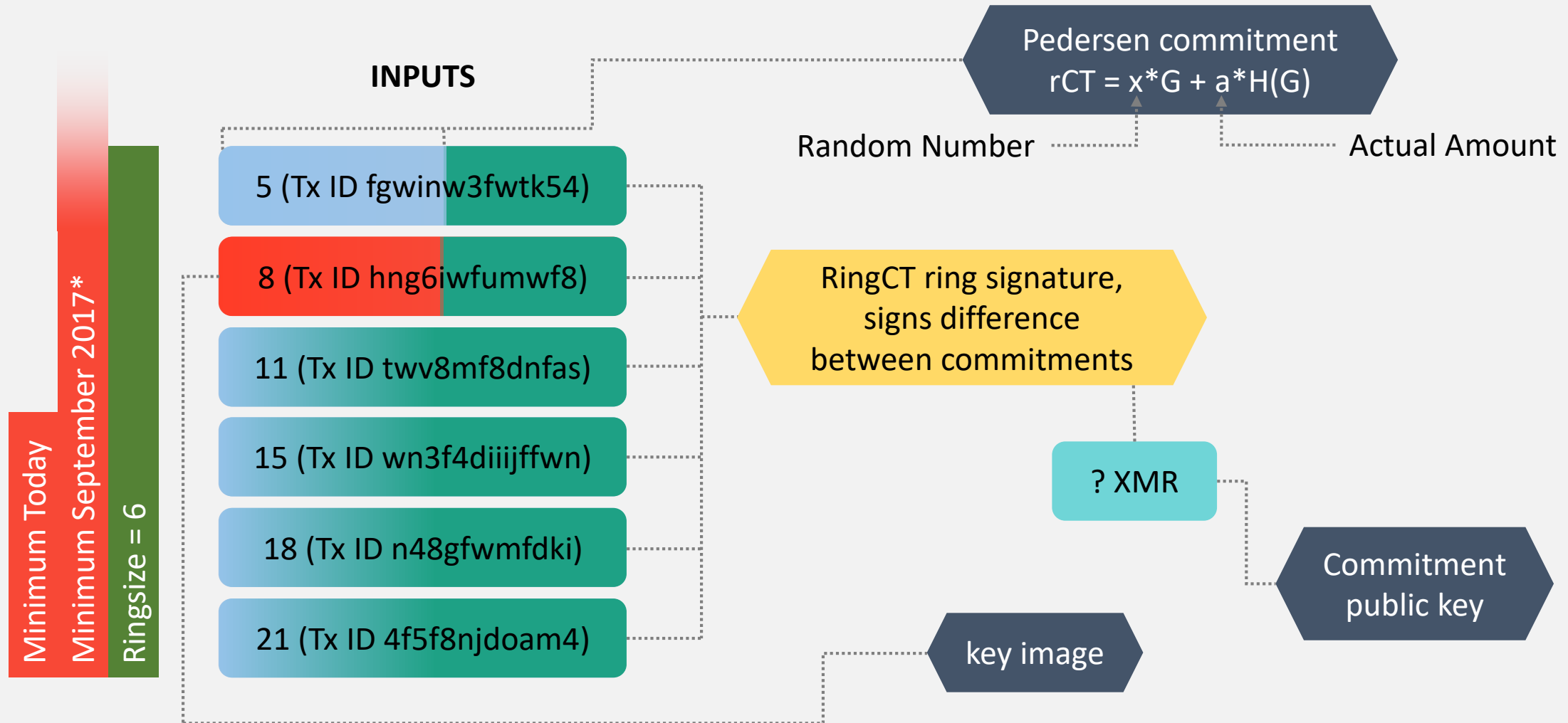
14 (Tx ID f8n8madkrjmd)

21 (Tx ID 4f5f8njdoam4)

# Ring Signatures & RingCT

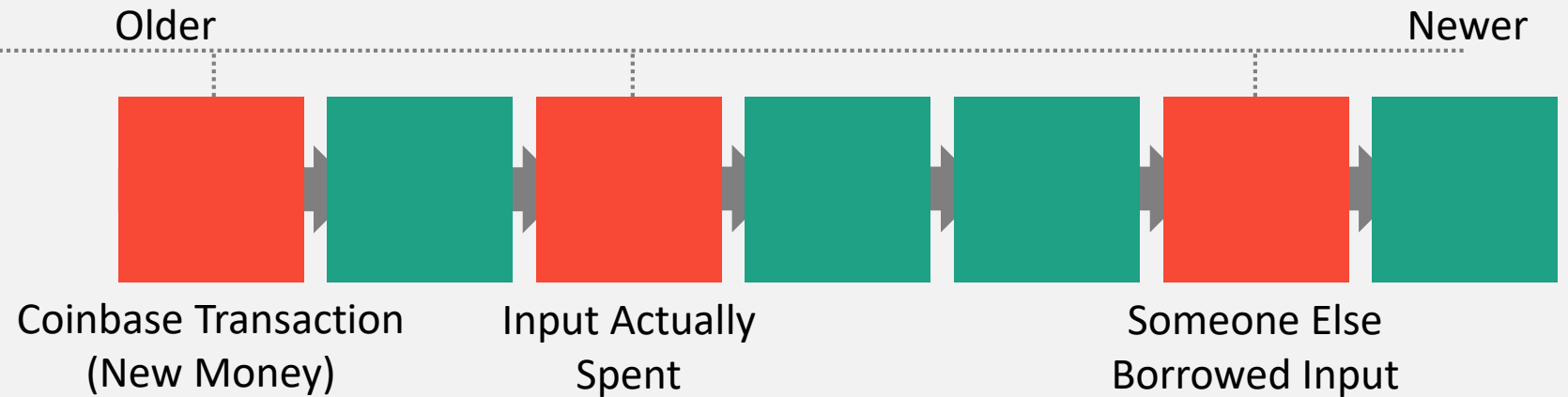
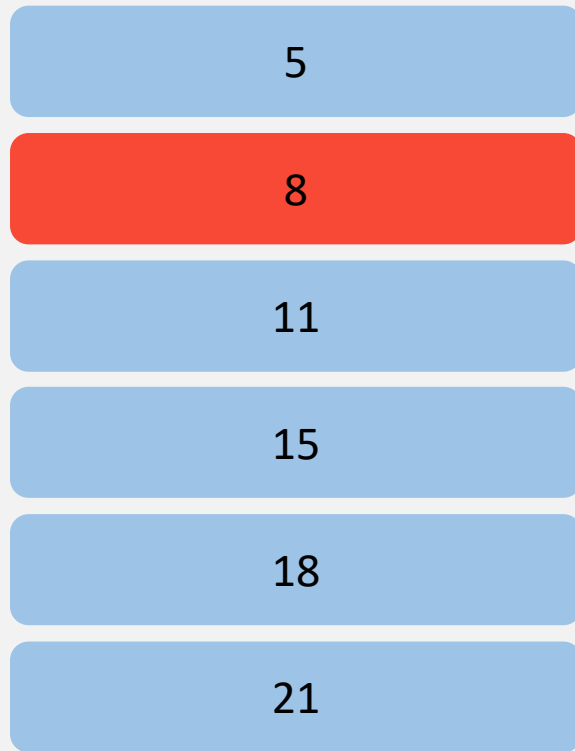


# Ring Signatures & RingCT



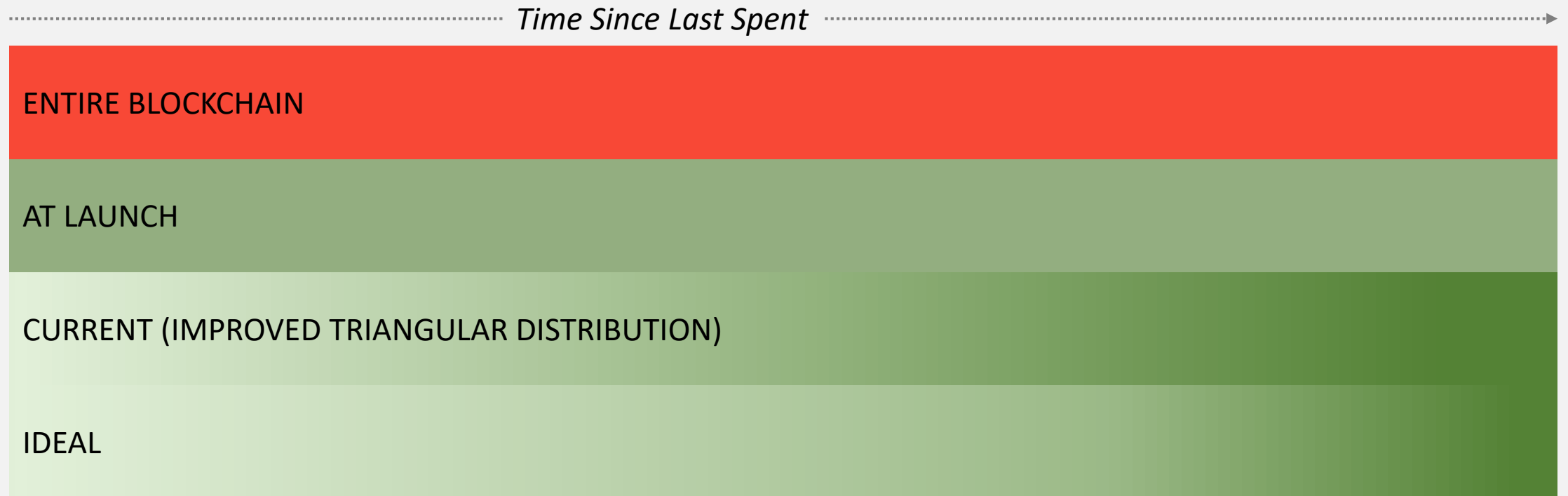
# Ring Signatures & RingCT

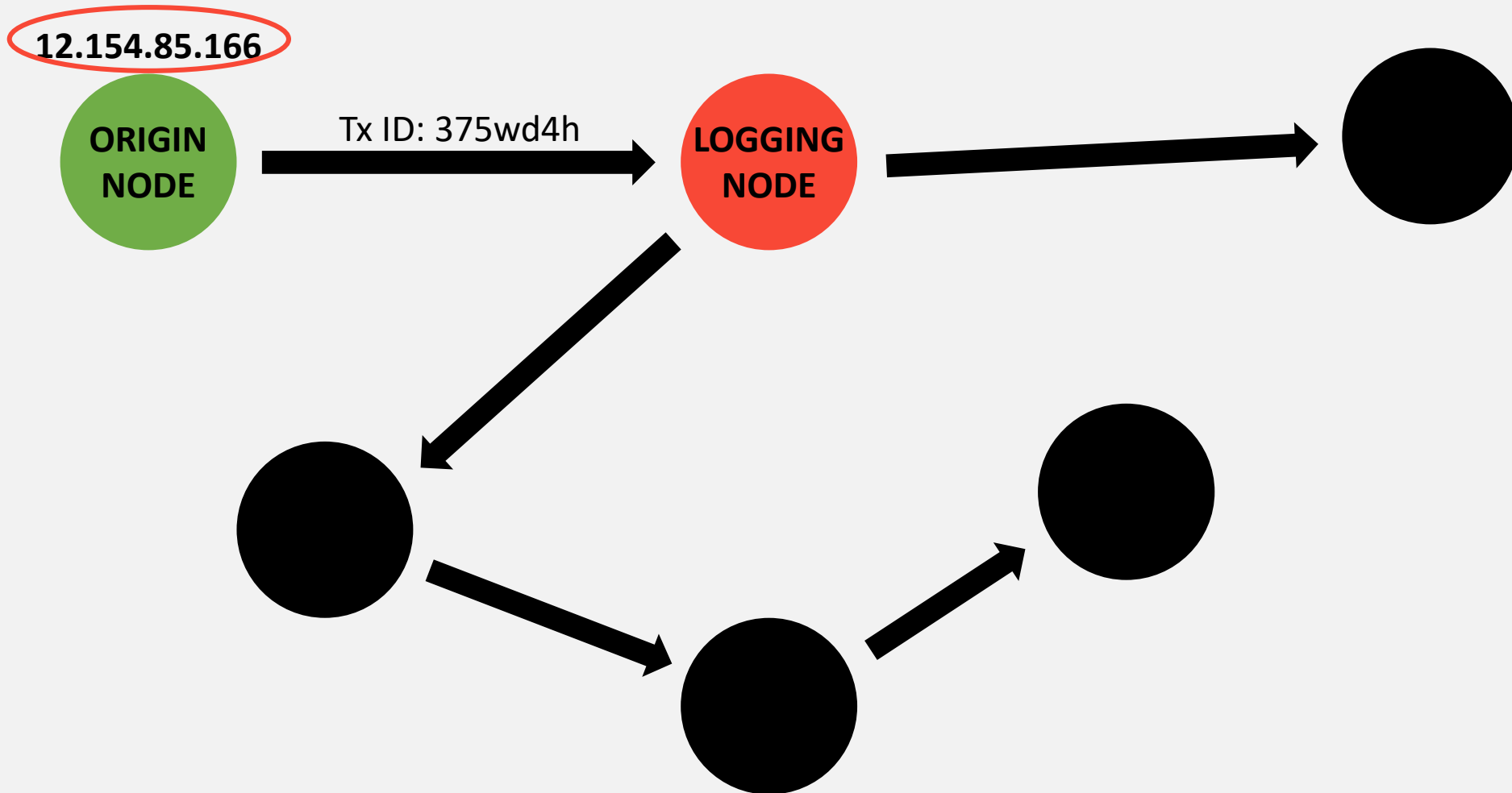
## INPUTS

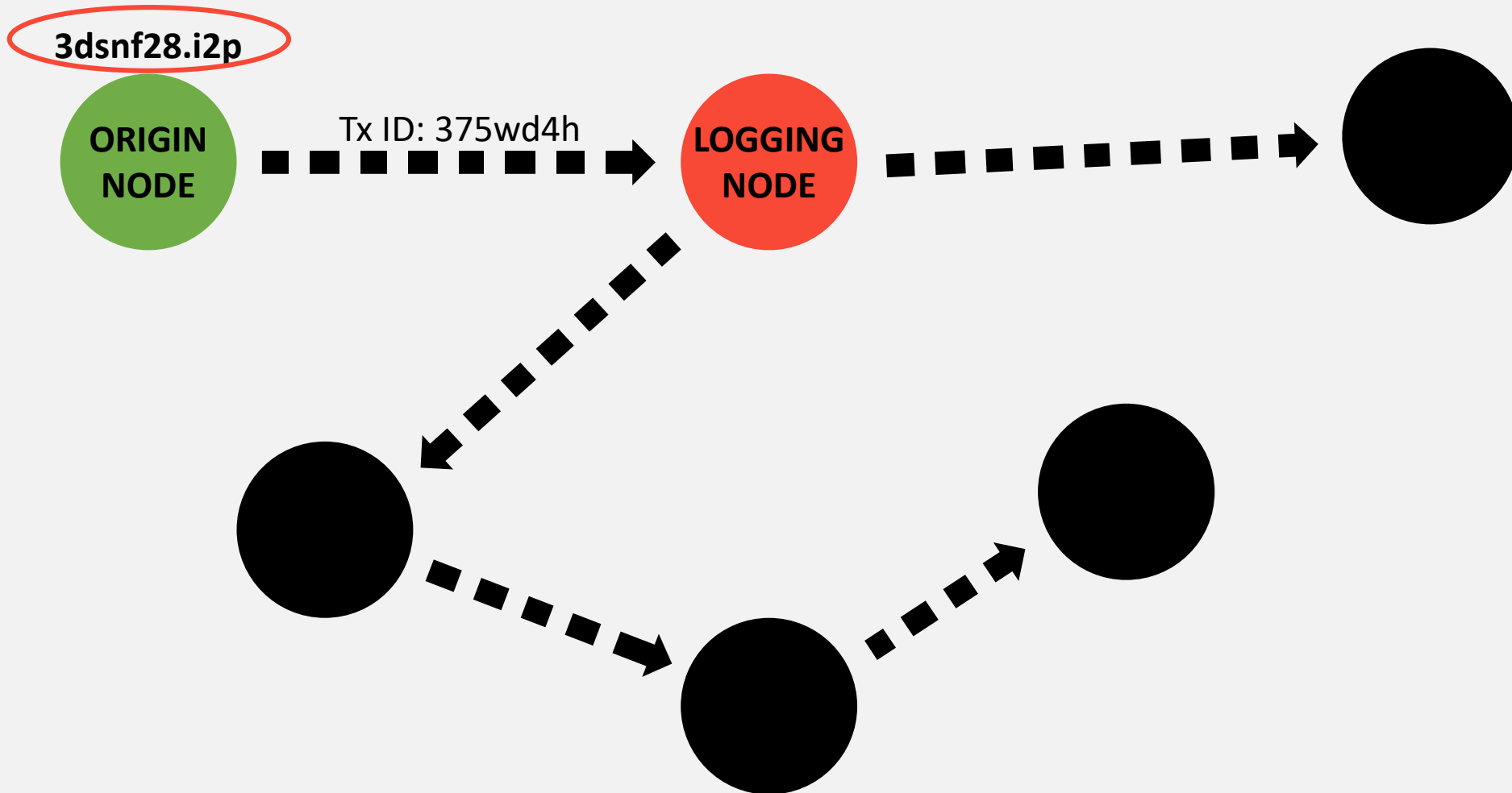




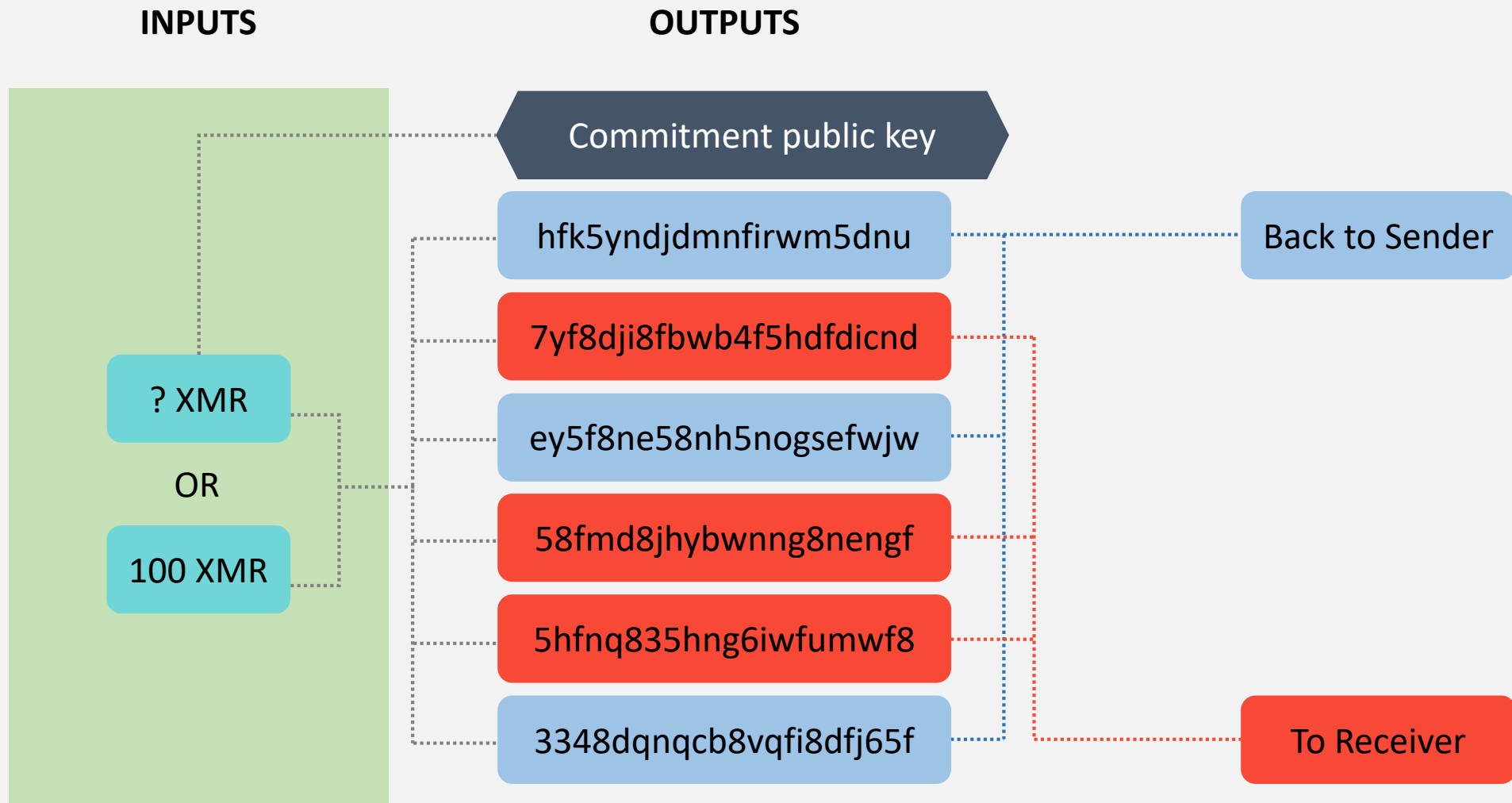
# How Inputs Are Selected



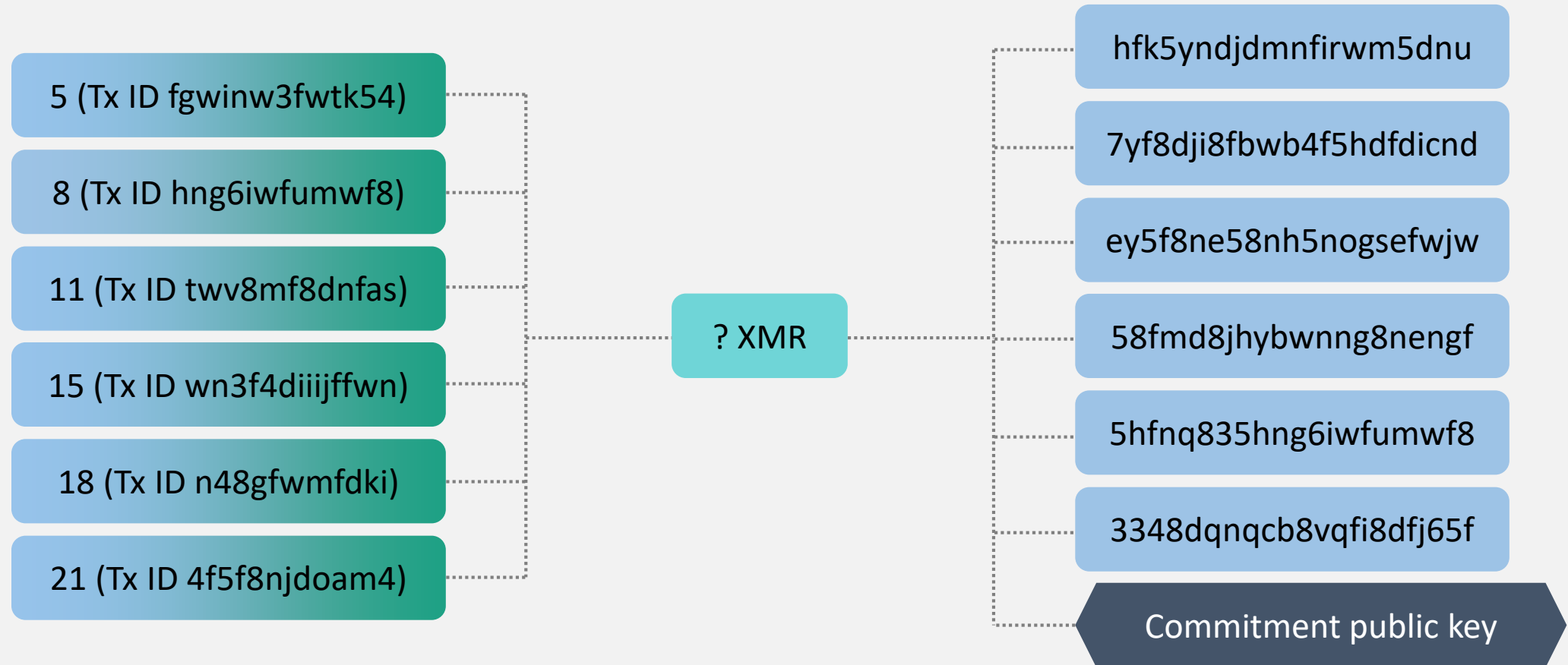




# Stealth Addresses



# Summary



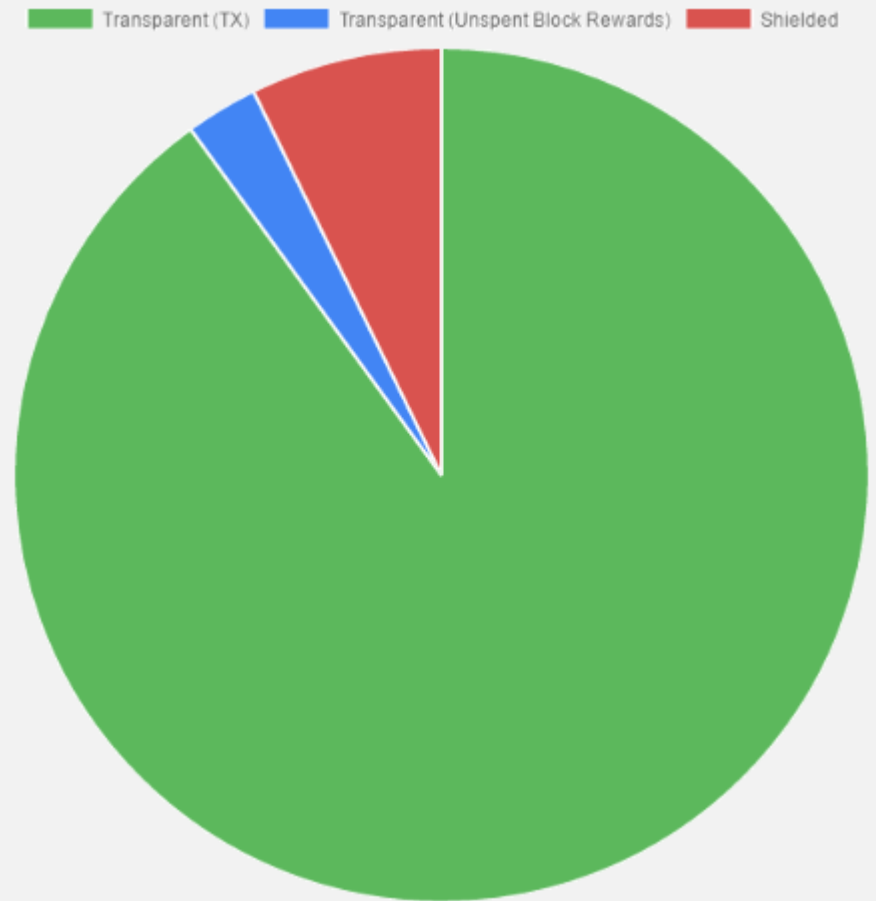


# Mandatory Privacy

## mixins used in transactions (%)

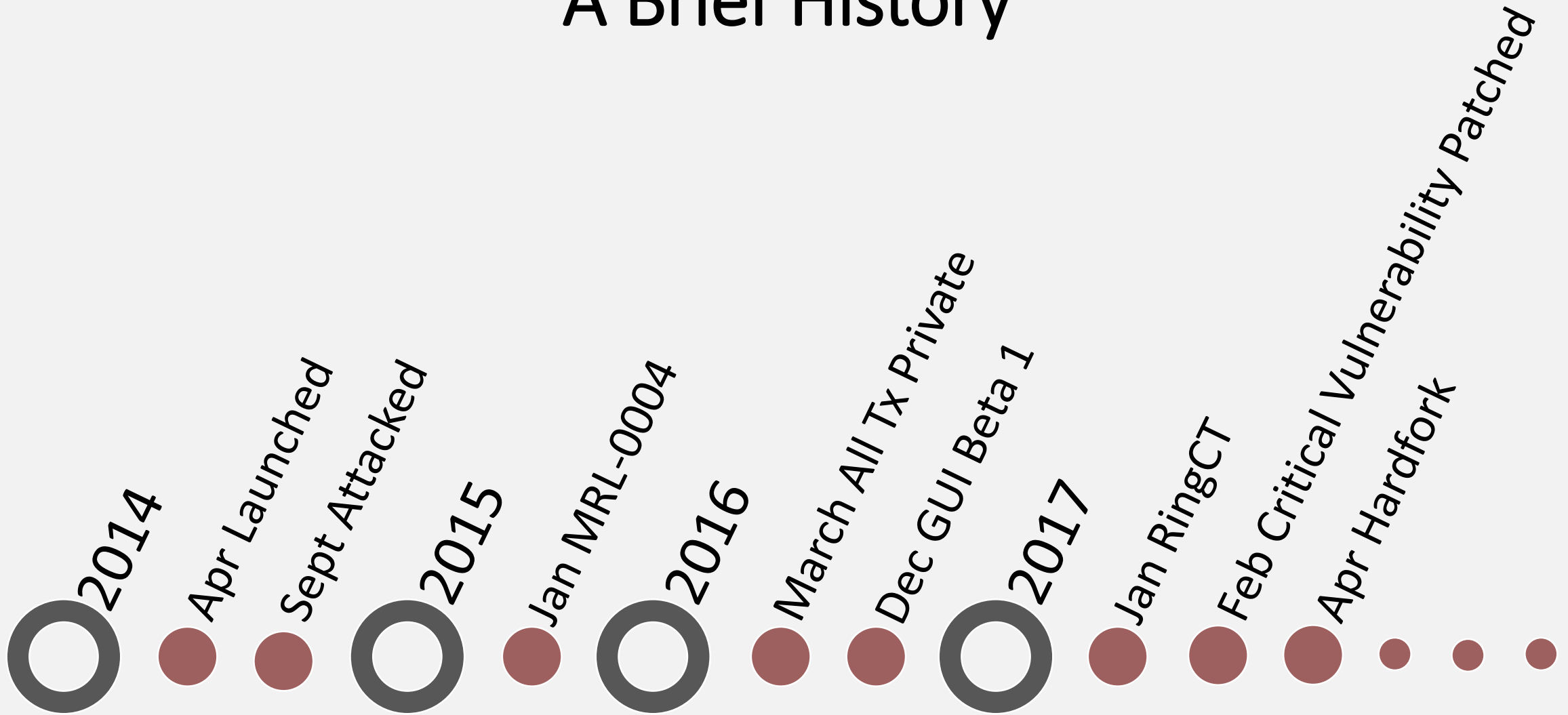
mixin:	none :(	1 - 2	3 - 9
last day	66.74	10.95	20.25
last week	66.11	6.96	24.76
last month	64.47	5.42	28.13
last year	73.04	7.36	18.16

Source: MoneroBlocks.info 24 Feb 2016

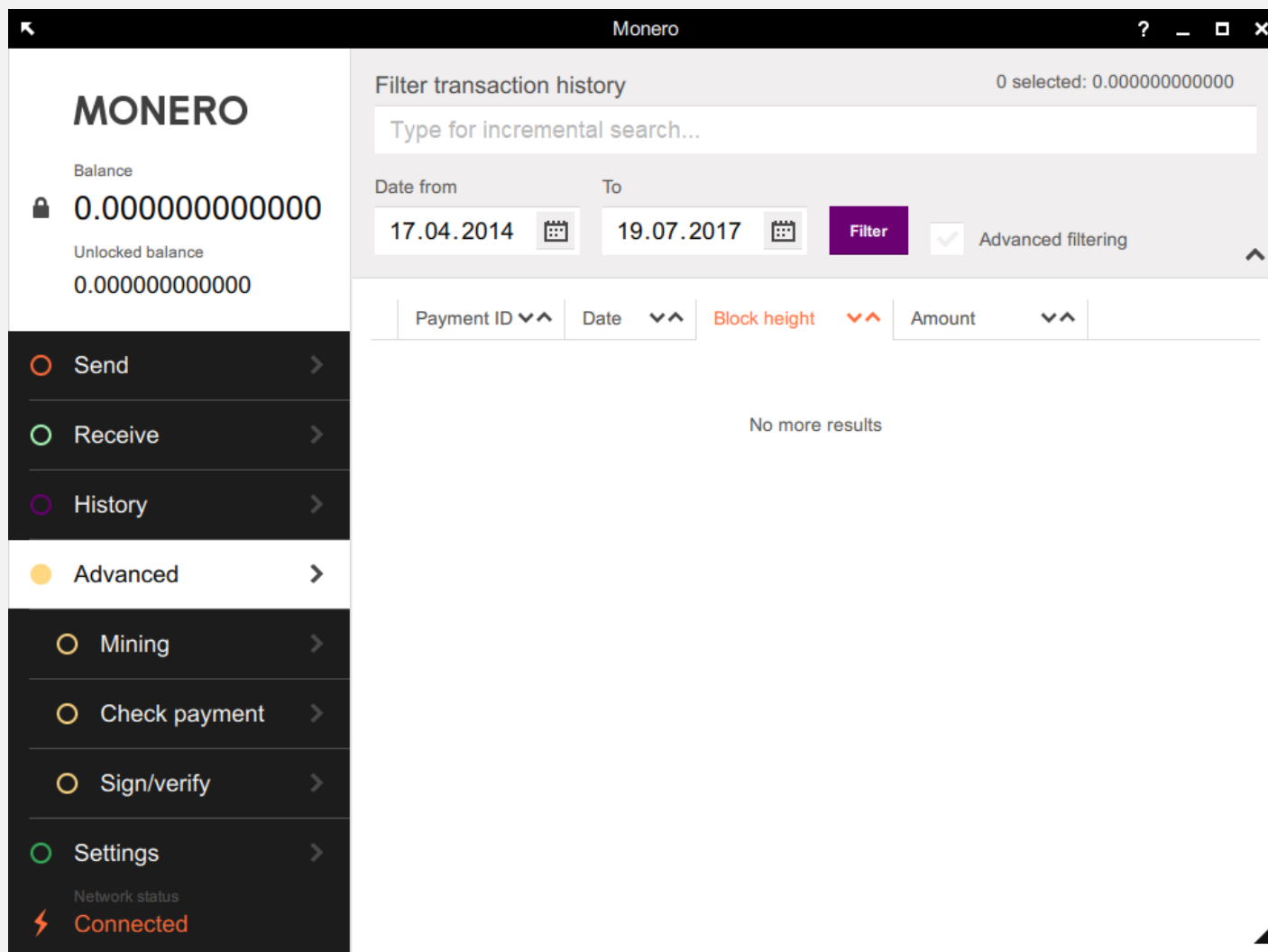


Source: zcha.in 15 March 2017

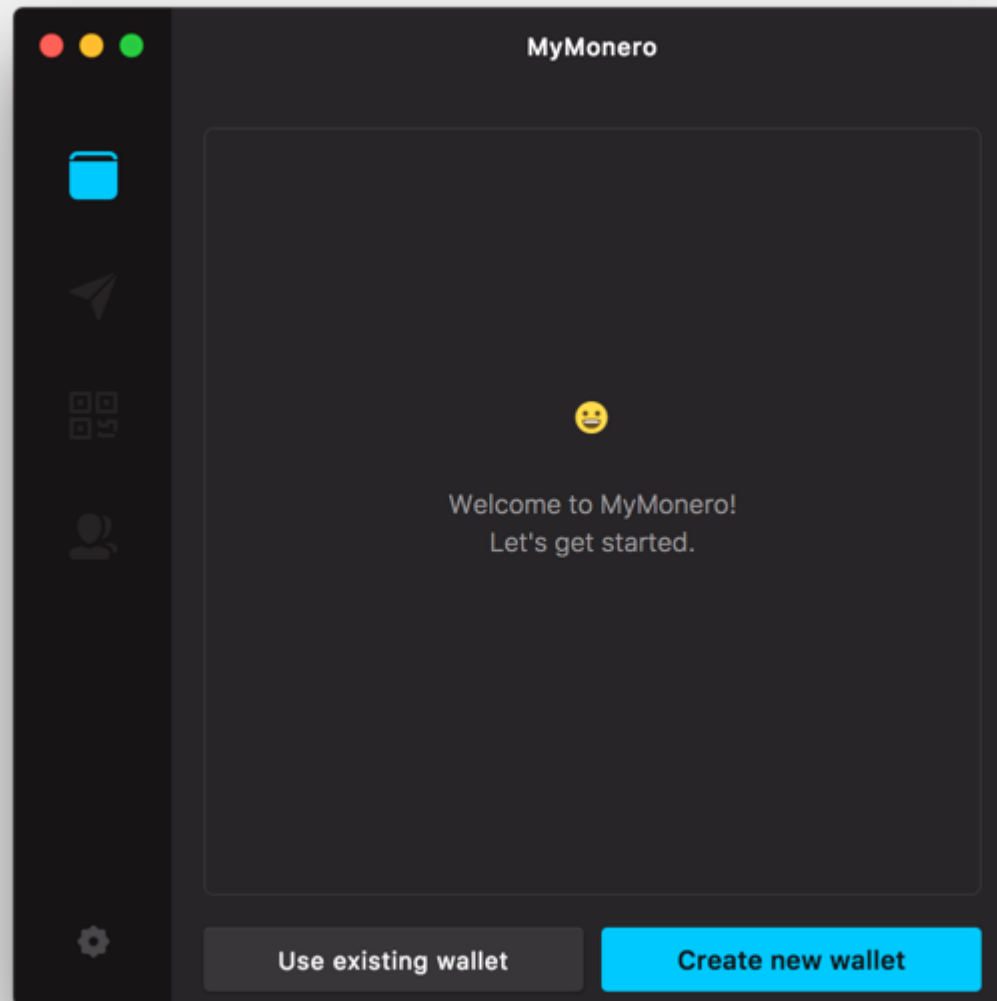
# A Brief History



# The Infamous GUI



# MyMonero Lightweight Wallet



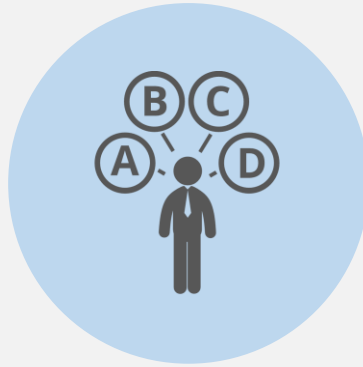
# Regulatory Compliance and Transparency

(with the View Key)



## Transparency

A view key is used to reveal all transactions for a Monero account, or just the key for a single transaction



## Selected Parties

View keys can be given to selected parties, or can be made public



## Charities

By publishing their view key, charities can invite easy public oversight

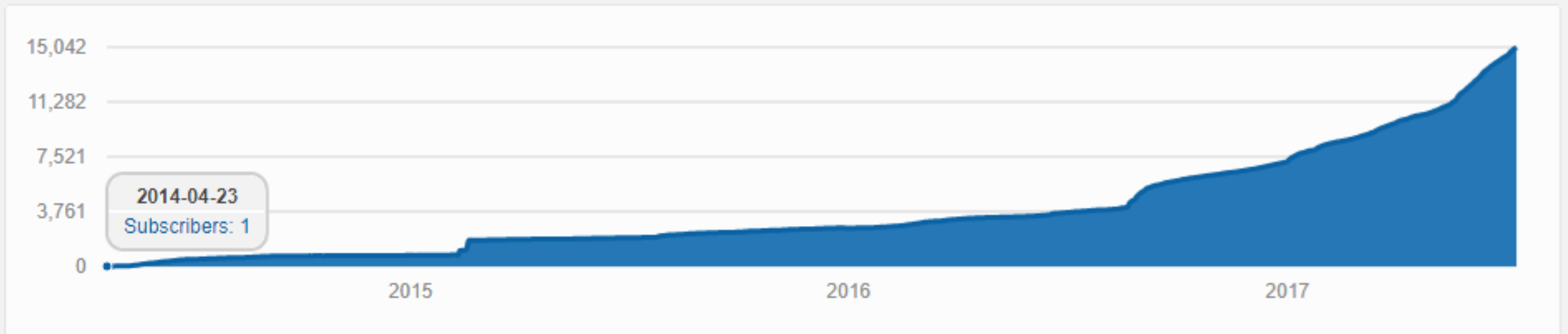


## Parents

Children can be given their own accounts, and parents can monitor their spending



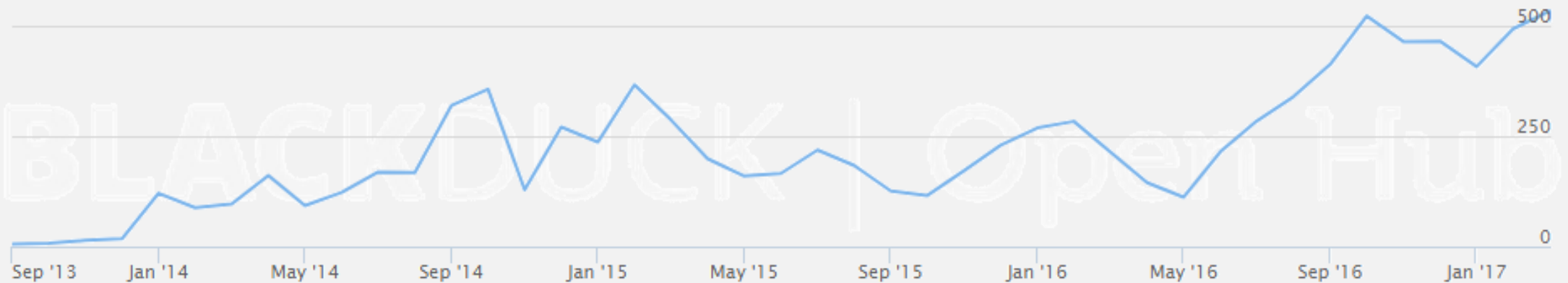
# Community Growth



# Community Growth

Commits per Month

Zoom 1yr 3yr All



# XMR.TO – Pay Bitcoin Addresses with Monero

XMR.TO  
Pay any Bitcoin address. Truly anonymously.

CREATETRACKFAQAPI

TRACK YOUR ORDER STATUS

Your secret key

xmrto-66429D

Important: save the secret key to track the status of your order.

Order summary

Send 1 BTC to 1GwV7fPX97hmavc6iNrUZUogmjprPFoE.  
This order amounts to 60.55 XMR.

Your personal rate is  
0.01651528 BTC/XMR.

Current status

Please pay your order in the next:

14 MINUTES, AND 49 SECONDS

# Thank You!



**[getmonero.org](http://getmonero.org)**



**[/r/Monero](https://www.reddit.com/r/Monero)**



**[monero.stackexchange.com](https://monero.stackexchange.com)**