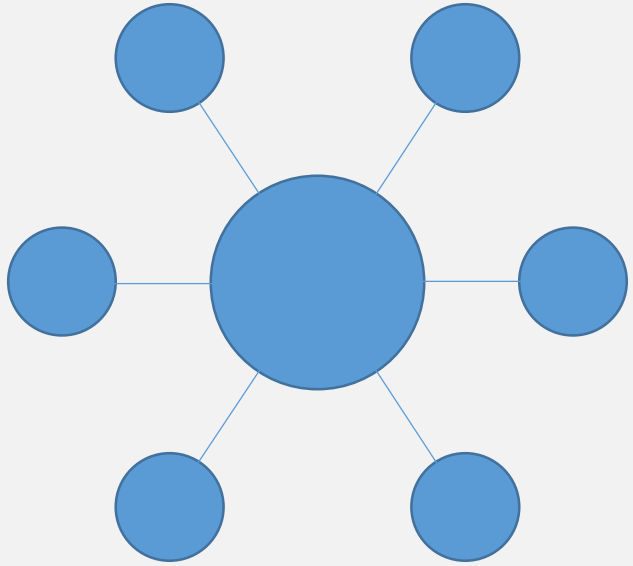
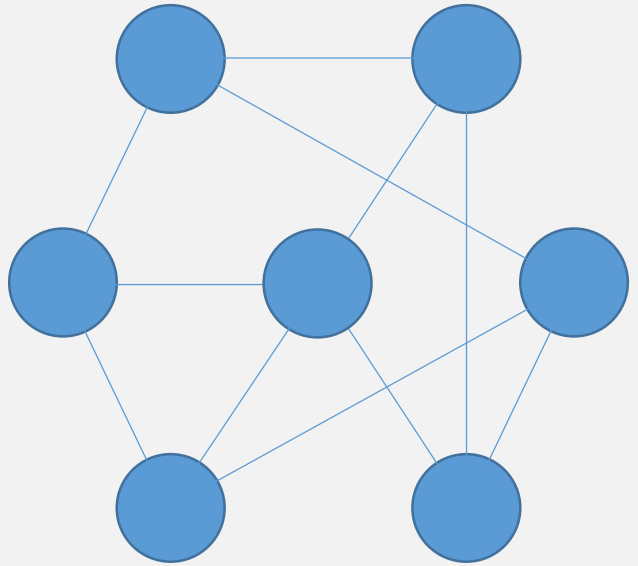
SAFE MONEY FOR EVERYONE
MONERO

Centralized vs. Decentralized Systems

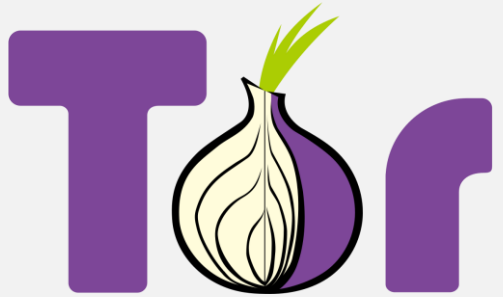


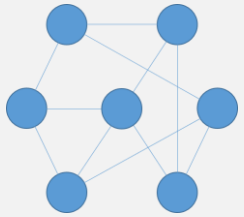
CENTRALIZED



DECENTRALIZED

A History of Decentralized Systems

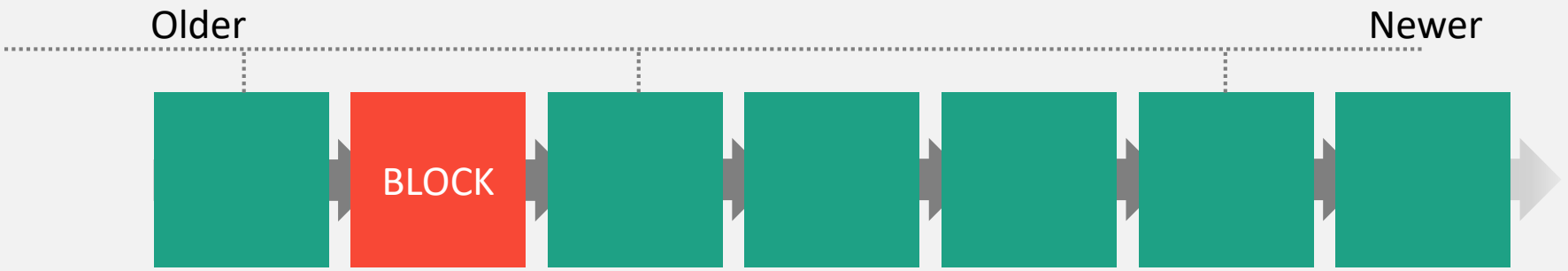




DECENTRALIZED

What is Bitcoin?

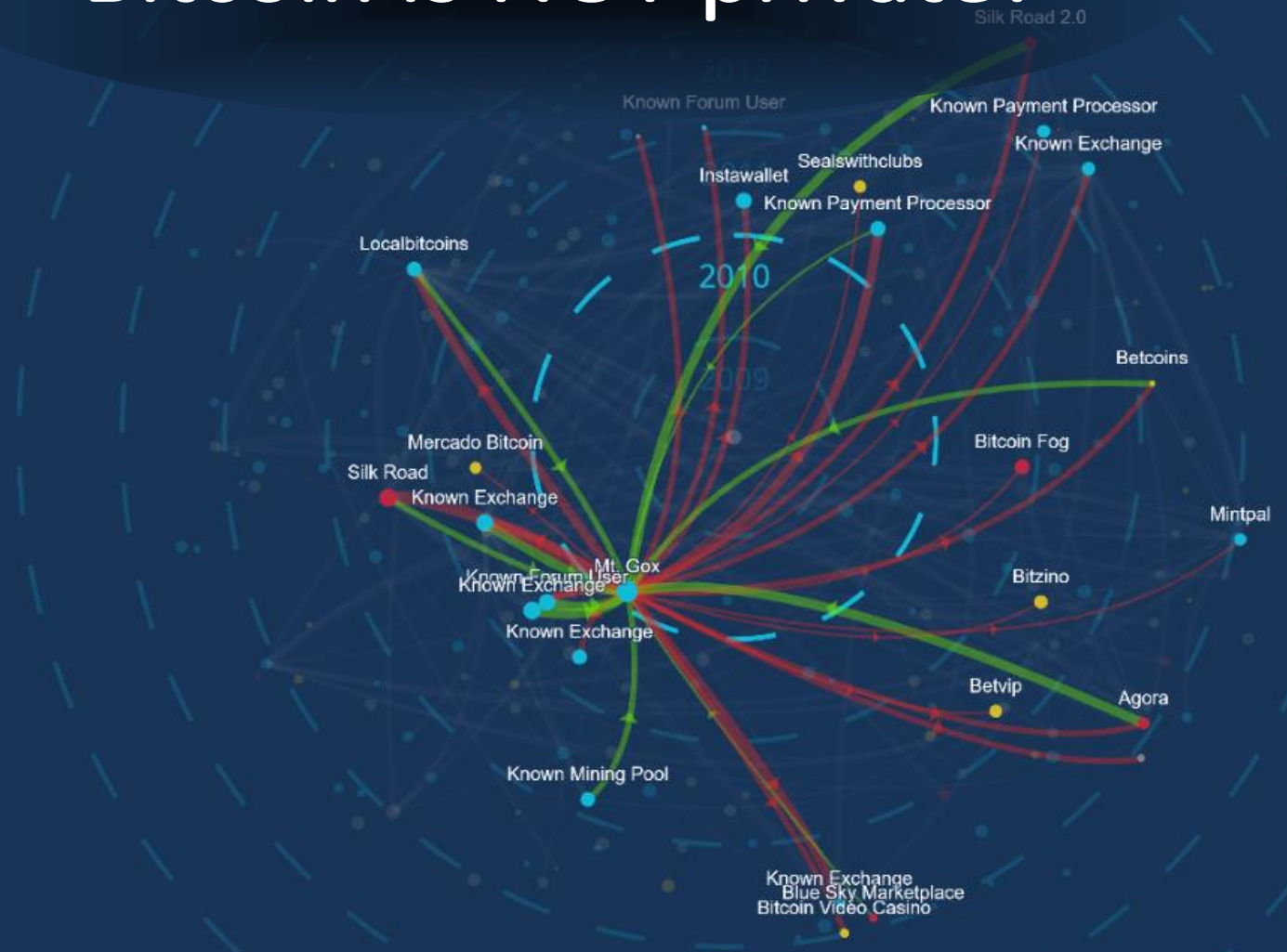
bitcoin



Tx ID: wgis85cissajr5da7wz3fcnqnhift
Sender: w3fn5ujfm3d3r975qjd35jrwd4k5q
Receiver: nftic5k8sf4j598wf357jw38956659
Amount: 10 BTC

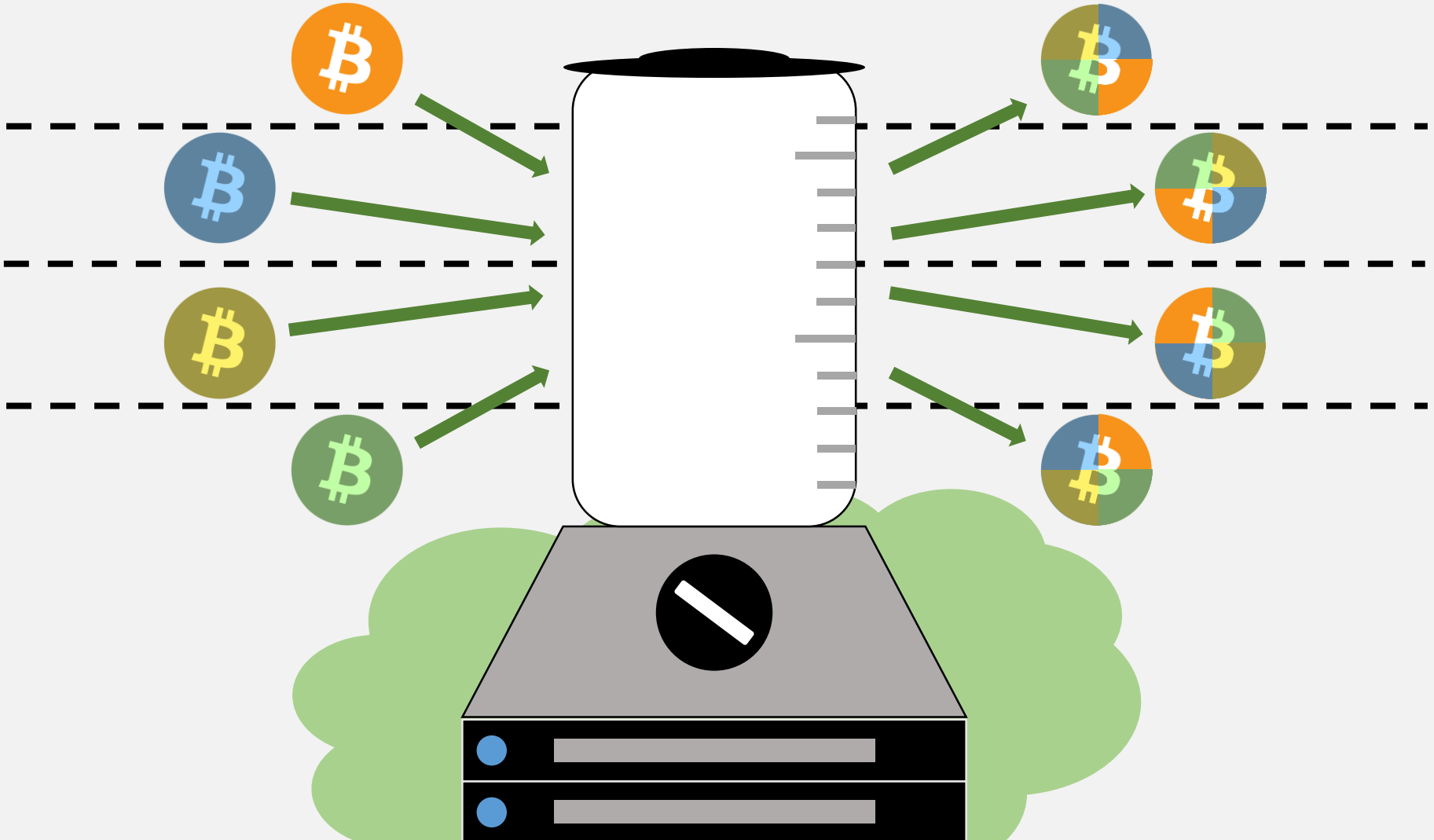
THE BITCOIN
BIG BANG

Bitcoin is NOT private!

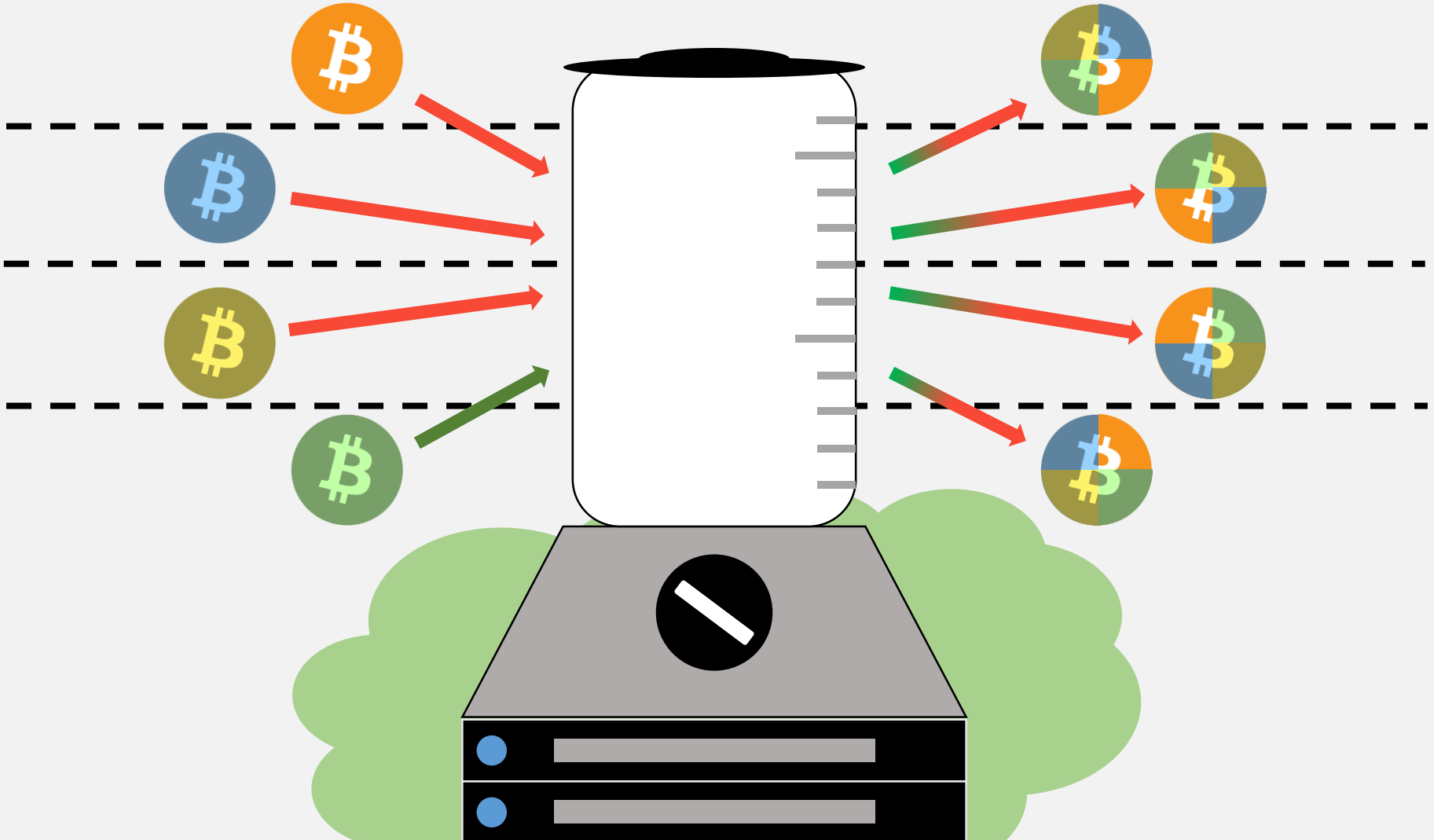


ELLIPTIC

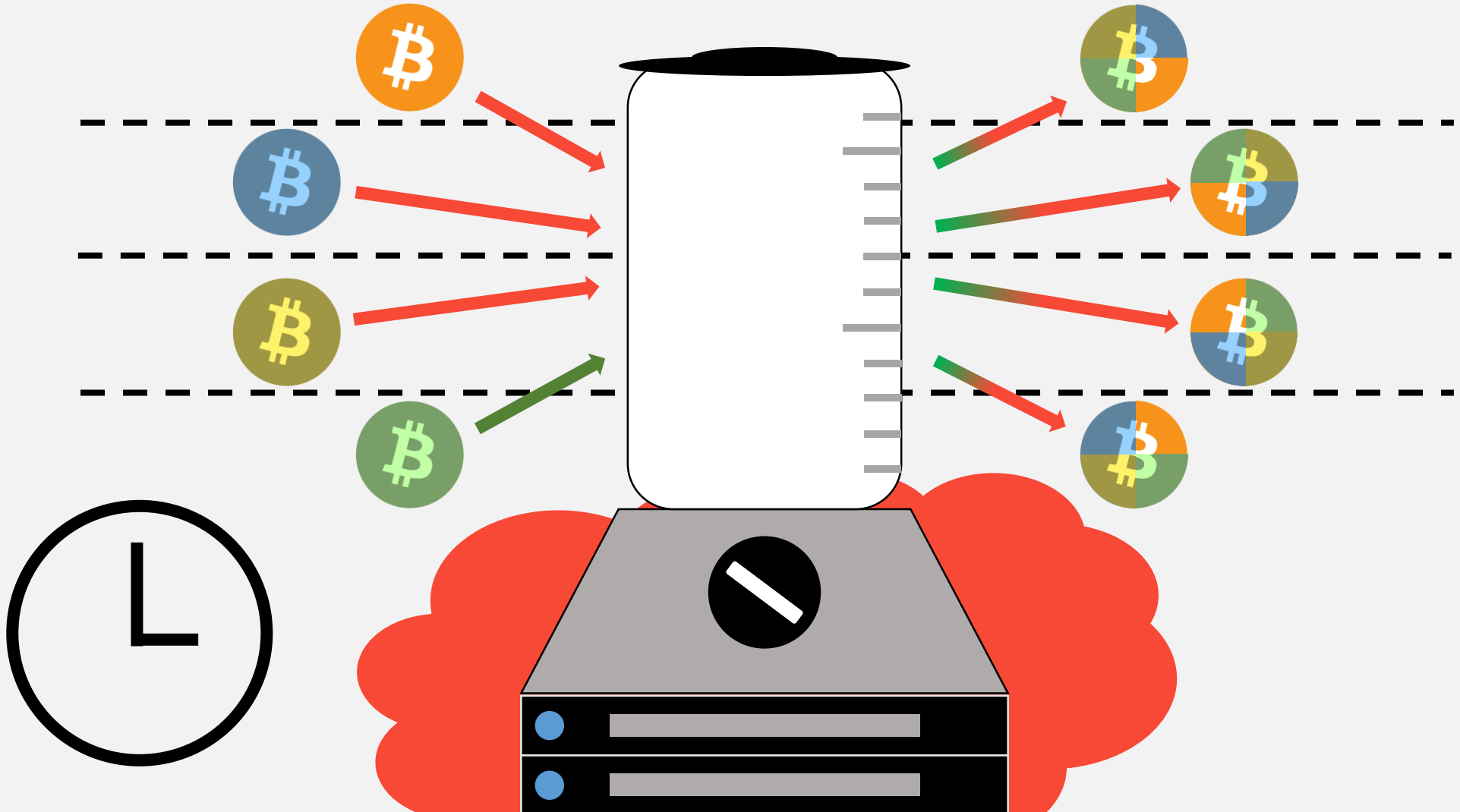
People Started Adding Tools to Bitcoin



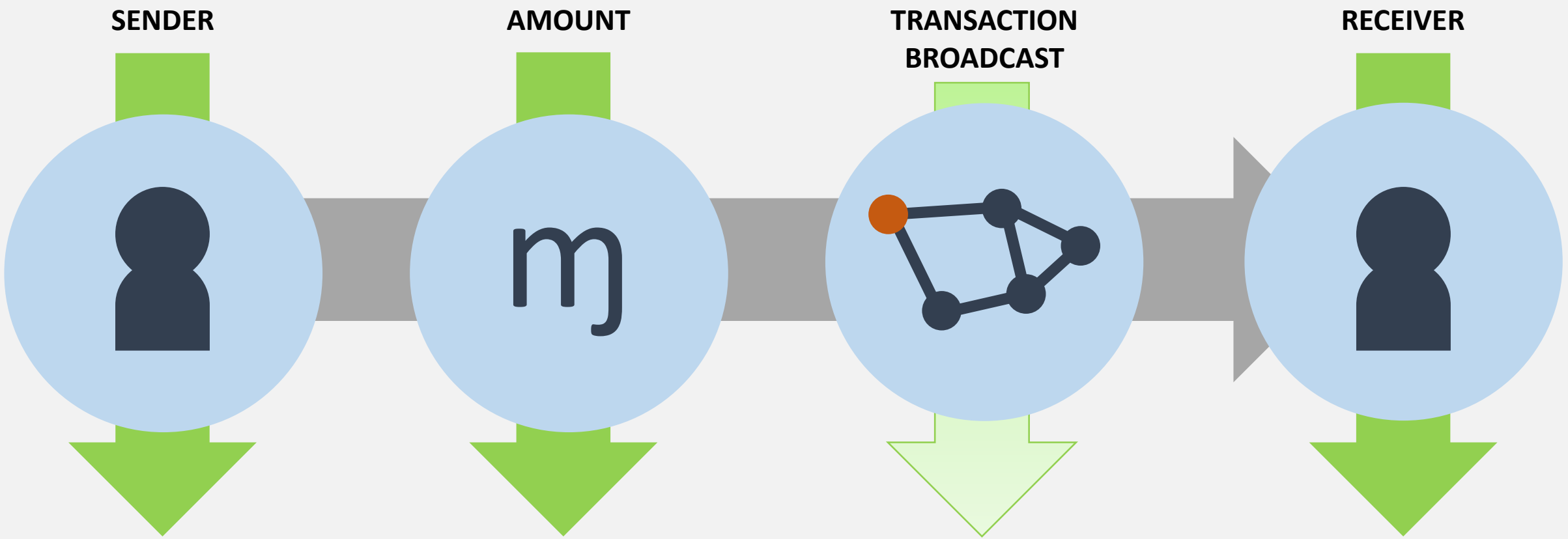
People Started Adding Tools to Bitcoin



People Started Adding Tools to Bitcoin

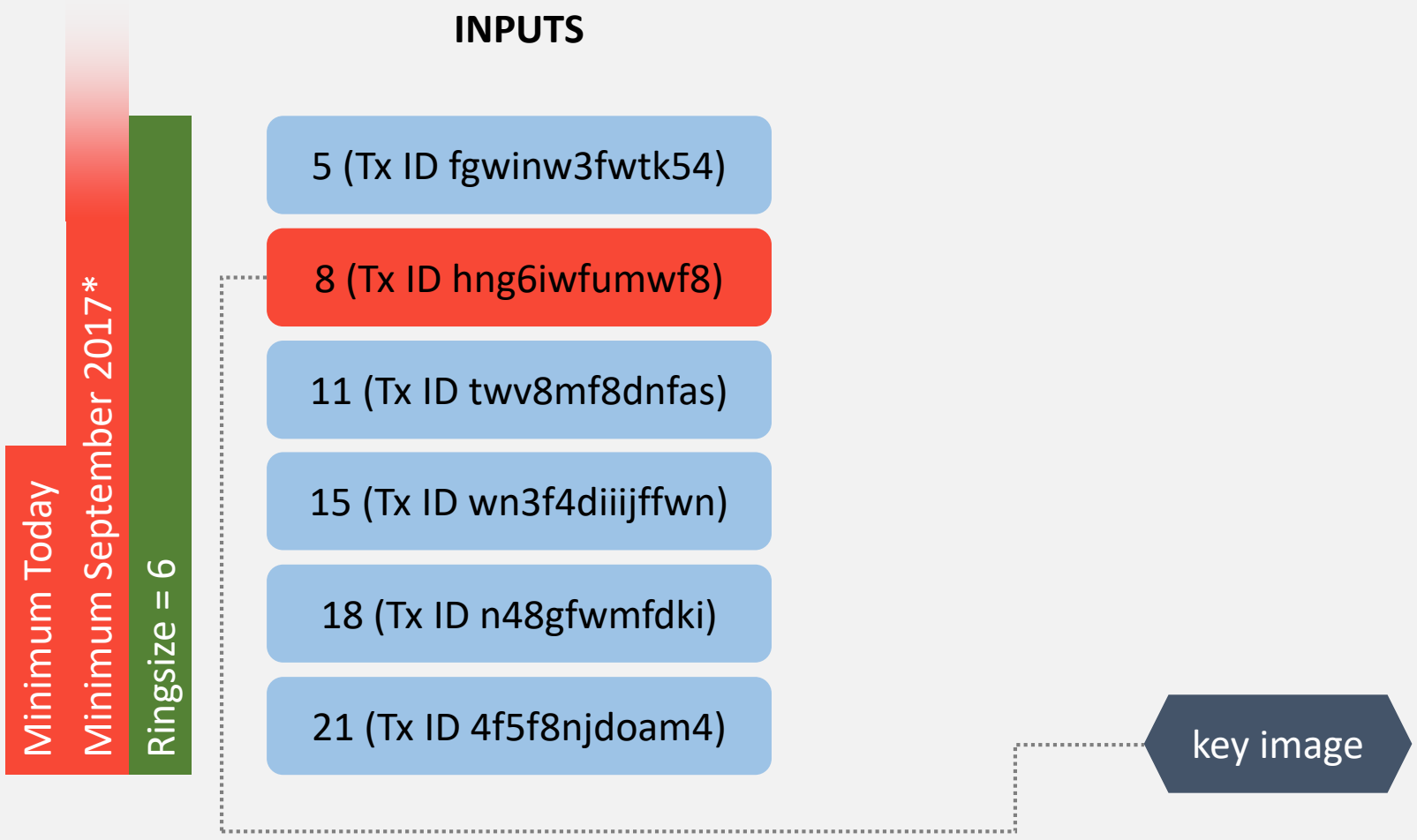


The Monero Difference

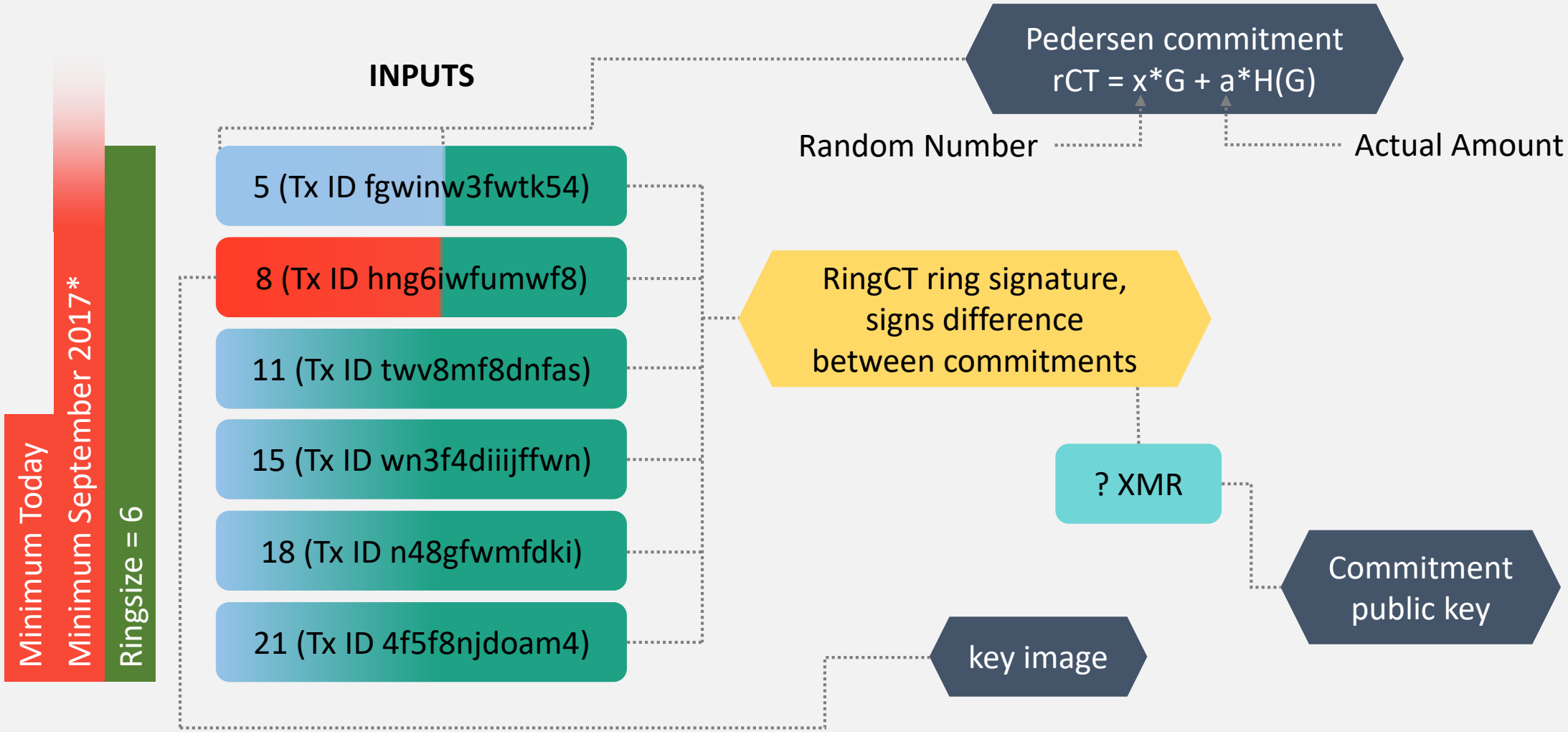


Ring Signatures & RingCT

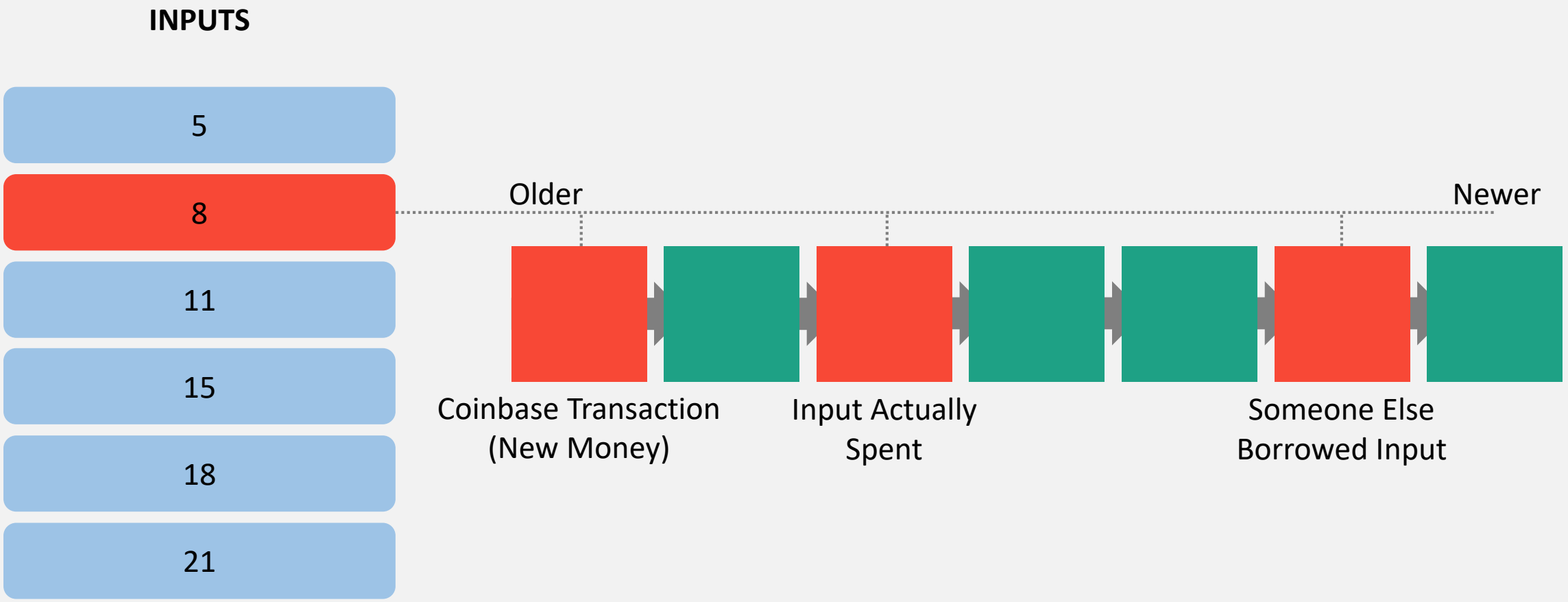
Ring Signatures & RingCT



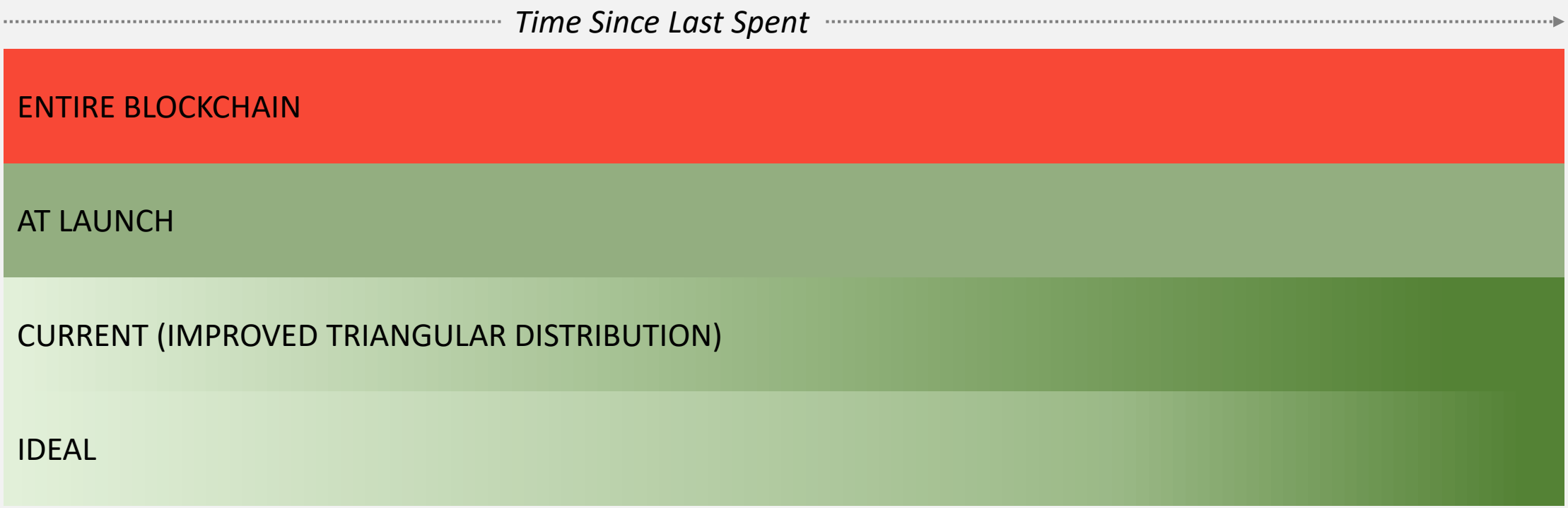
Ring Signatures & RingCT



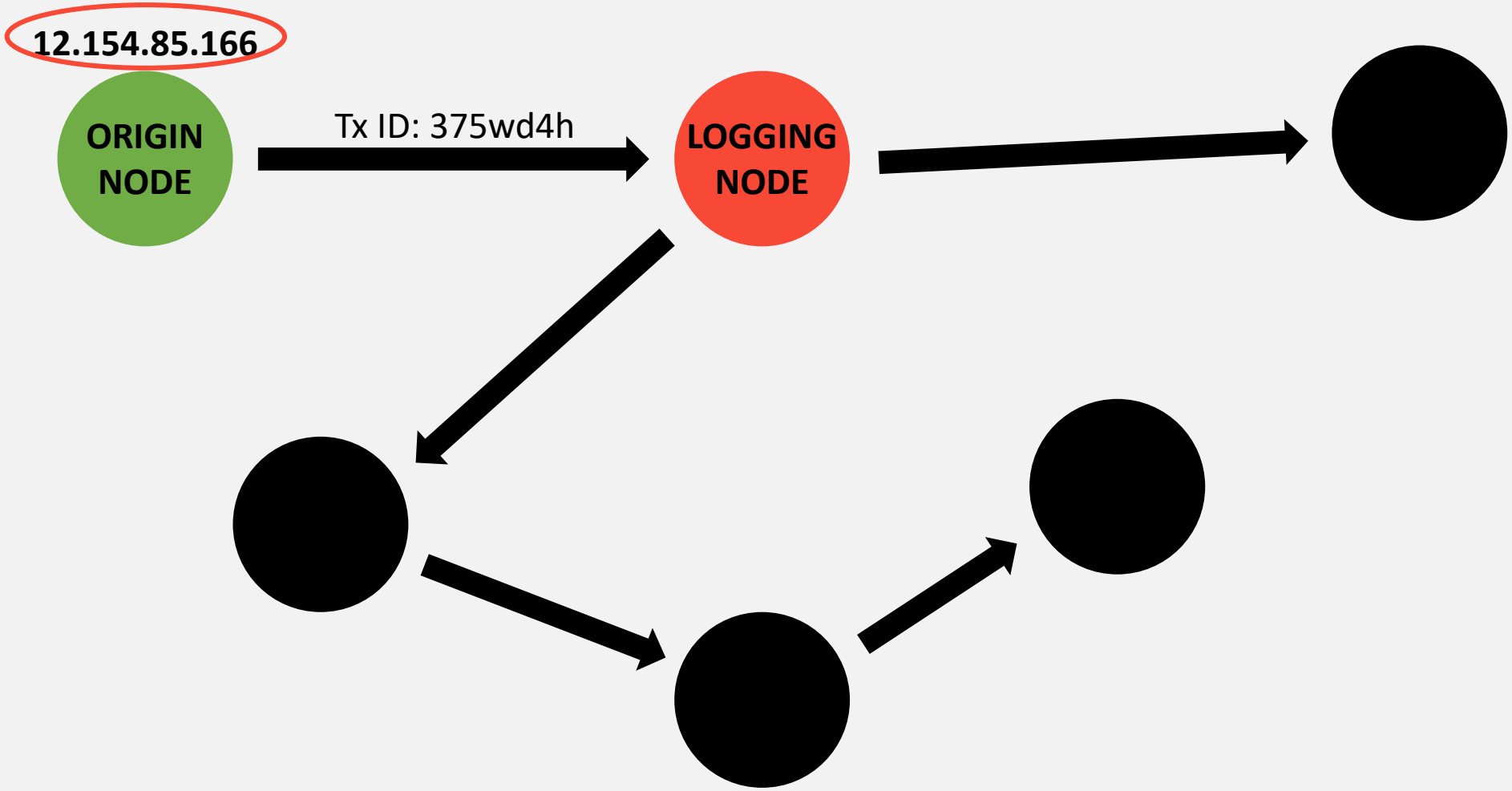
Ring Signatures & RingCT



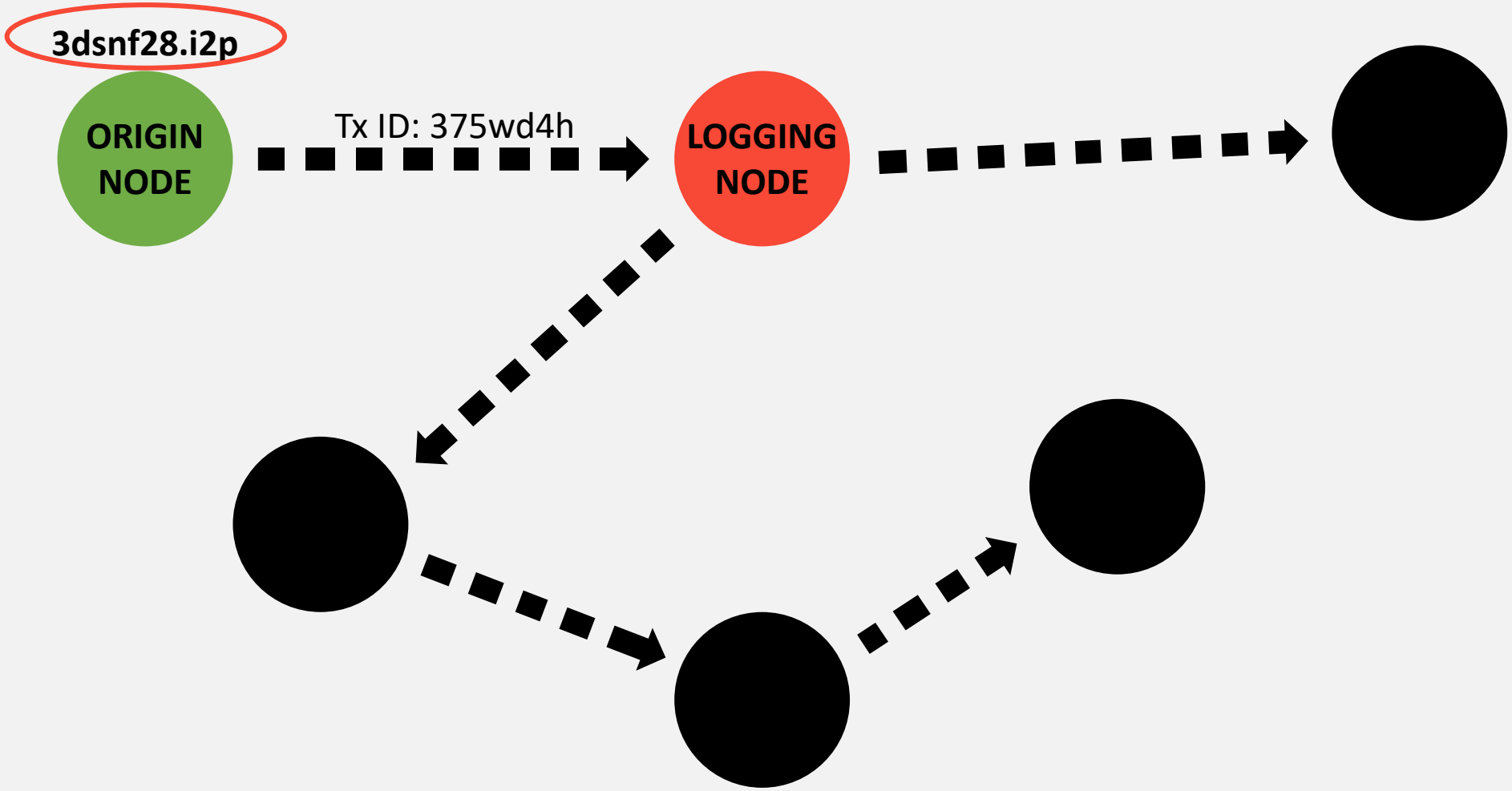
How Inputs Are Selected



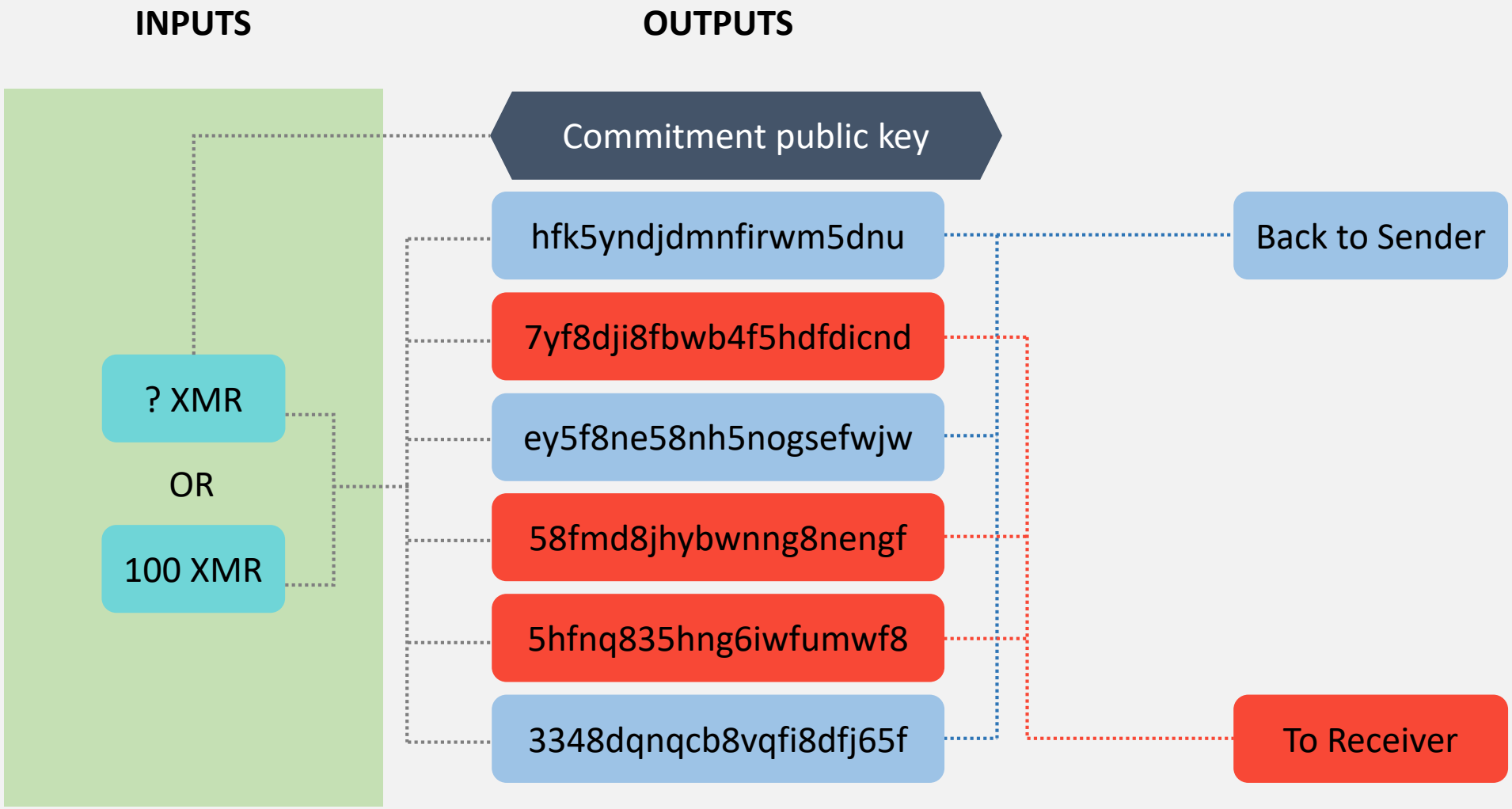
KOVRI



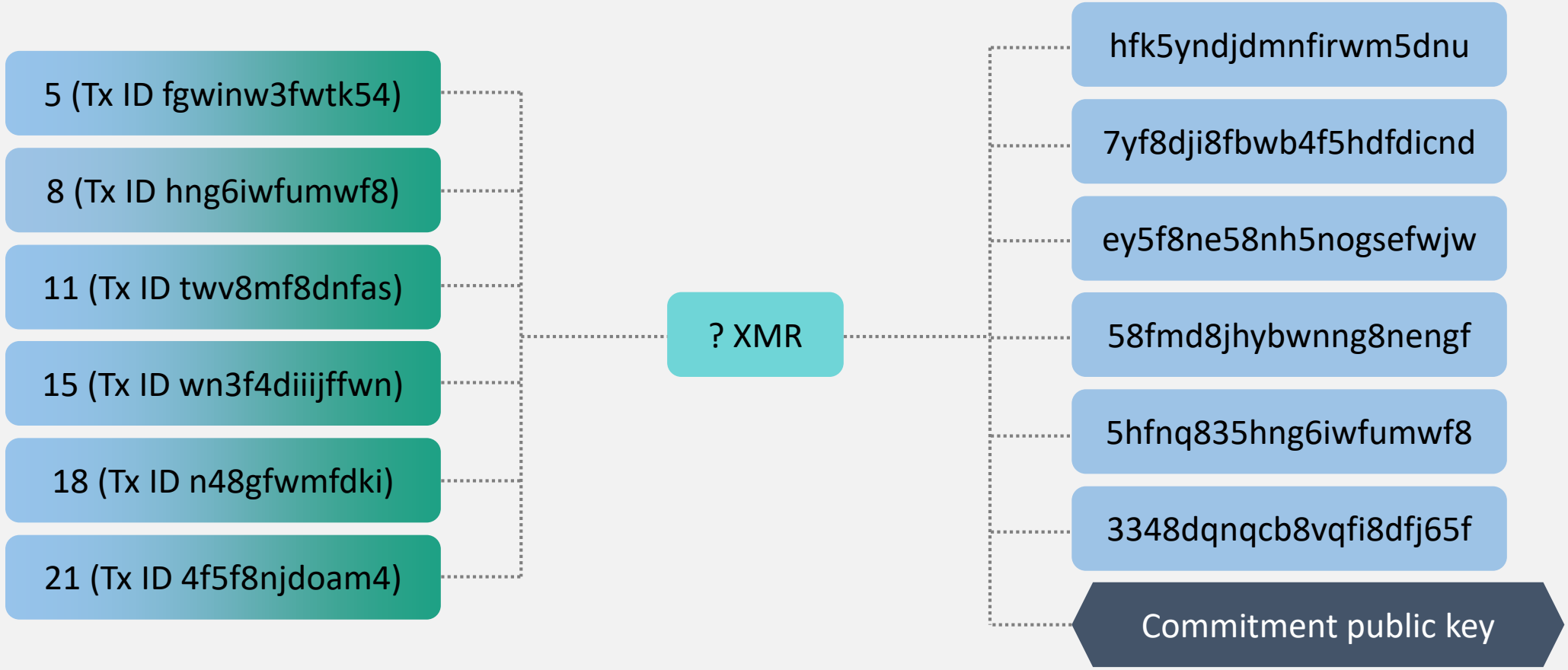
KOVRI



Stealth Addresses



Summary

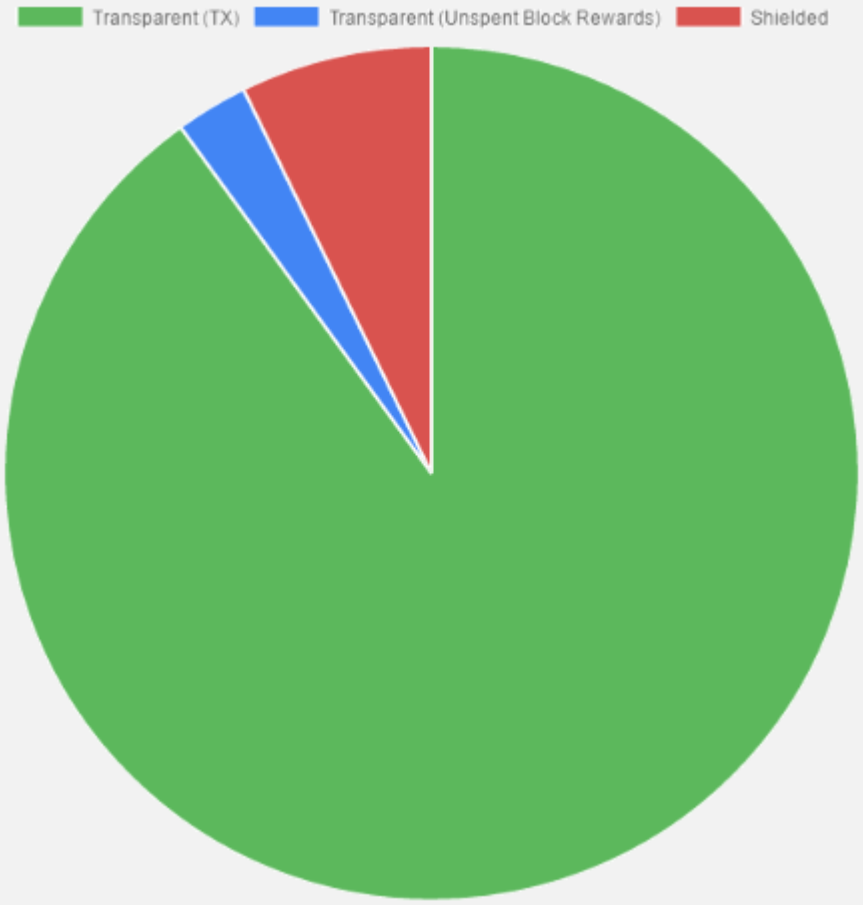

5 (Tx ID fgwinw3fwtk54)
8 (Tx ID hng6iwfumwf8)
11 (Tx ID twv8mf8dnfas)
15 (Tx ID wn3f4diiijffwn)
18 (Tx ID n48gfwmfdki)
21 (Tx ID 4f5f8njdoam4)
? XMR
hfk5yndjdmnfirwm5dnu
7yf8dji8fbwb4f5hdfdicnd
ey5f8ne58nh5nogsefwjw
58fmd8jhybwnng8nengf
5hfnq835hng6iwfumwf8
3348dqnqcb8vqfi8dfj65f
Commitment public key

Mandatory Privacy

mixins used in transactions (%)

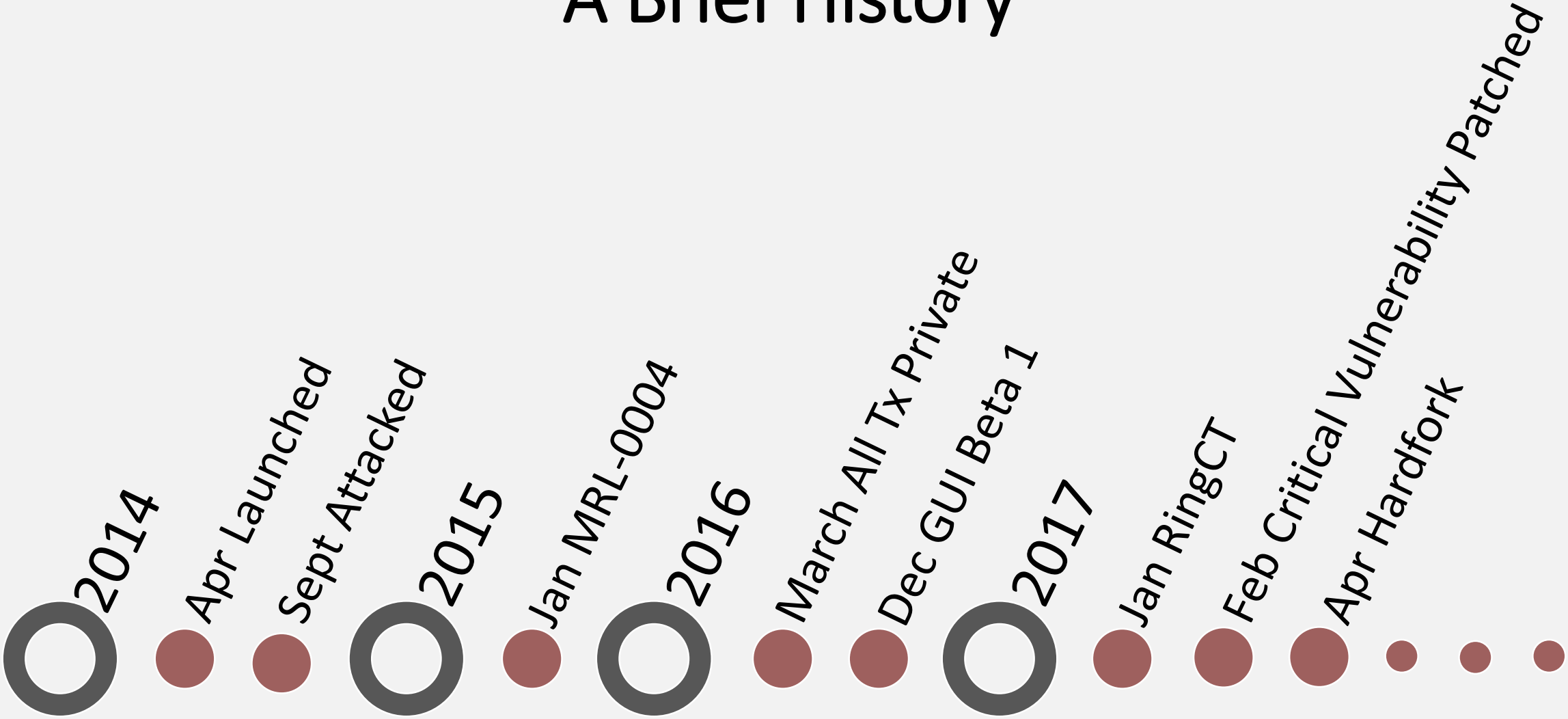
mixin:	none :(	1 - 2	3 - 9
last day	66.74	10.95	20.25
last week	66.11	6.96	24.76
last month	64.47	5.42	28.13
last year	73.04	7.36	18.16

Source: MoneroBlocks.info 24 Feb 2016



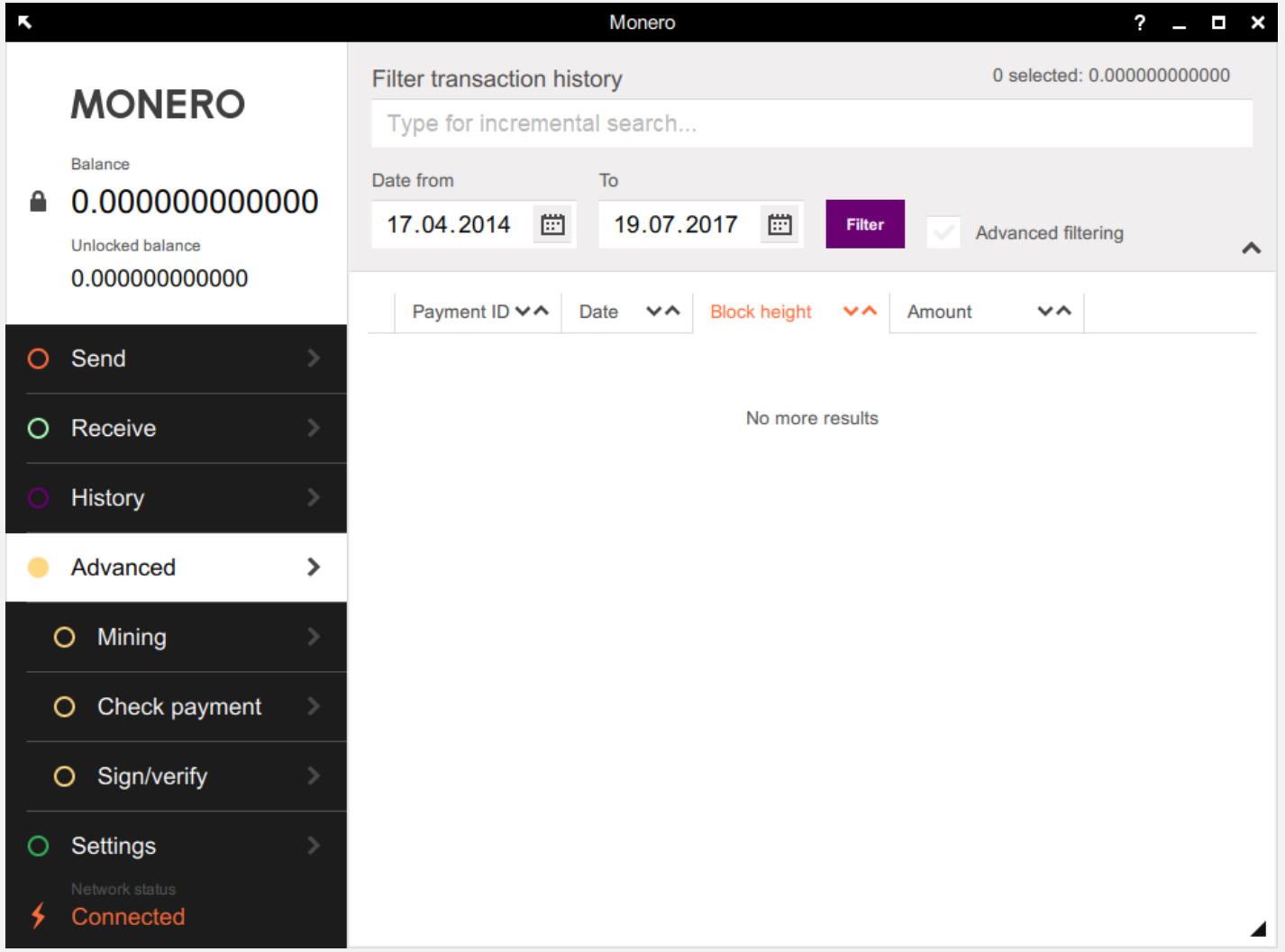
Source: zcha.in 15 March 2017

A Brief History

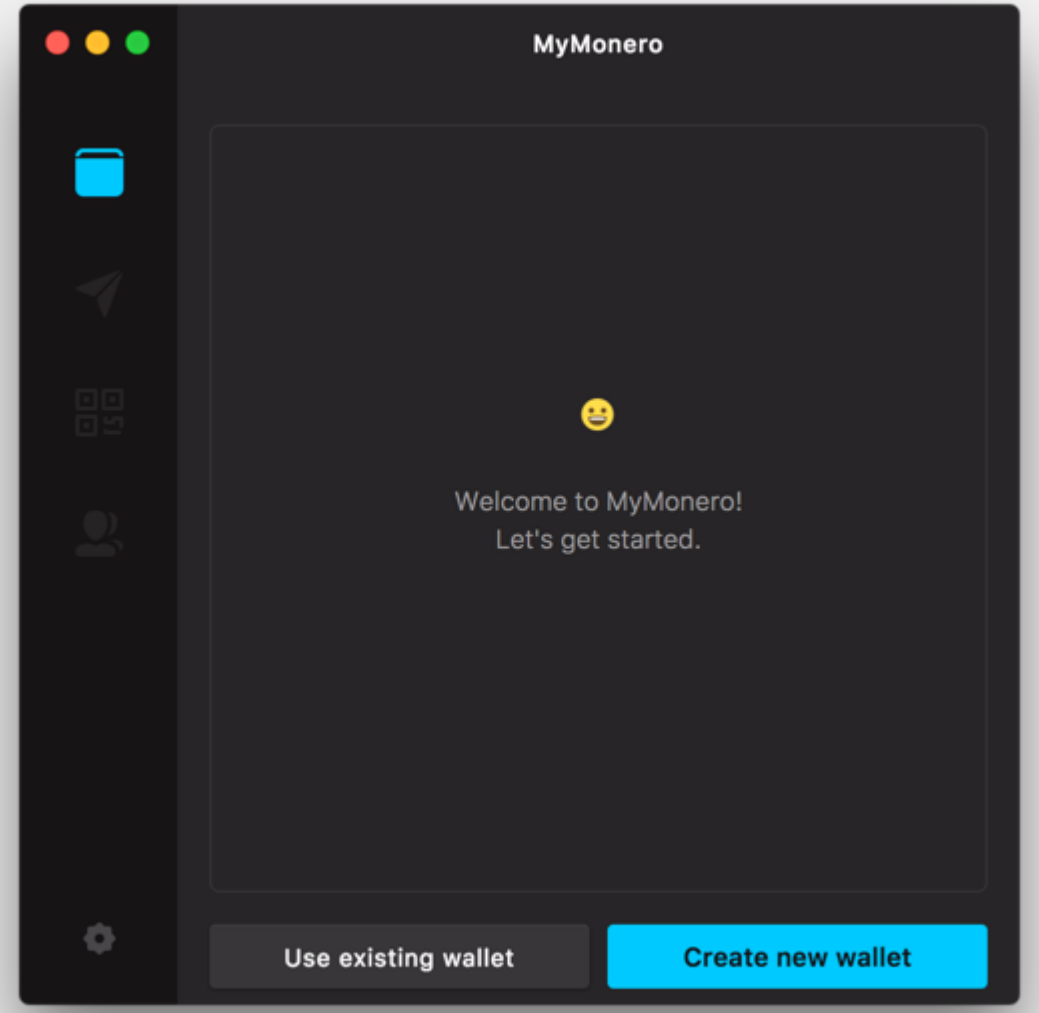


Adapted from Scott Anecito's Presentation

The Infamous GUI



MyMonero Lightweight Wallet

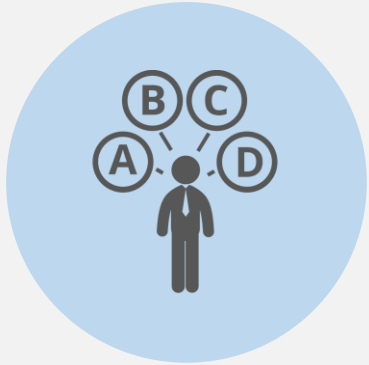


Regulatory Compliance and Transparency

(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

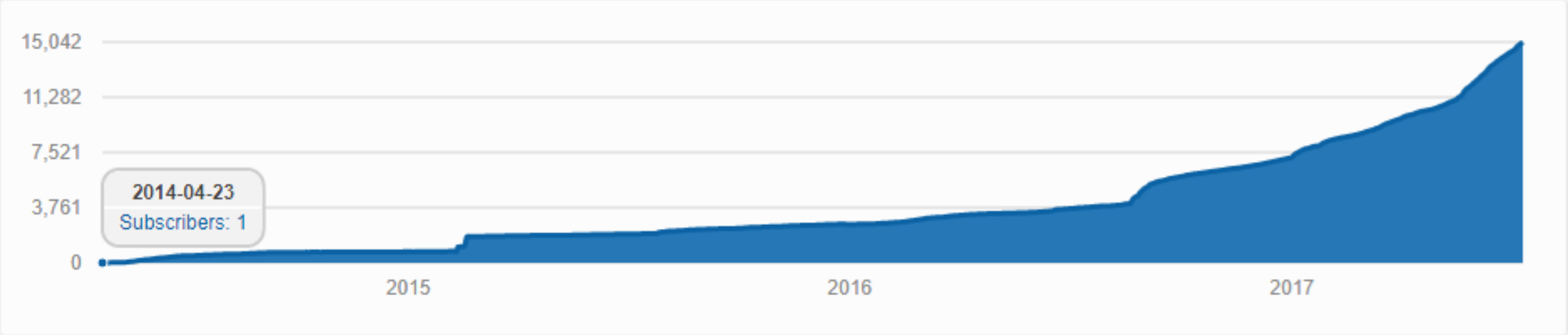
By publishing their view key, charities can invite easy public oversight

Parents

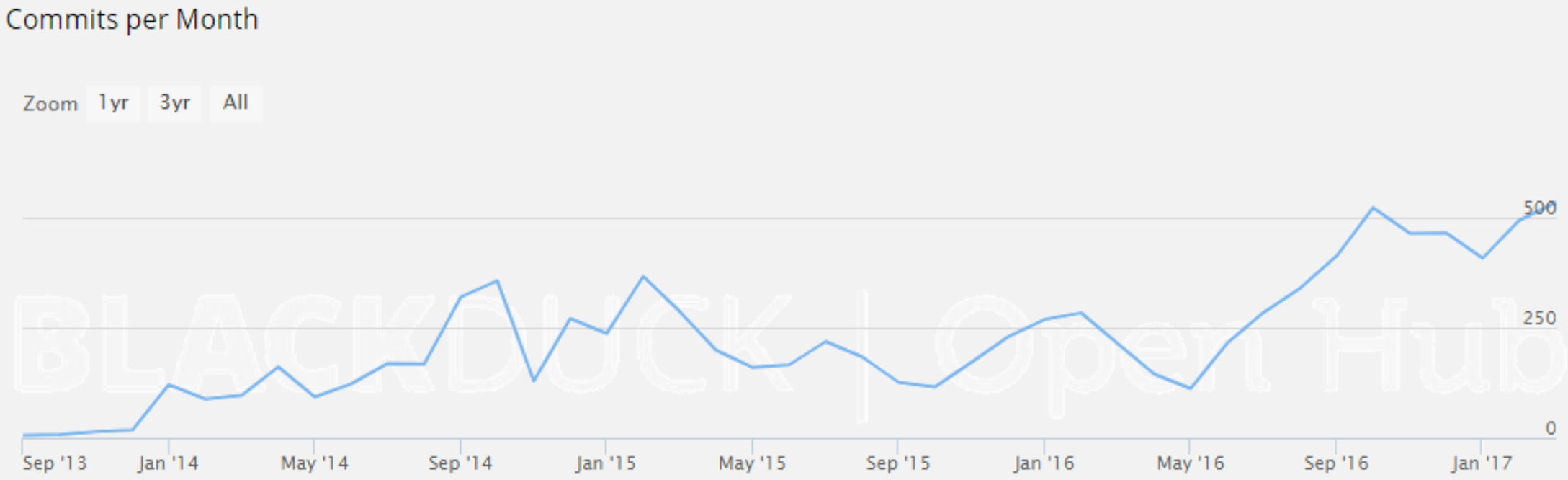
Children can be given their own accounts, and parents can monitor their spending

Adapted from Riccardo Spagni's Presentation

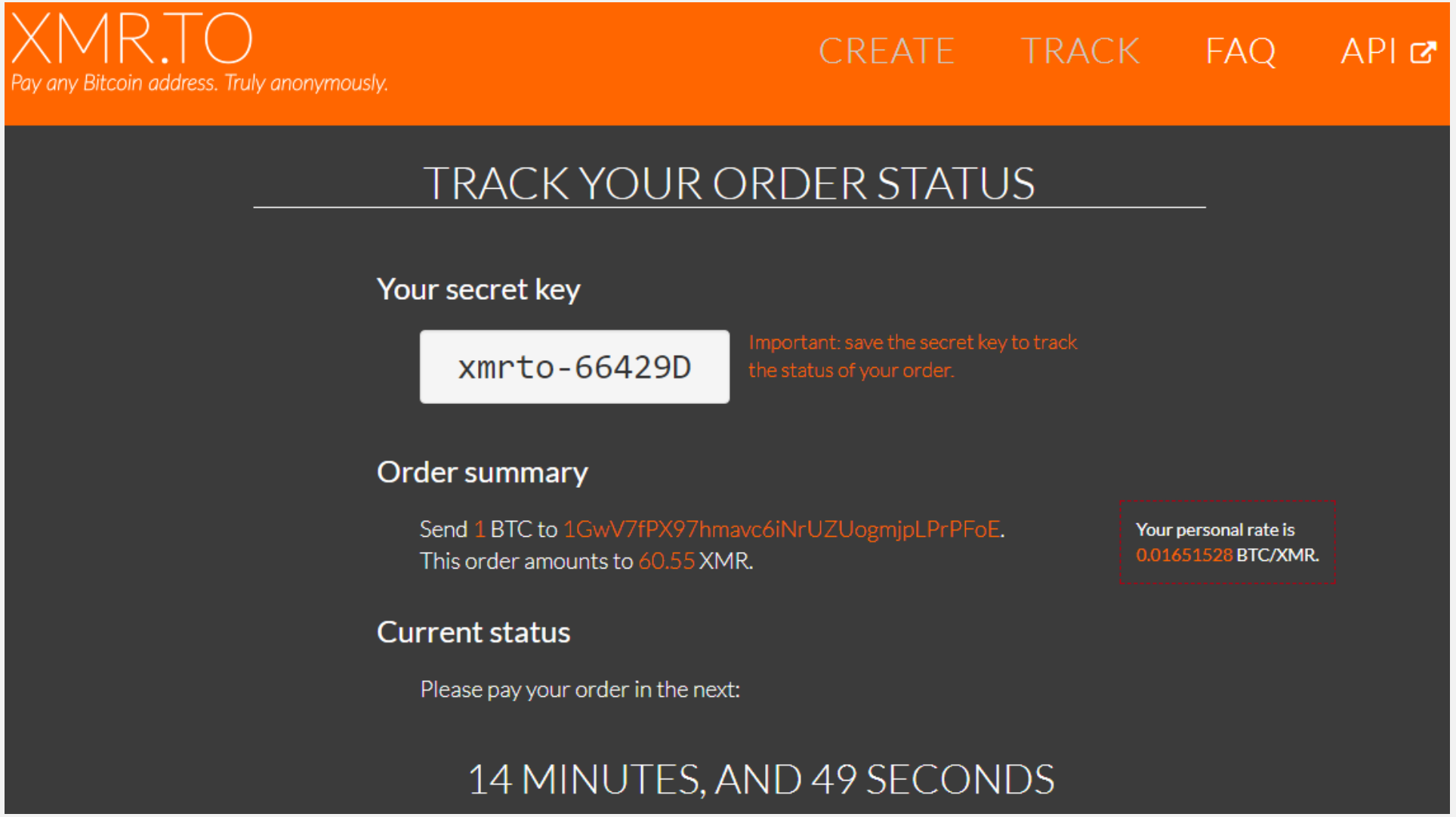
Community Growth



Community Growth



XMR.TO – Pay Bitcoin Addresses with Monero



Thank You!

getmonero.org

/r/Monero

monero.stackexchange.com