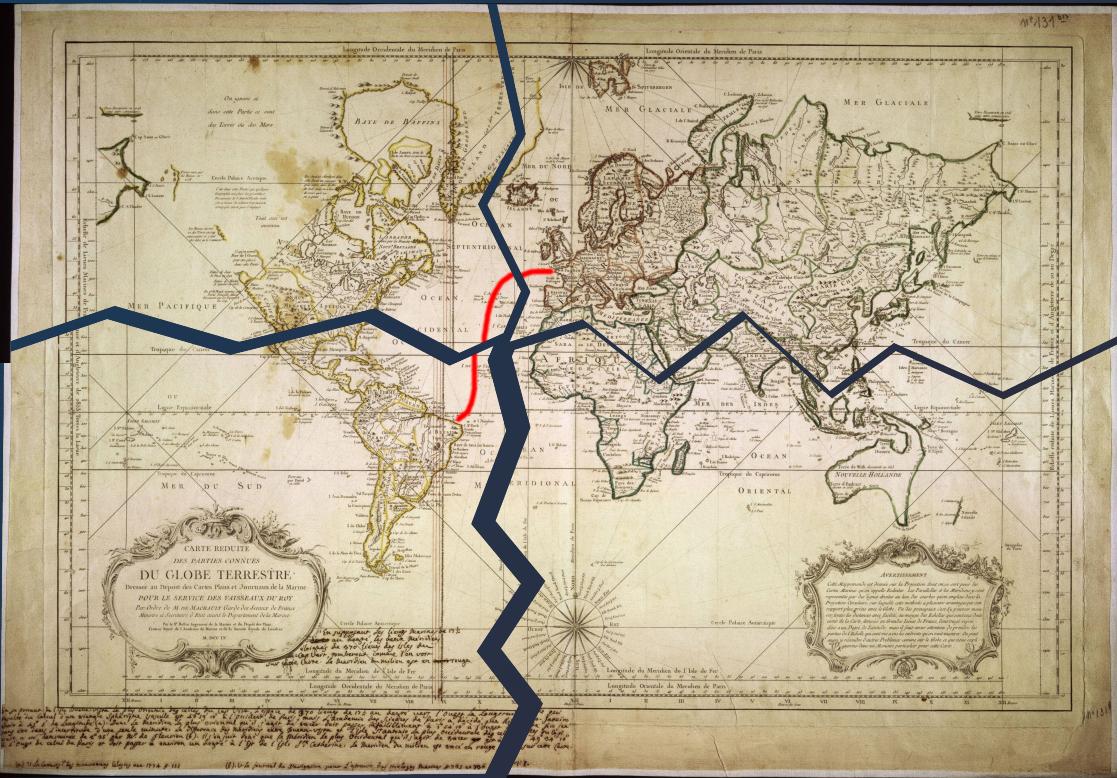


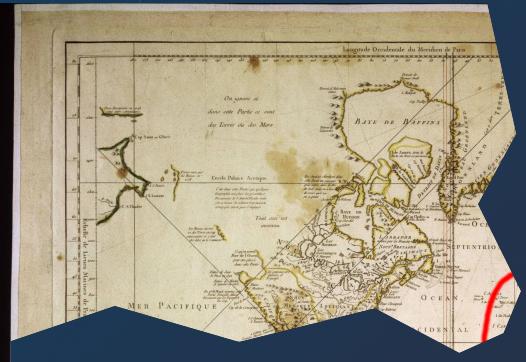
4 pirates bury a treasure



They share map with the secret route



Problem: inheritance

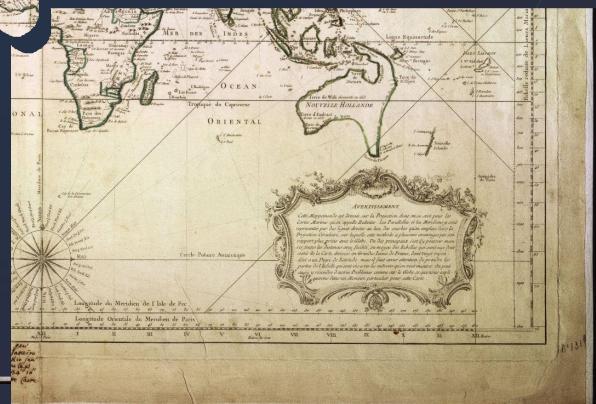
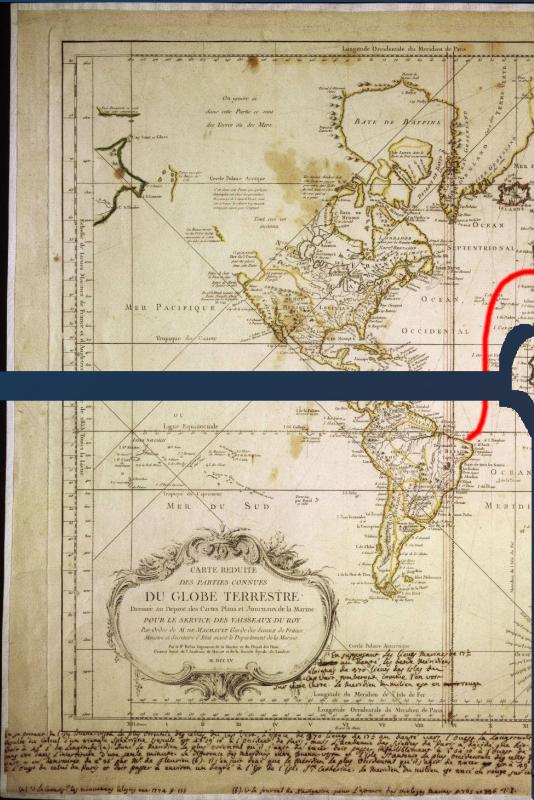


Proof size : 😓





The polynomial commitment strategy



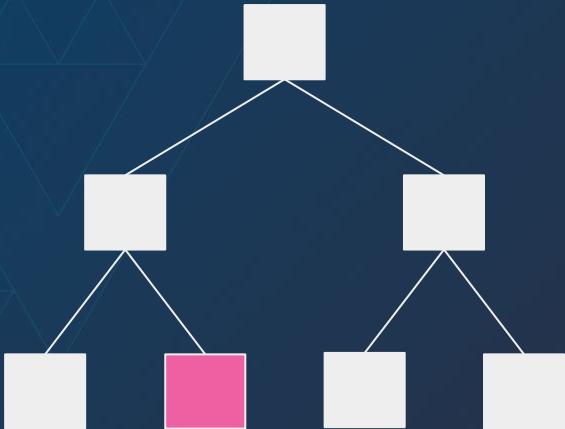
Inheritance



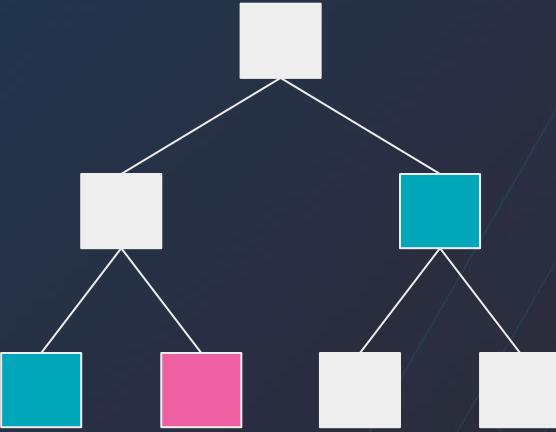
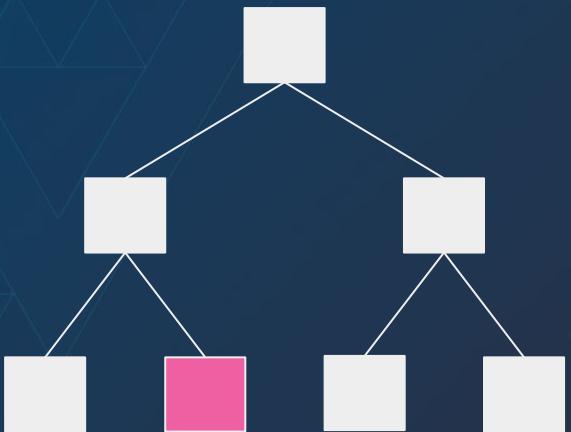
Proof size: 😊



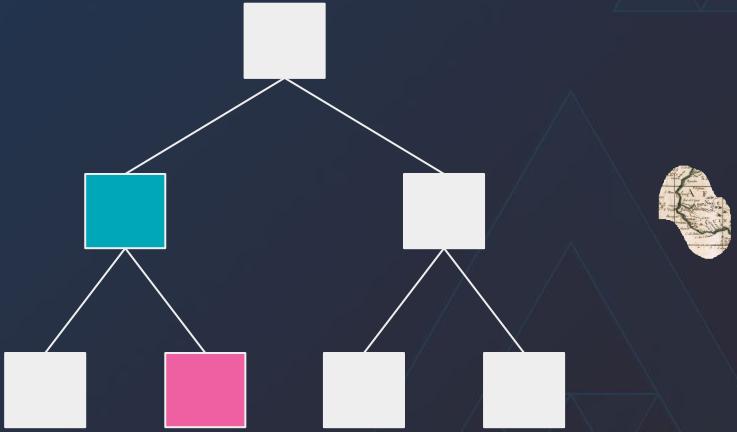
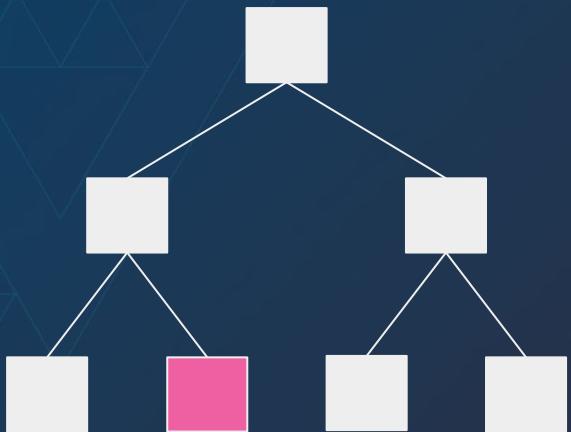
Transposition to trees



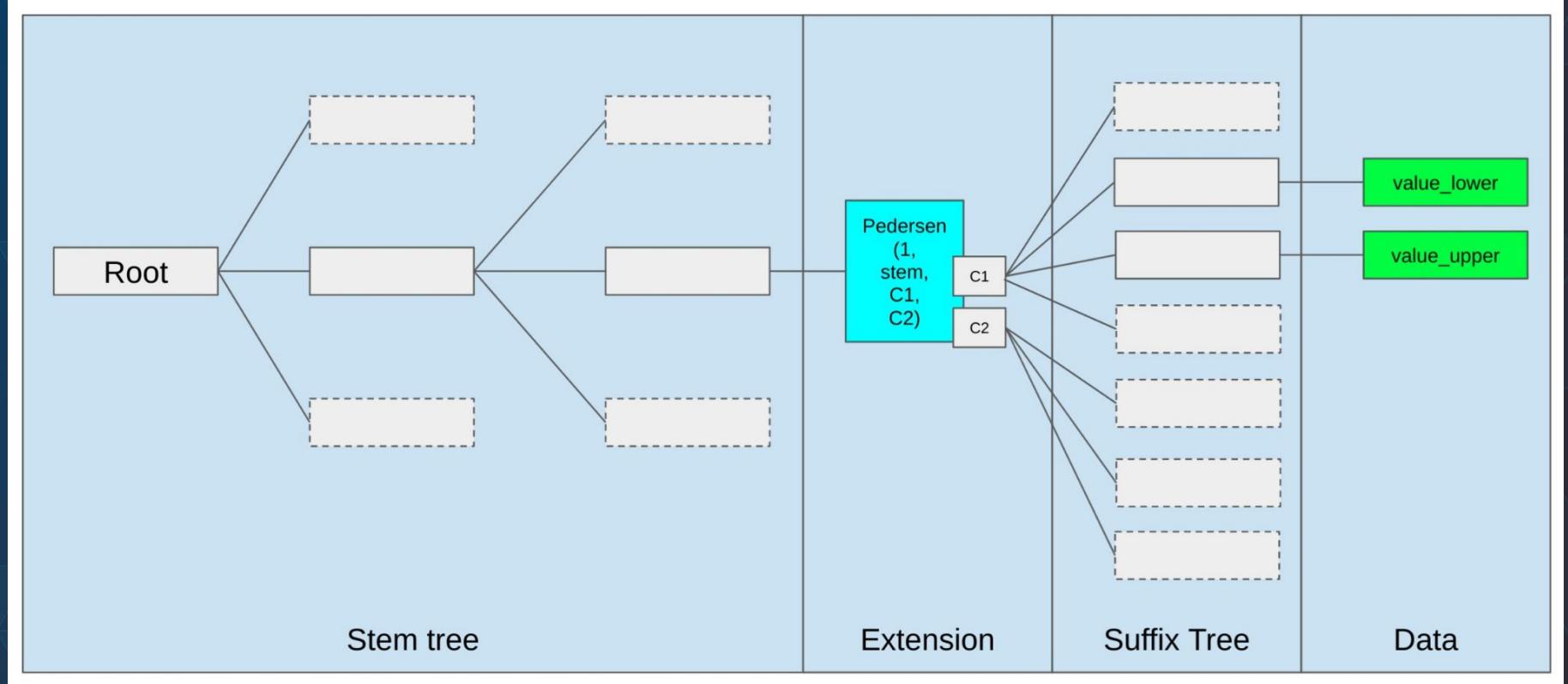
With an MPT



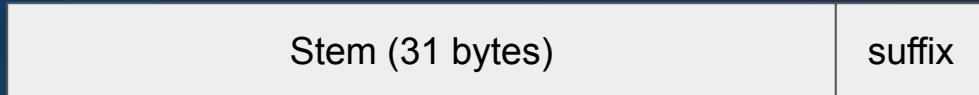
With vector commitments



New tree structure



Tree keys



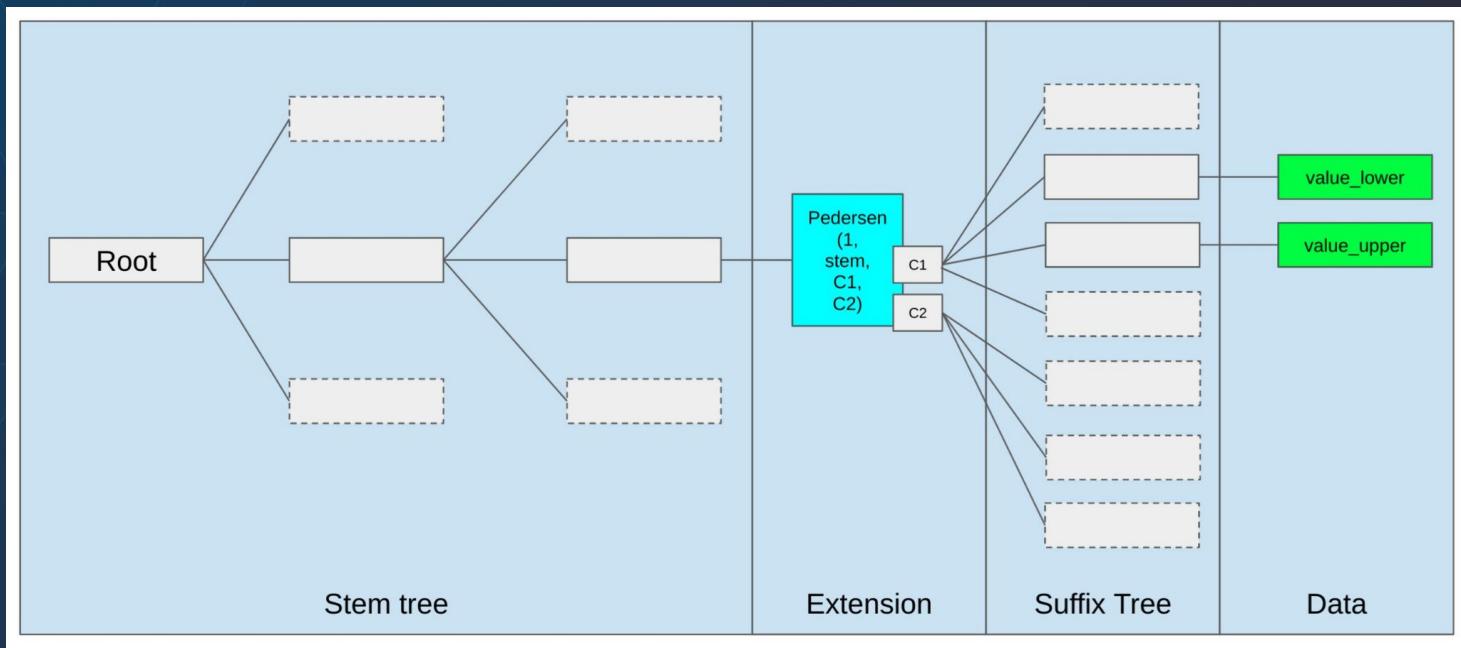
```
pedersen_hash(address || offset[:31])[:31]
```

Offset % 256 (offset in
the “group” of 256 leaves)

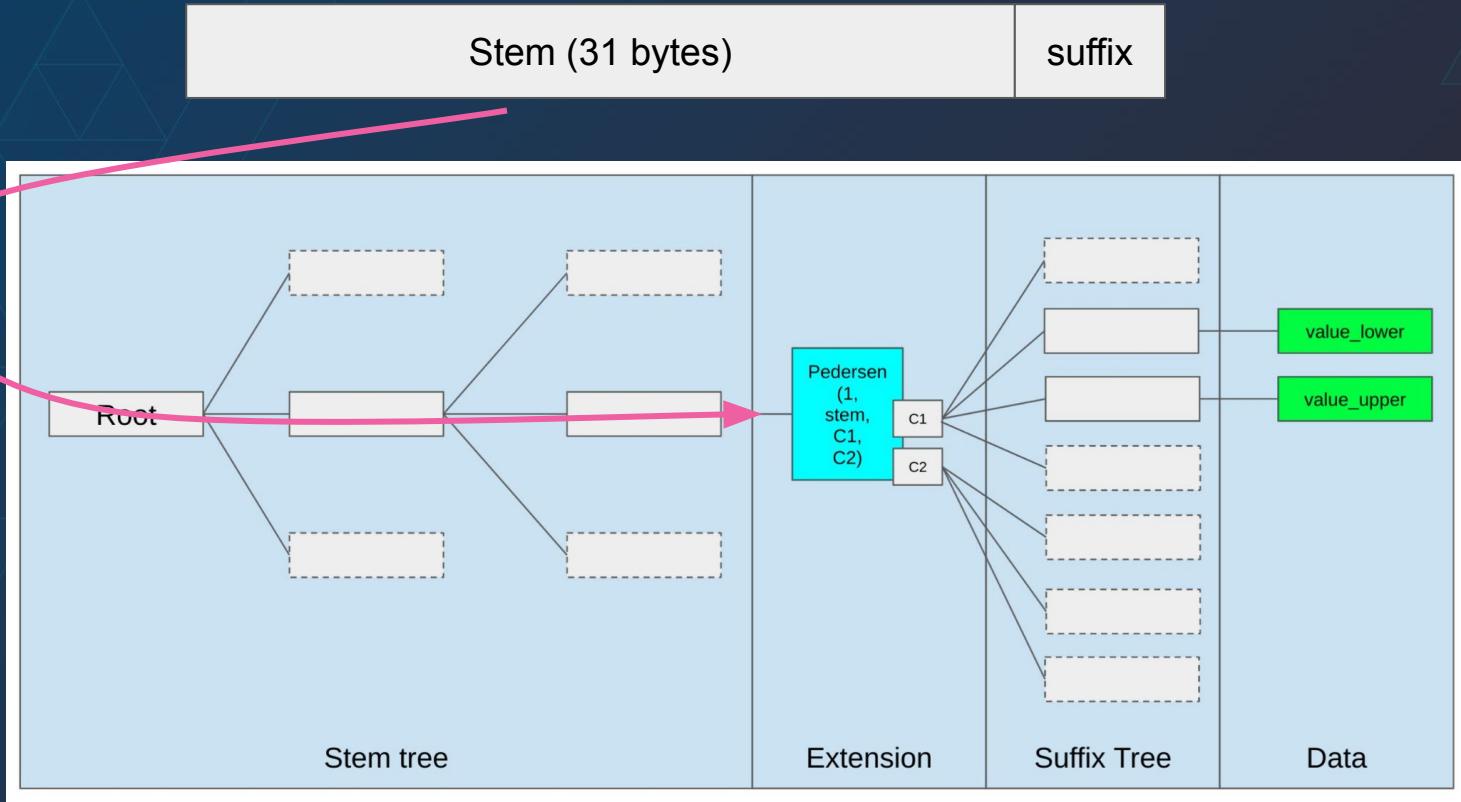
Tree keys

Stem (31 bytes)

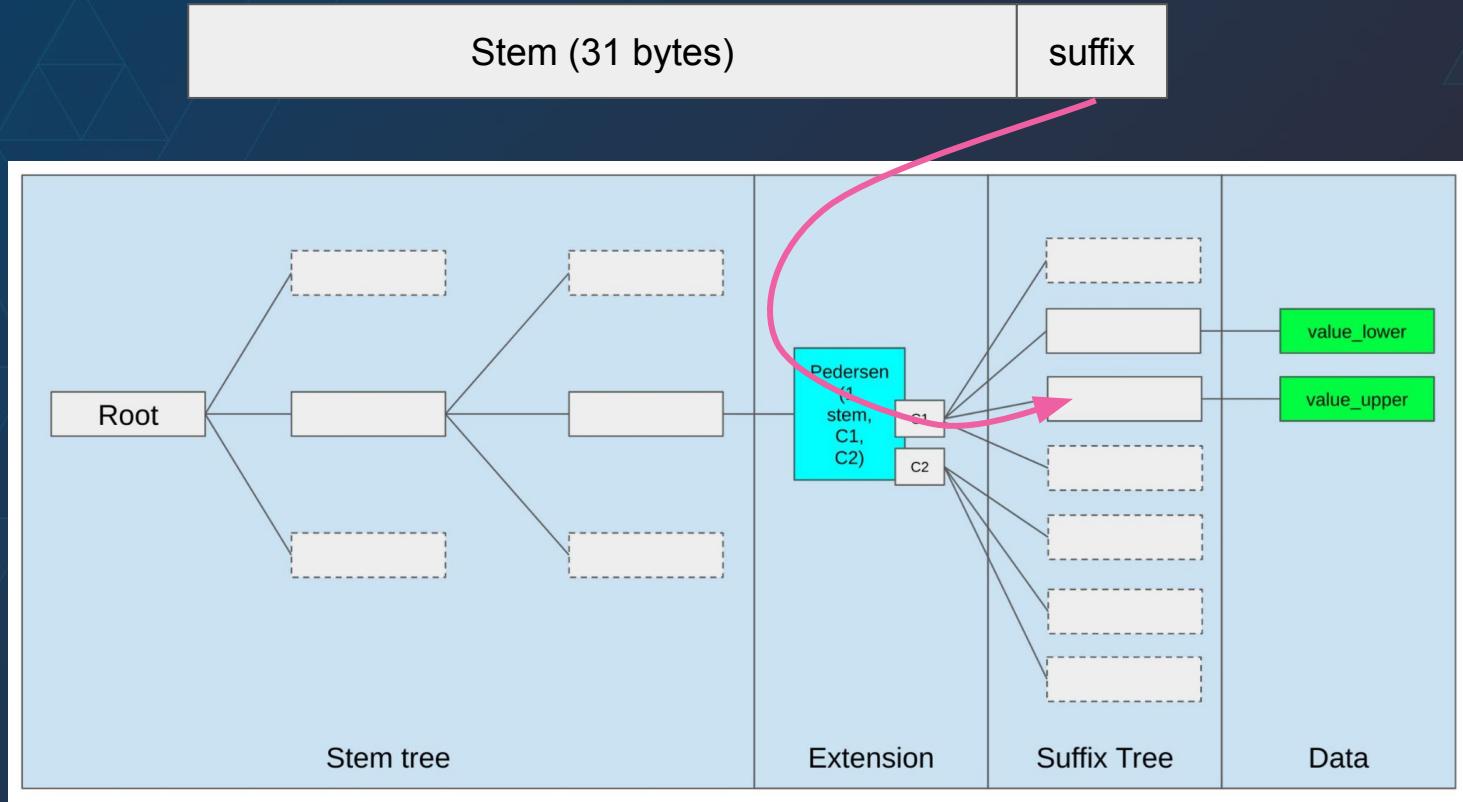
suffix



Tree keys



Tree keys



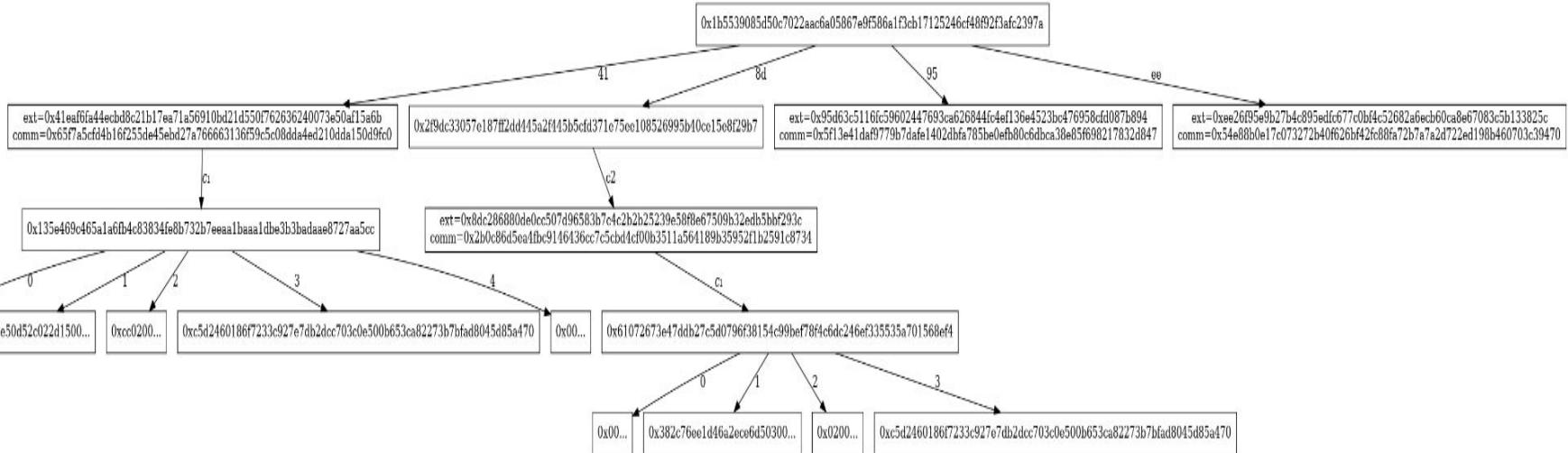
What works

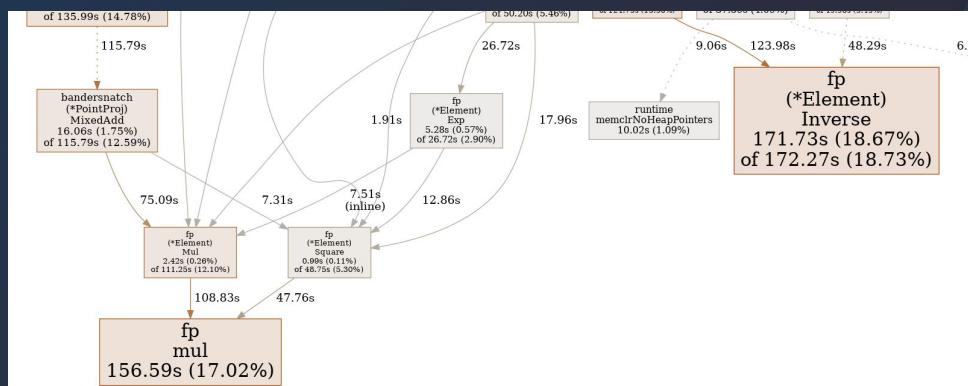
- 1.5 running testnets
- 5x slowdown compared to mainnet
- Implementations for Erigon, Nethermind and Geth
 - Besu port ongoing

The screenshot shows a mobile browser window with the following details:

- Address bar:** https://condrieu.ethdevops.io/
- Title:** condrieu-testnet
- Subtext:** ethereum.org
- Content:** The page features a logo of a fox-like creature, a button labeled "Add network to Metamask", and a table with links to various services:

Name	Link
Beaconchain explorer	https://explorer.condrieu.ethd
Transaction explorer	https://ethstats.condrieu.ethd
Ethstats	https://ethstats.condrieu.ethd
Consensus monitor	







Thank you!

Guillaume Ballet

<http://condrieu.ethdevops.io> (PoW)

<http://beverlyhills.ethdevops.io> (PoS, bringup)



@gballet

Section 1 title here.

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- Sollicitudin
- Consectetur
 - Condimentum
 - **Magna**
 - **Ligula**

Enter your main point / statement here.

Enter your main point /
statement here.

Section 1 details with a main point.
Enter title here.

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Section 2 title here.

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 - Condimentum
 - **Magna**
 - **Ligula**

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 - Condimentum
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 - **Ligula**

