

Merkle

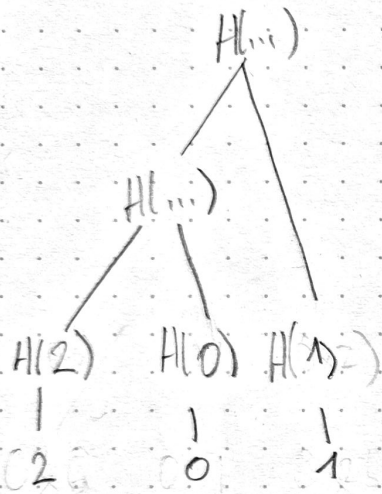
Sparse Address tree

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Index is known from \Rightarrow Problem: uint160 address space is huge: A 160 depth size proof would be required each time.

Address	Balance
0x0	2
0x1	0
0x2	1



Considering we know which parts of the tree are empty, we can send optimized proofs

