

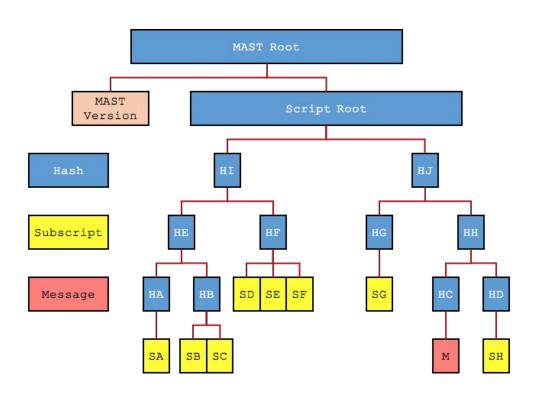


- schnorr signatures
- MAST (merkelized abstract syntax tree)
- taproot

## schnorr signatures

$$pubC + m = pubD$$

## MAST (merkelized abstract syntax tree)



## taproot

$$C + hash(C||m)G = P$$

$$A + B + hash(C||m)G = P$$

m = "<timeout> OP\_CSV OP\_DROP B OP\_CHECKSIGVERIFY"

spend by revealing C, m and providing witness that evaluates m to true

Providing signature does not reveal that a script existed.

m is a MAST root. You only provide executing subscript and needed hashes