



**Bitcoin  
Script**

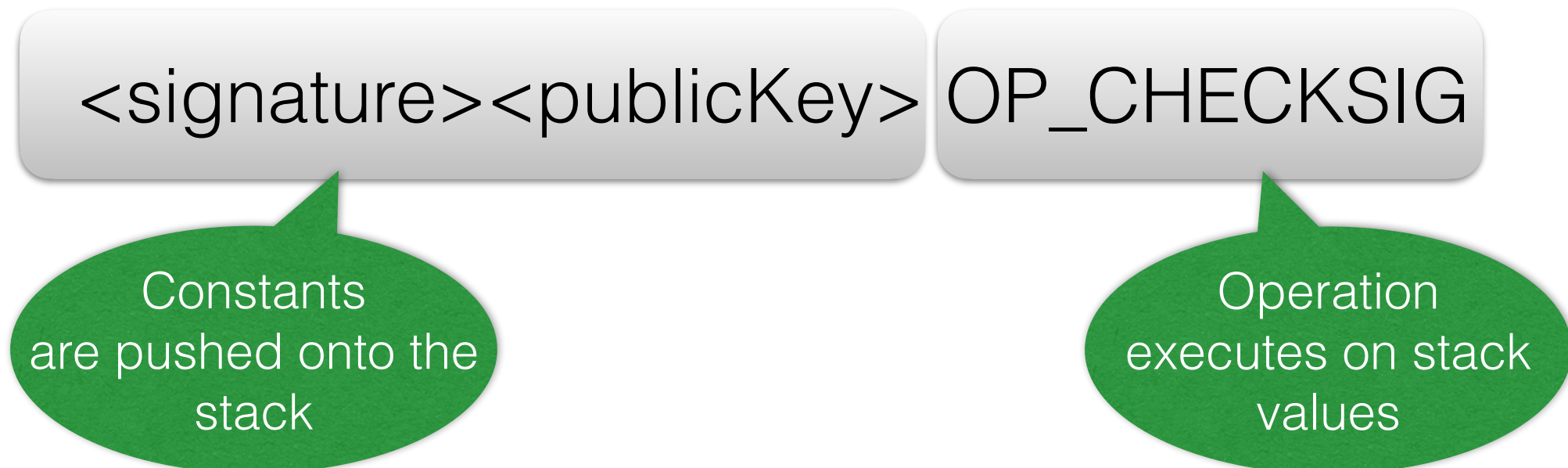


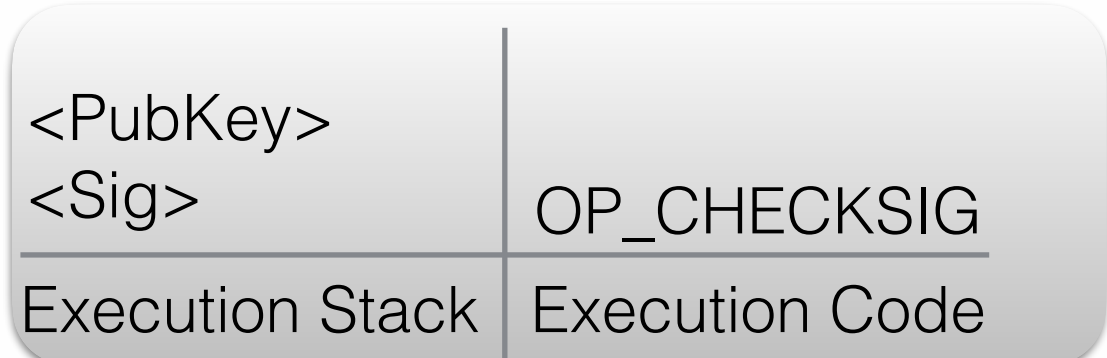
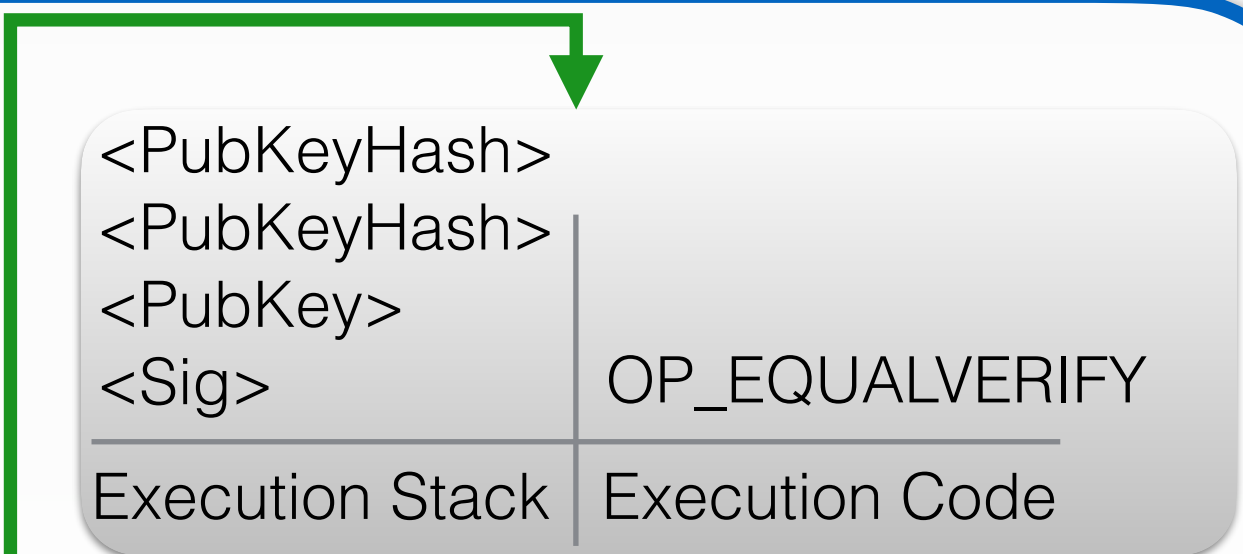
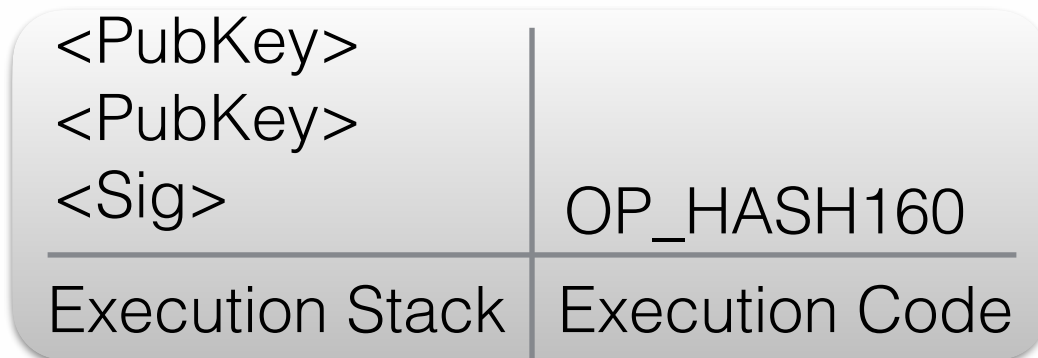
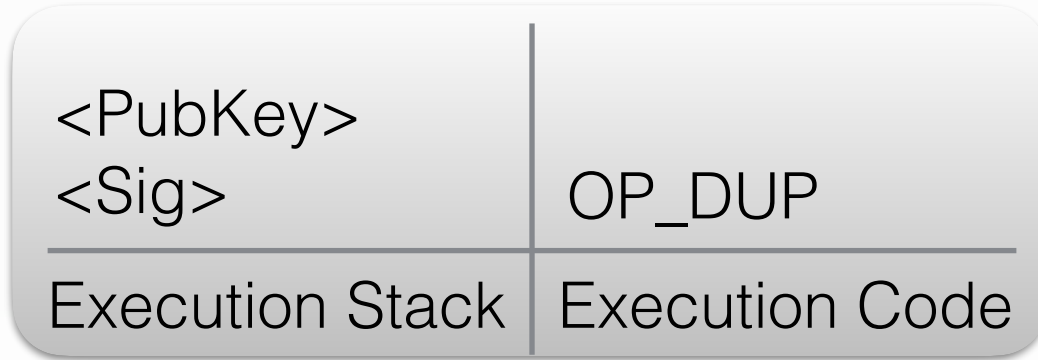
# Script



- Stack based programming language
- If evals to *true* —> Bitcoin transaction is valid
- Many opcodes
- Execution time is critical to prevent DoS attacks

## Example Script





True

Constants are pushed onto the stack

<Sig> <PubKey> OP\_DUP OP\_HASH160 <PubKeyHash> OP\_EQUALVERIFY OP\_CHECKSIG

# Transaction Types



- P2PKH - Pay to Public Key Hash
  - Redeemer needs a public key and signature
- P2SH - Pay to Script Hash
  - Redeemer needs a script that matches a pre-defined hash
- Multisignature (m-n)
  - Requires multiples signatures to be redeemable
  - **m** out of **n** signatures required