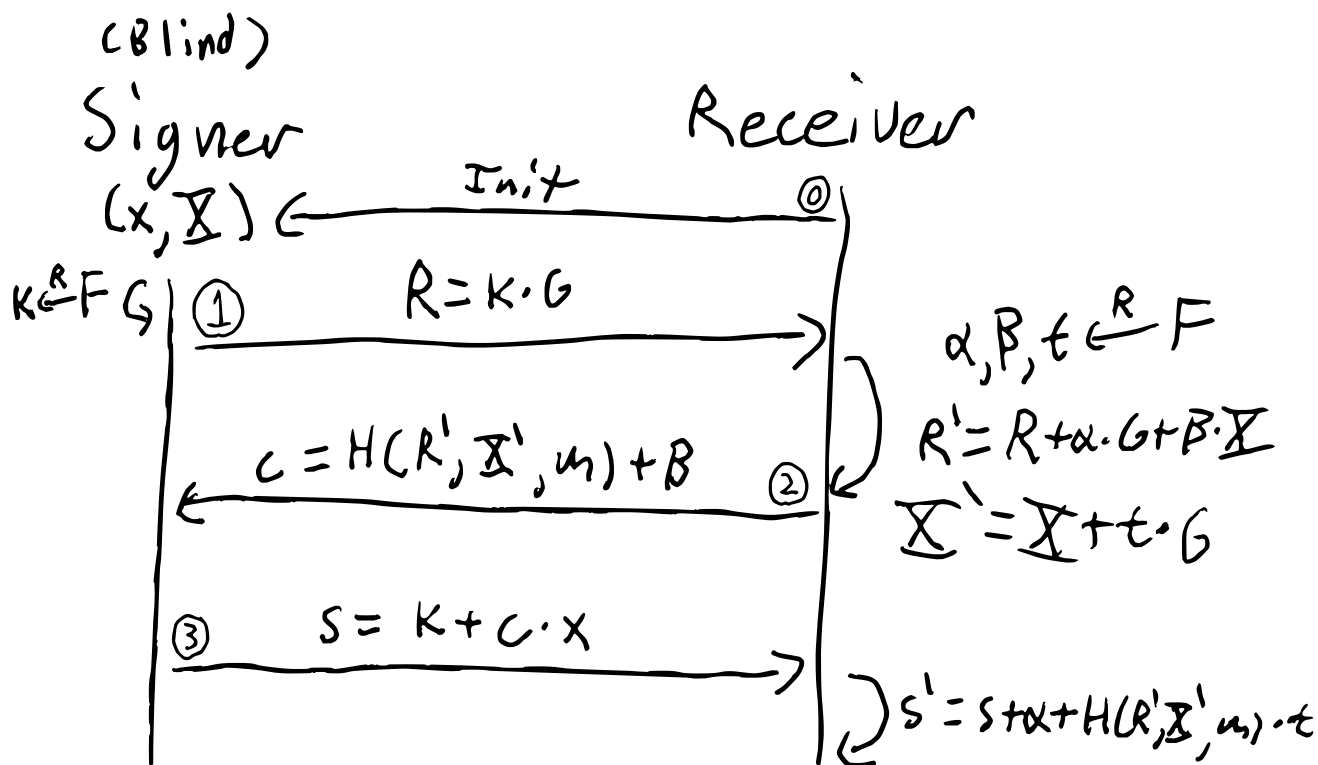


# Blind Schnorr Signatures



## Legend

- $X$  - signer privKey
- $X$  - signer PubKey
- $(K, R)$  - signer Nonce
- $\alpha$  - nonce Tweak
- $\beta$  - challenge Tweak
- $t$  - key Tweak
- $X'$  - tweaked PubKey
- $R'$  - tweaked Nonce
- $C$  - (blinded) message hash
- $S$  - (blinded) signature
- $S'$  - unblinded signature

Valid sig  $(R', S')$  for  $X'$ .

## Code Events (in order)

- Receiver initializes
- Signer generates and sends nonce
- Receiver calls `BlindingTweaks`. Fresh `BlindingTweaks`
- Receiver calls `generateChallenge` and sends it
- Signer calls `generateBlindSig` and sends it
- Receiver calls `unblindSignature`
- Done ;)