PureCoin

. . . and its lack of purity

Adam Gibson

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Bitcoin Historico

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Let's try to build PureCoin

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Let's see if data can still be embedded.

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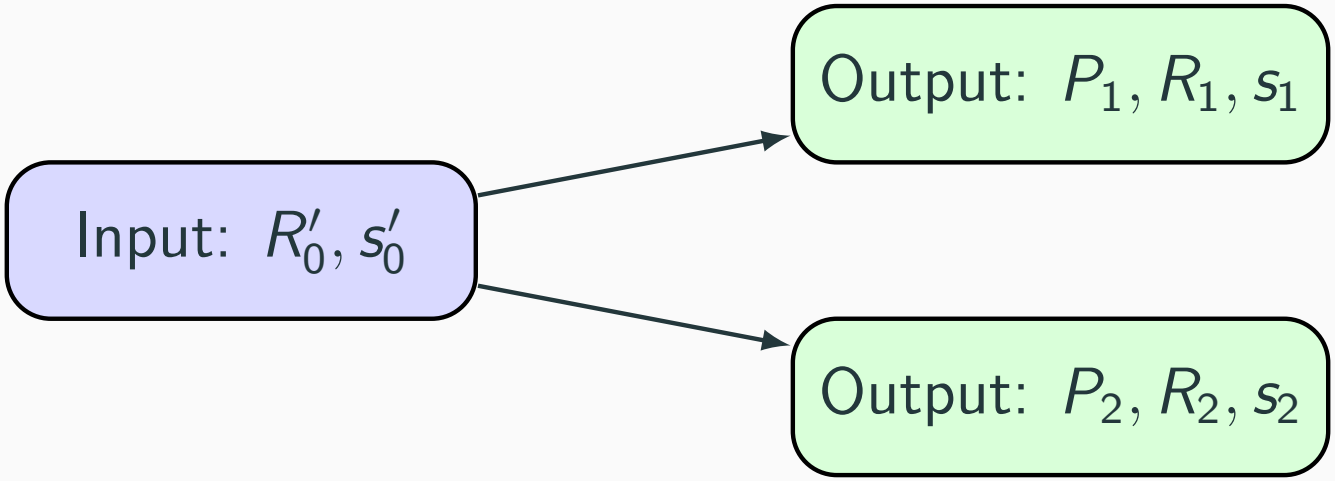
See mailing list post on Schnorr unembeddability, paper.

Transaction Flow - produce



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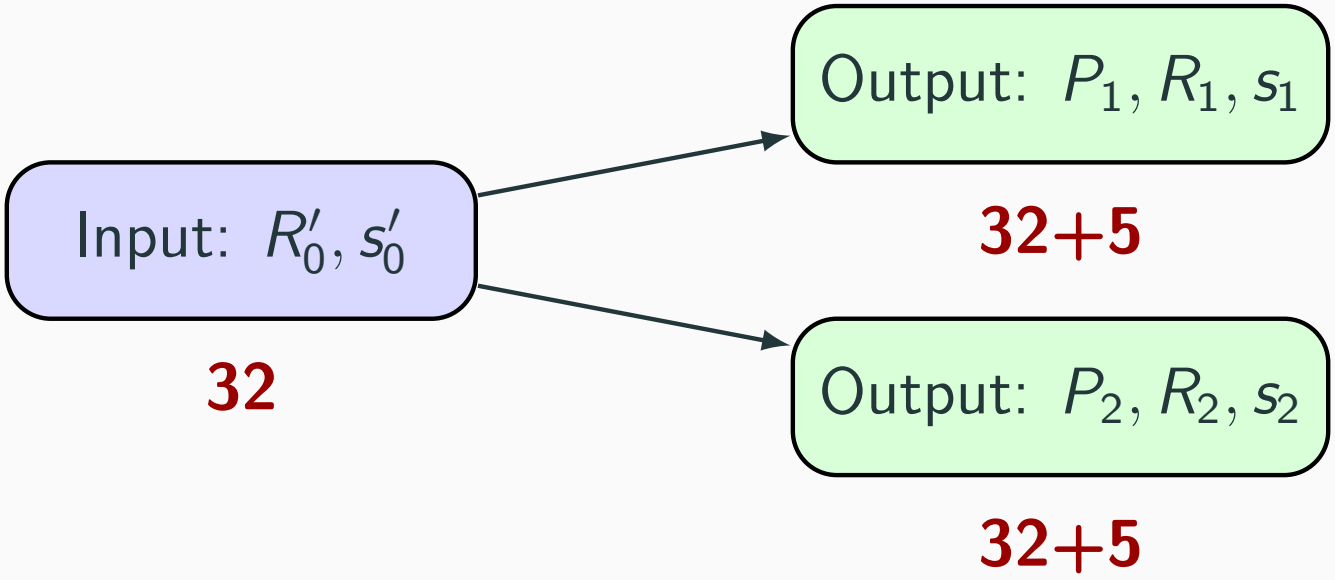
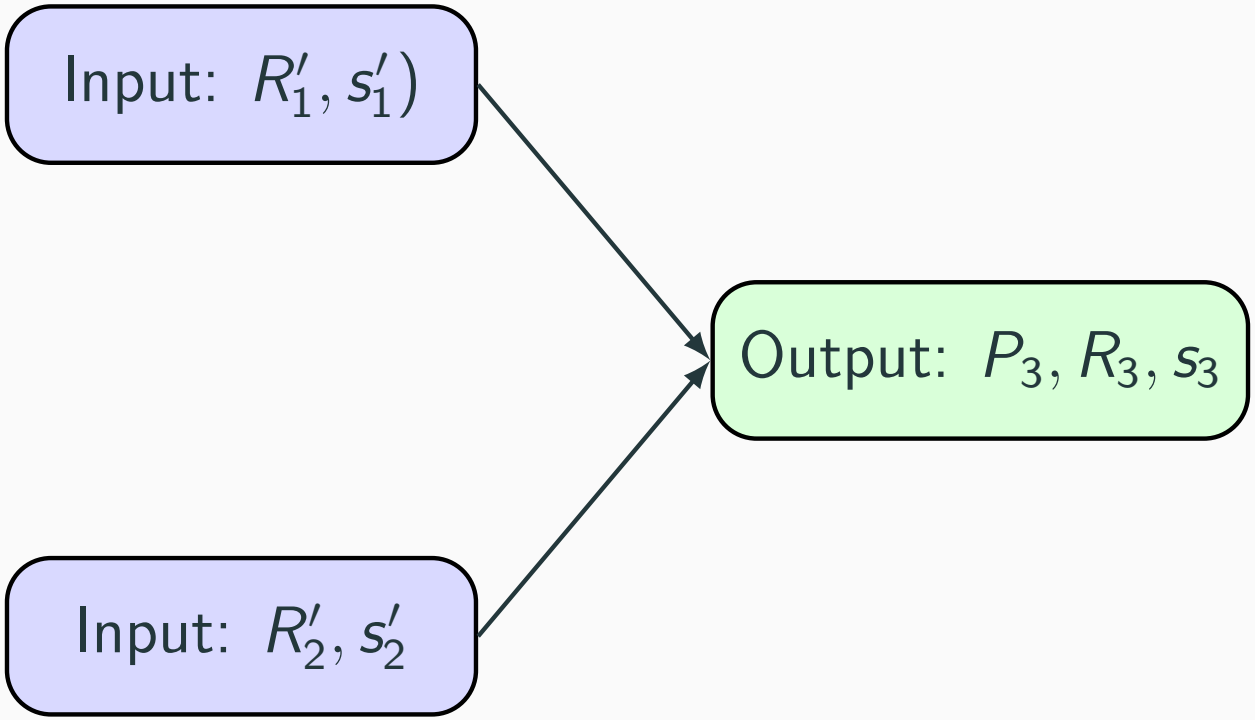


Transaction Flow - consume



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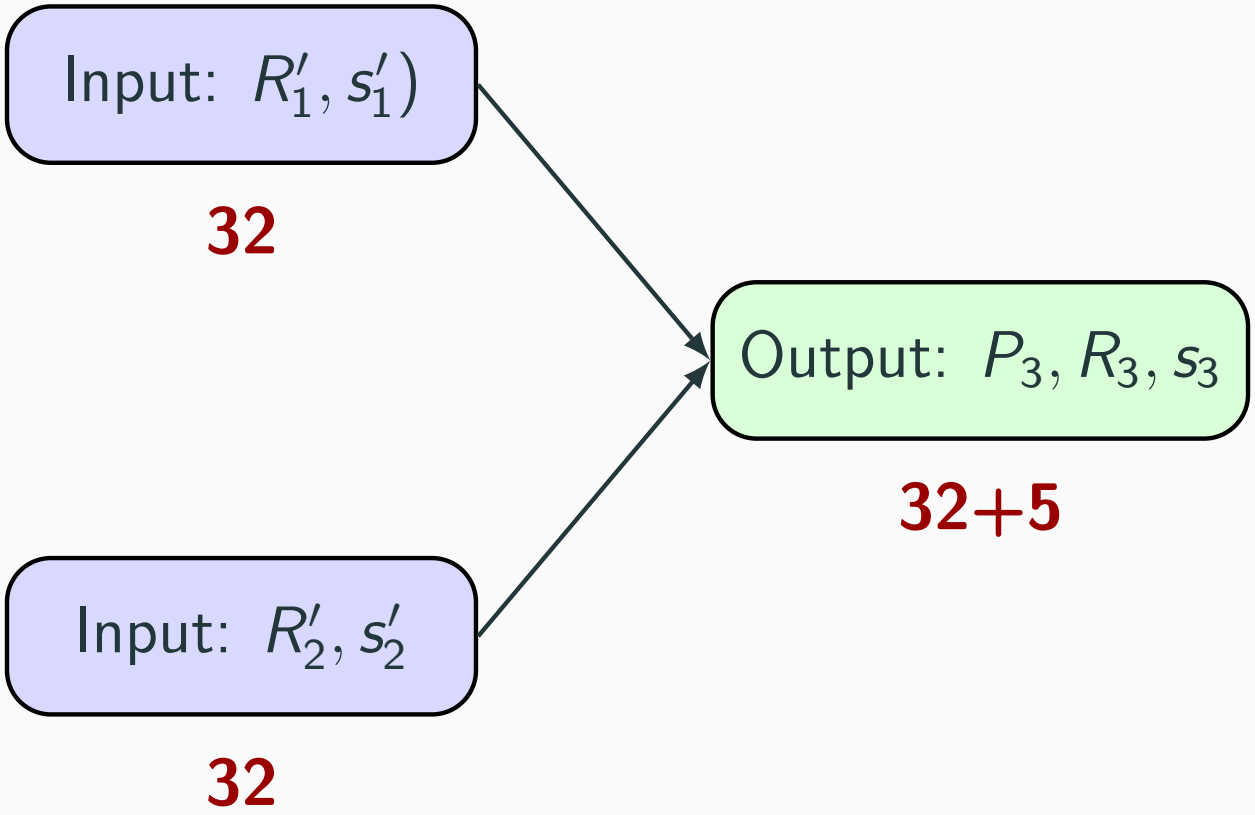
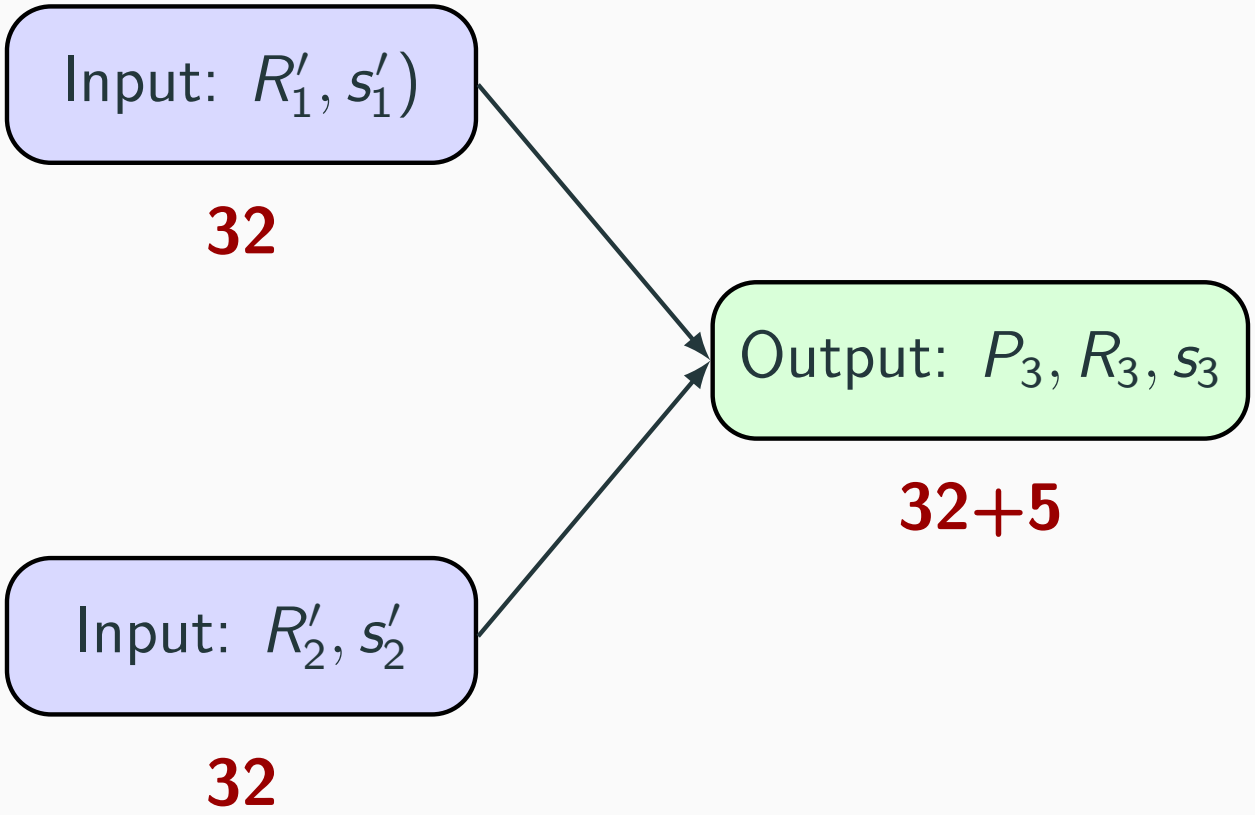


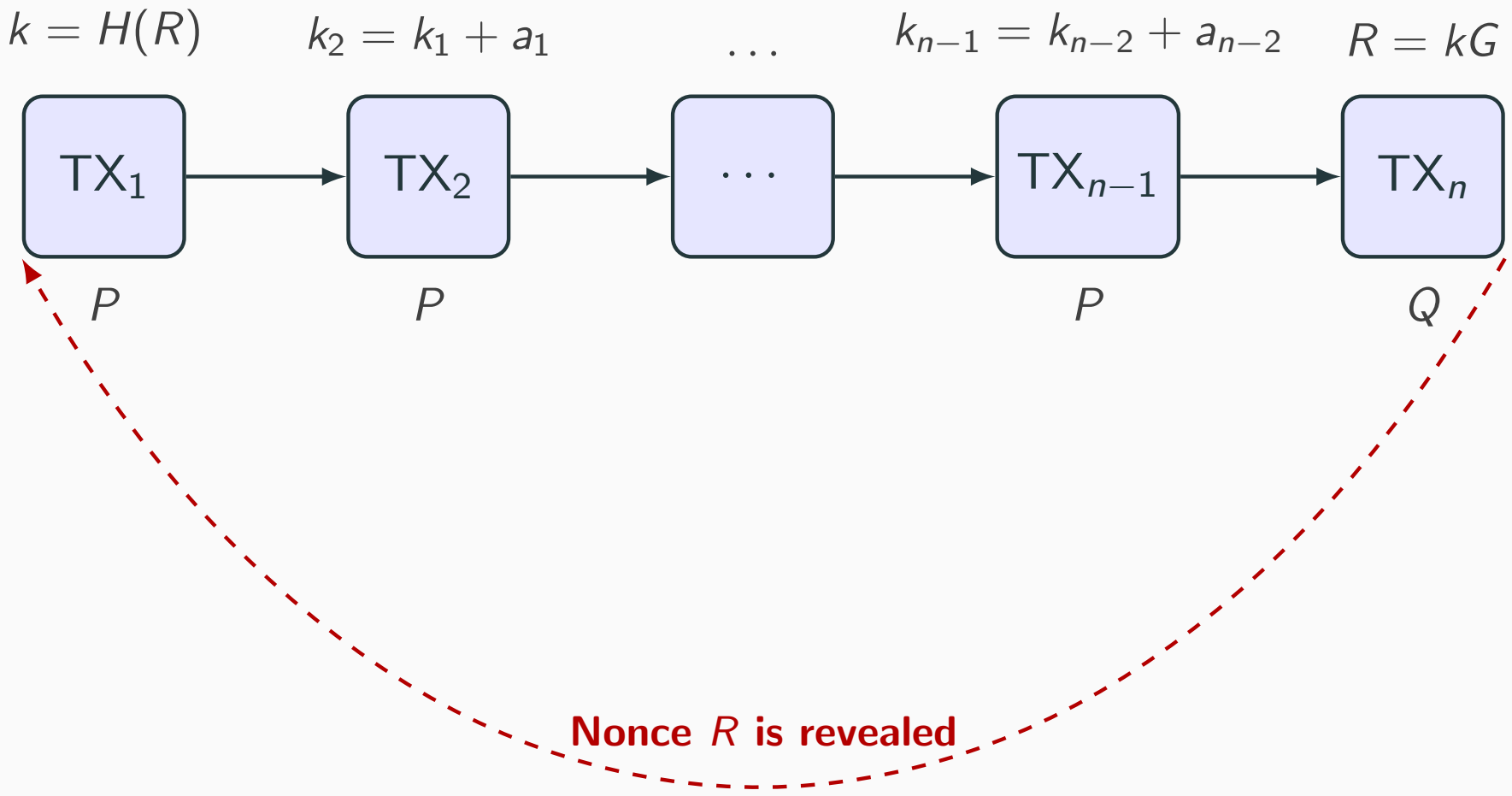
Transaction Flow - consume



Total embedding ratio: $(3 \times 32 + 5)/(7 \times 32) =$

45%

Without leaking the private key, please!



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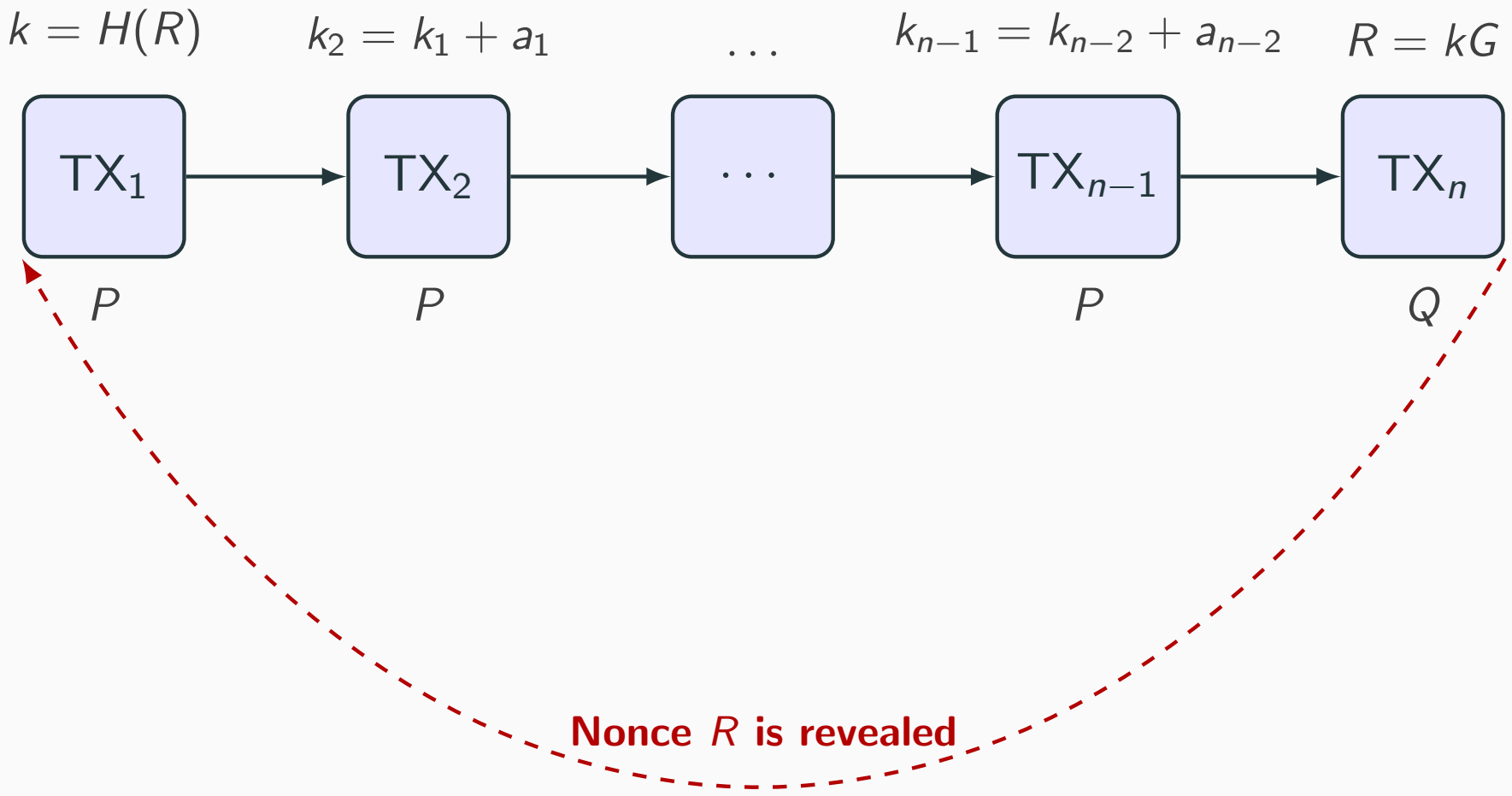

h/t ajtowns

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"ZK requires blinding which requires randomness. And data can fit into randomness".

– me, I just made it up

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- BUT - BLS, deterministic proofs (not ZK)

Thank you

Contact info:

waxwing on nostr:
npub1vadcfln4ugt2h9ruwsuwu5vu5am4xaka7pw6m7axy79aqyhp6u5q9knuu7

https://github.com/AdamISZ

A blog: https://reyify.com/blog/

gpg: My 4668 .... 197A key is lost!

waxwing

npub1vad:5q9knuu7