Alice creating an authenticated profile

A creates a public/private key pair

A signs a reference and stores it in the blockchain

S(I am Alice...)

A requests verification from a **CA**

S(I am Alice...) **+** 👤 ID

CA verifies and stores in blockchain

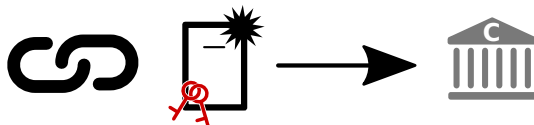S(S(I am Alice...))
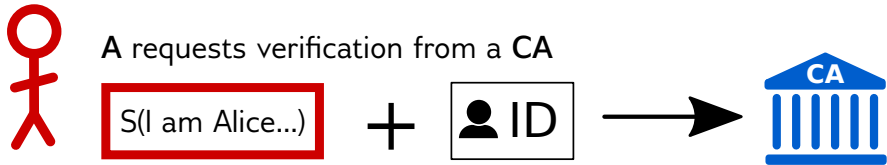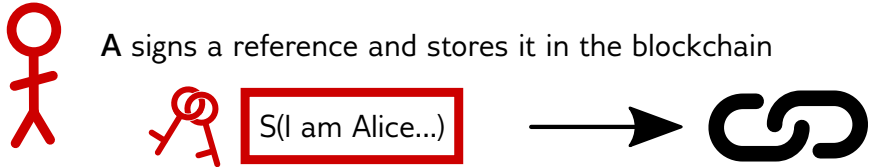
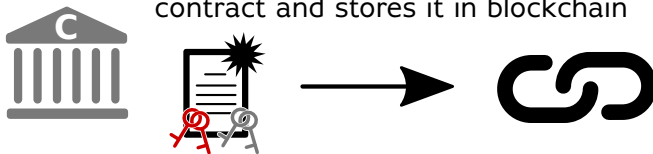# Alice requesting reference from Company
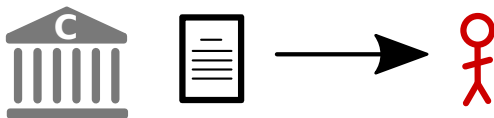
A creates a smart contract
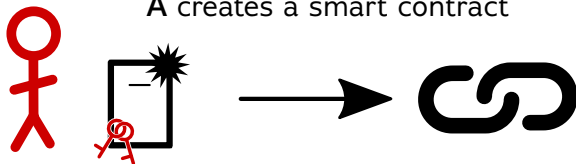
C gets notifed of new request in blockchain

C attaches reference hash for A to contract and stores it in blockchain
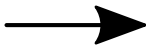

C sends reference content to A
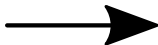
Company creates a floating record for Bob

C creates an identity check for **B**

DOB + Name ⟶ 👤 ID

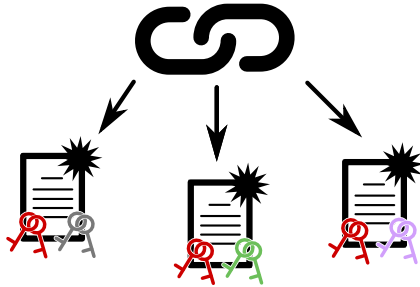C creates a smart contract containing a reference hash and the identity check

C sends reference content to **B**

When B creates a profile, he can claim the reference if his grounded identity matches the ID check

Alice creating a verified CV

A has a number of smart contracts containing references stored on the blockchain

A creates a CV and includes the content of each reference and the address of the smart contract with the reference hash for them