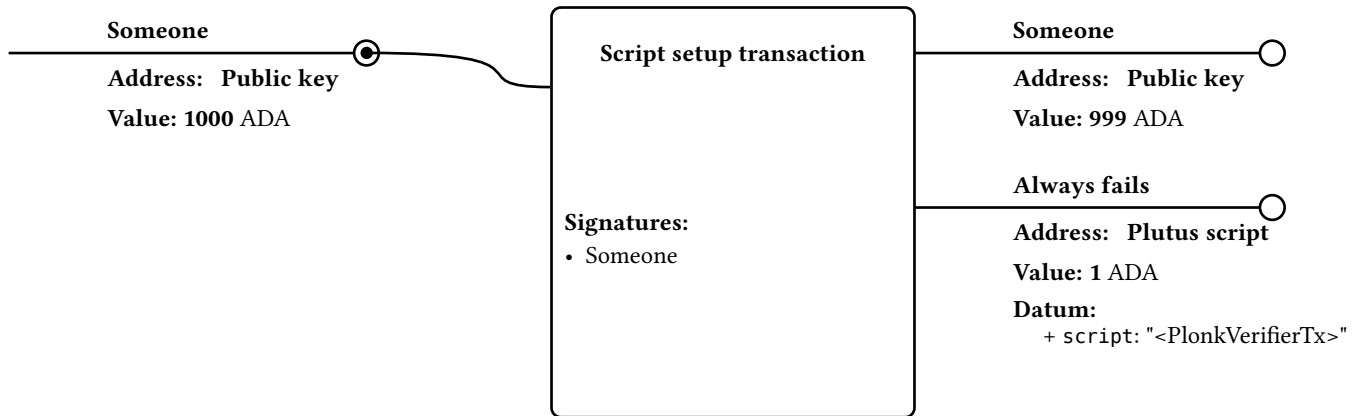


## End-to-end test for the PlonkVerifierTx

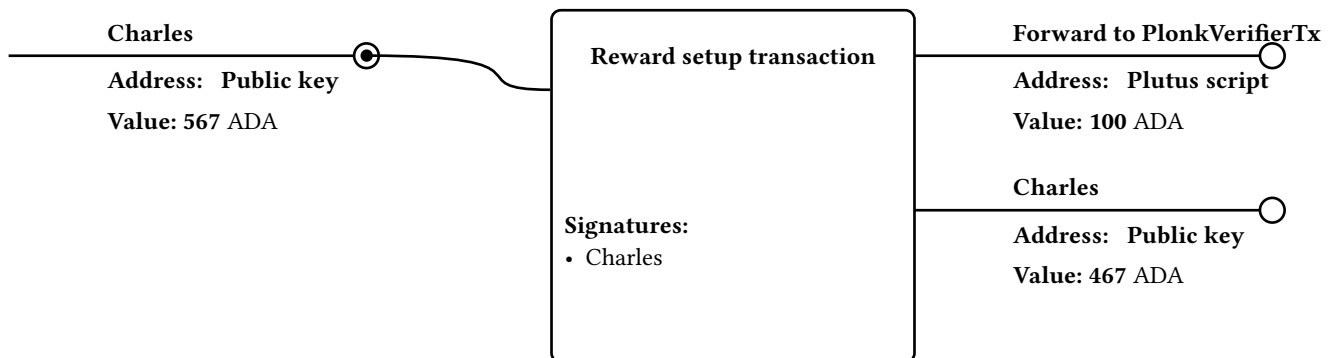
**A ZK-KYC scenario:** Charles sets up a reward in ada that can be claimed by proving (using the Plonk verify algorithm) the completion of a KYC process.

First, we perform a setup transaction that posts the PlonkVerifierTx script on-chain.



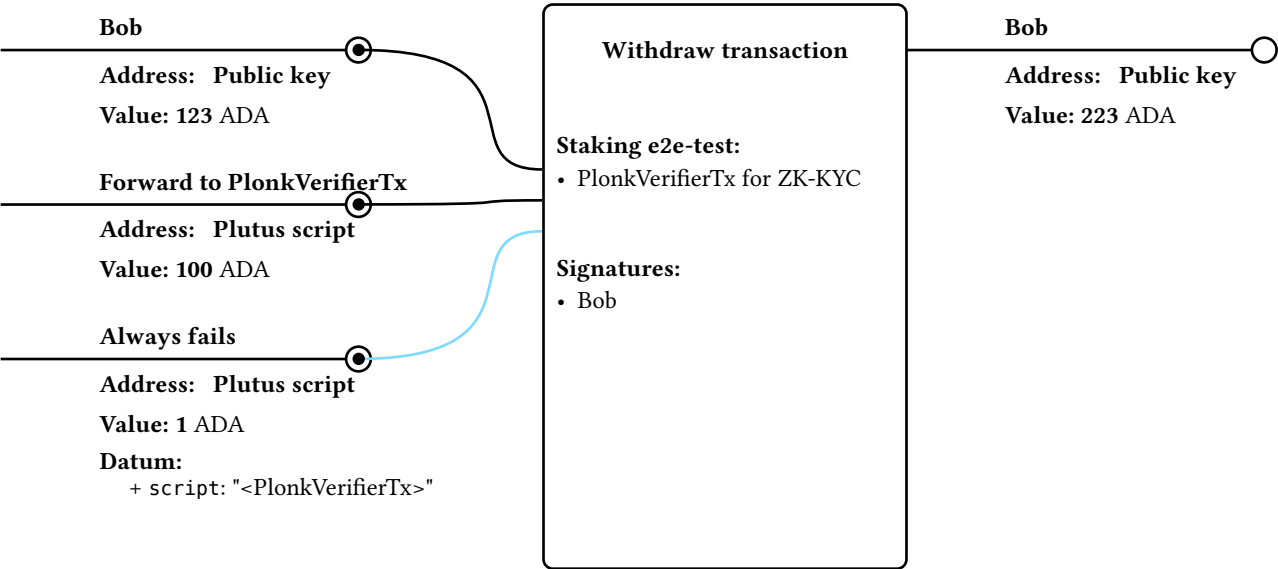
**Note:** Someone posts the PlonkVerifierTx script on-chain.

In the second transaction, Charles sets up a reward for doing the ZK-KYC process. He sends 100 ada to a Plutus script address. The script unlocks the funds if and only if the respective PlonkVerifierTx is executed successfully.



**Note:** Charles sets up a reward for proving completion of a ZK-KYC process.

Bob proves KYC process completion and claims the reward.



**Note:** Bob proves completion of the ZK-KYC process and claims the reward.