Reminder: The Simple UTxO-Model

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- A transaction has UTxOs as inputs and one or more outputs.
- Transactions are authorized by the digital signatures of the owners of the inputs.
- Transactions with several senders and/or receivers are possible.
- The state of the blockchain is determined by the set of all UTxOs.

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- A transaction consists of:
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  - An ordered list of outputs, where each output has an address and a value.
  - A digital signature for each input.

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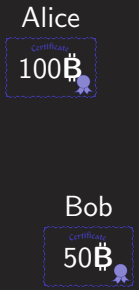
- The transaction contains digital signature's belonging to the owners of the inputs.
- The sum of all input values (plus transaction fees) equals the sum of all outputs.
- No output value is negative.

Example: A Simple Transaction

Alice holds 100 ฿ and wants to send 40 ฿ to Bob, who has 50 ฿.



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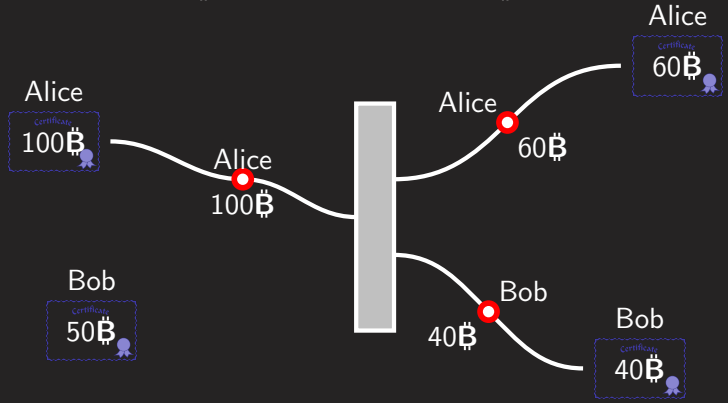
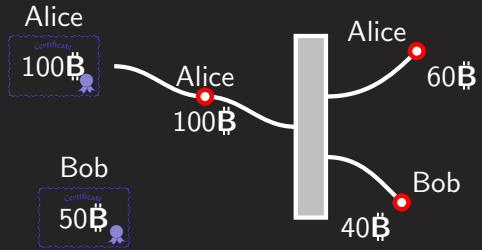


Example: A More Complex Transaction

After sending 40 ₿ to Bob, Alice and Bob want to send 55 ₿ each to Charlie.



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