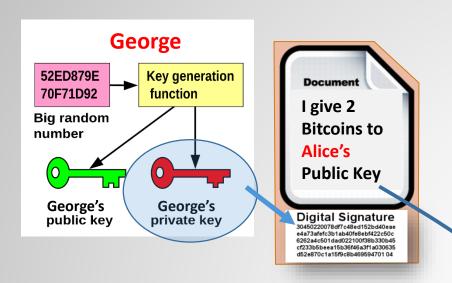




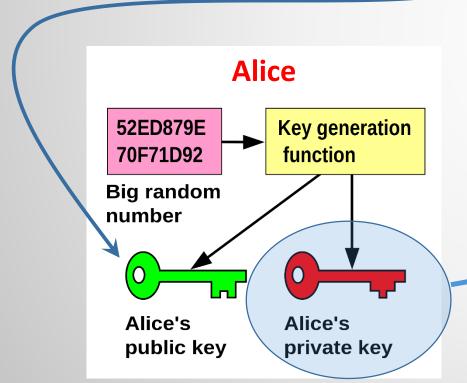
Session 7:

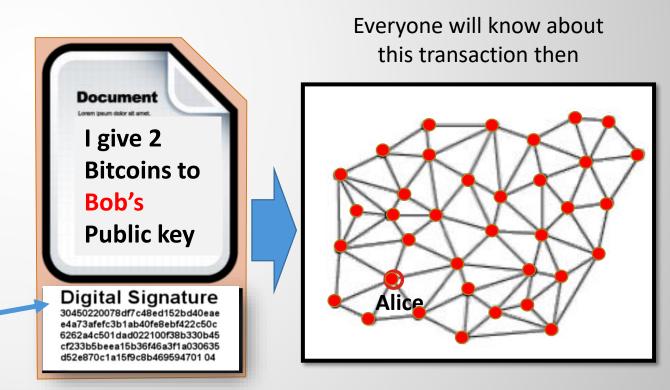
Bitcoin - Part 2

Module 1 – Transaction Details & Anonymity in Bitcoin



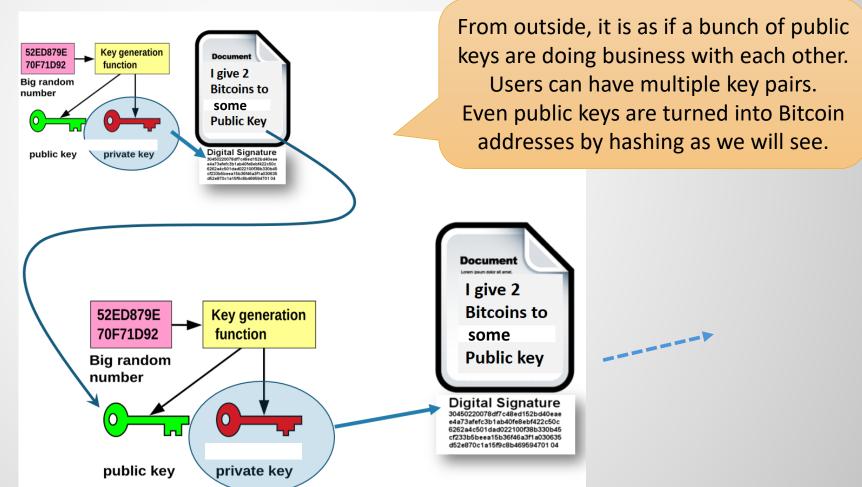
How the Transactions are Protected by Key Pairs and Digital Signature

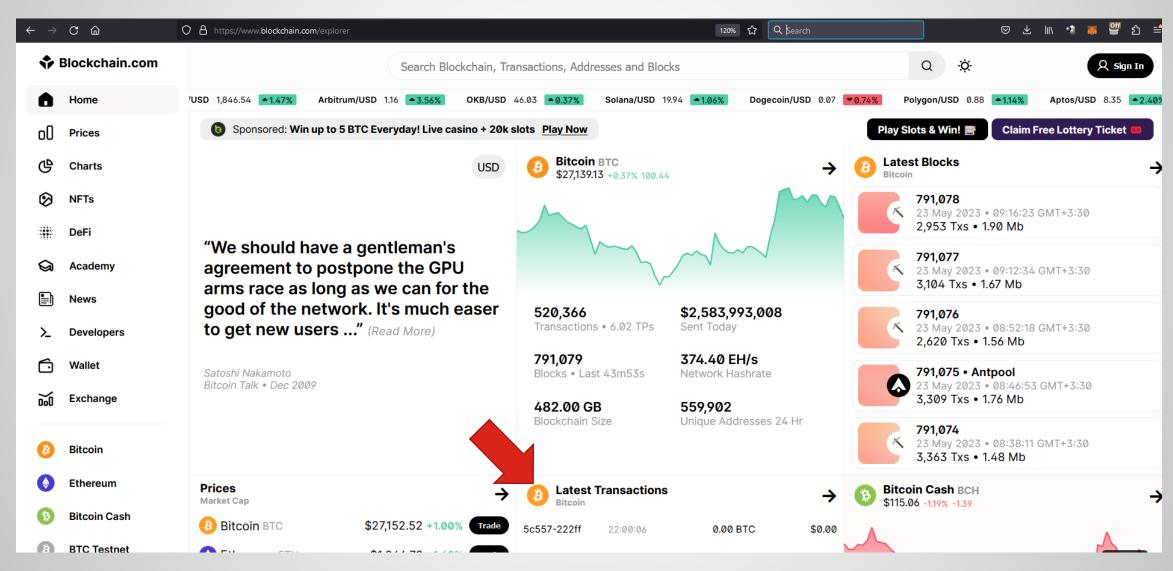


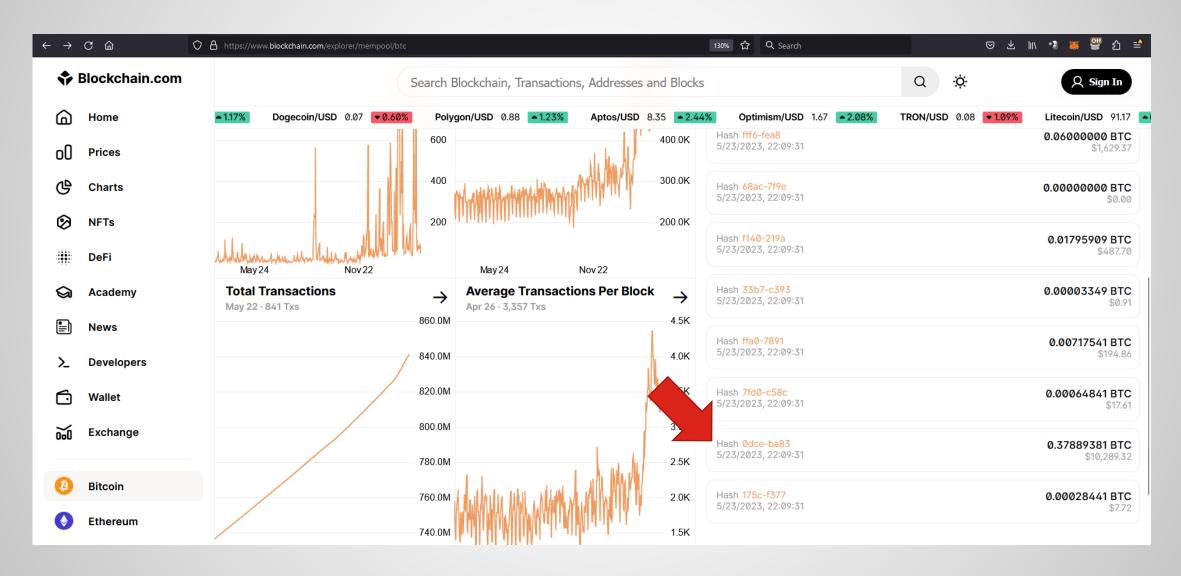


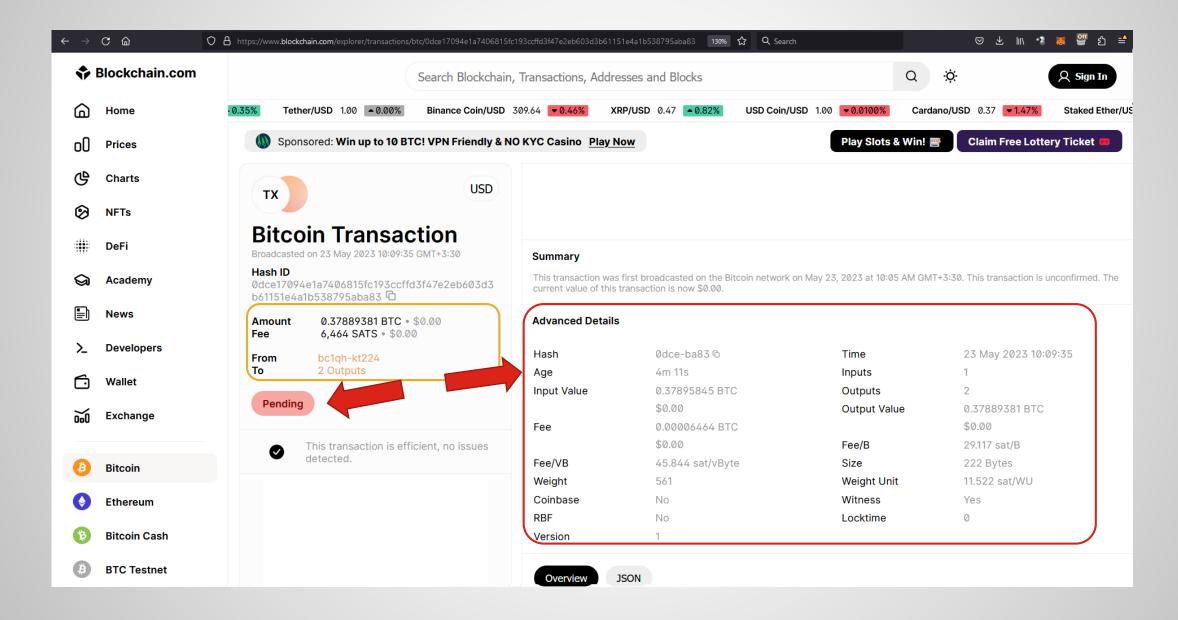
Anonymity

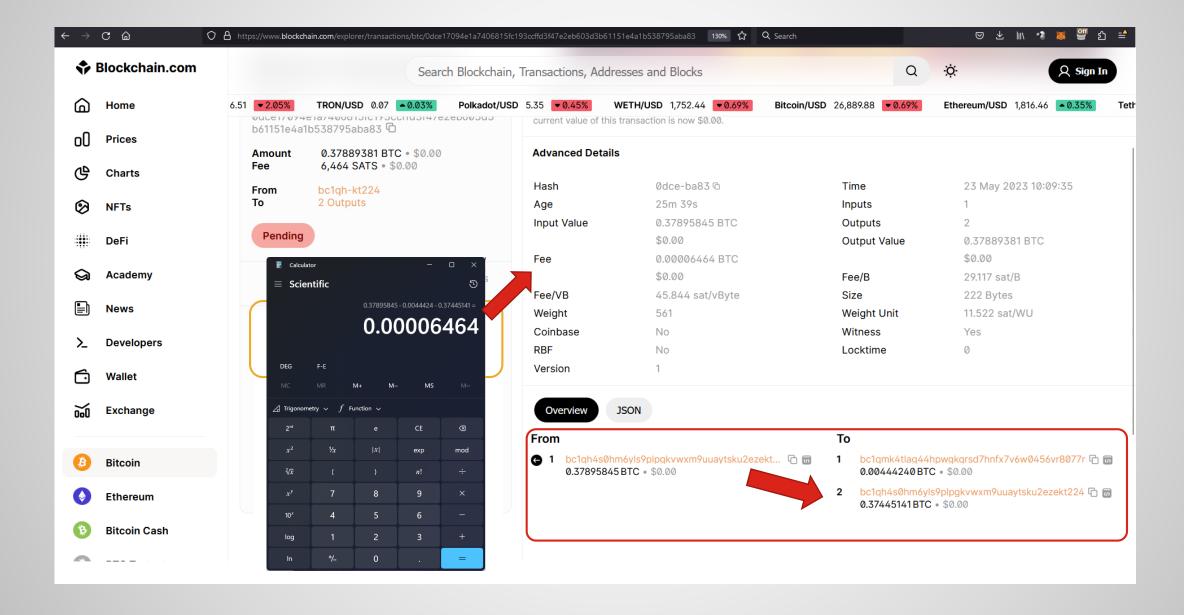
Anonymity, in theory, is achieved by not binding the key pairs to their owners' true identity.











Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:3
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
  "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:3
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Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222,
 "version": 1,
                      Hash of this TX = TXID
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:3
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222,
                Size of this TX (bytes)
 "version": 1,
 "locktime": 0.
 "fee": 6464.
 "inputs": [
  "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

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This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ₾	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
                 Version of the protocol used
 "locktime": 0.
                        (1.0 for now)
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false,
   "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222,
 "version": 1,
                   Time/Block index after which the
 "locktime": 0,
                   output can be spent. Zero means
 "fee": 6464.
                         there is no time lock.
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:3
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0,
 "fee": 6464.
                 Transaction fee that goes to the
 "inputs": [
                 miner who puts this TX in a block.
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464.
                      This is not the first transaction in the
 "inputs": [
                      block and is not meant to award the
                           miner the block reward.
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
  "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false,
   "txid": "9c4364e816d8f6d2c8e57c22f49h7d71a100fb98aefe030f94a9431856e3eb00".
                                    Hash of the transaction (TX ID) whose
   "output": 1,
                                   output is providing the input funds for
   "sigscript": "",
                                              this transaction.
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
  "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

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Advanced Details

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Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
                                 Usually specifies the relative number of blocks or
   "sequence": 4294967295,
                                the time duration that must elapse before the input
   "pkscript": "0014bd60fbef44fc
                                can be considered for spending. Also has use cases
   "value": 37895845.
   "address": "bc1qh4s0hm6yls9pipgkvwxm9uuaytskuzezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
 "outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
                                                 scriptPubKey, is the script that
   "sequence": 4294967295,
                                               defines the spending conditions or
   "pkscript": "0014bd60fbef44fc0a1f8516638g
                                                  locking script of the previous
   "value": 37895845,
                                                      transaction output.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uu_,
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00",
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd601
                           The amount to be taken from the input (in
   "value": 37895845,
                          Satoshi, which is 1/100.000.000 of BTC). You
   "address": "bc1qh4s0h
                            must take all of it, but you may return the
   "witness": [
                                      change to yourself.
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
 "outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295.
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22a16a2b22"
                                       Address/Hash of the public key (from the
   "value": 37895845.
                                       previous transaction) to which money had
   "address": "bc1qh4s0hm6yls9plpgkv
                                        gone. It is now providing money to this
   "witness": [
                                               transaction as the input.
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022)
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175,
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Witness

Locktime

Yes

Advanced Details

Hash 0dce-ba83 © Time 23 May 2023 10:09:35 35m 19s Inputs Age 0.37895845 BTC Input Value Outputs \$0.00 Output Value 0.37889381 BTC \$0.00 Fee 0.00006464 BTC \$0.00 Fee/B 29.117 sat/B Fee/VB 45.844 sat/vByte Size 222 Bytes Weight 561 Weight Unit 11.522 sat/WU

Output(s)

Overview

Coinbase

Version

RBF

```
JSON
```

No

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
"fee": 6464
 "inputs": [
   "coinbase": false,
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
                                             Elliptic Curve Digital Signature of the owner of
"3044022052a0ae499d680f9e83a92f17d26
                                              the money in the previous transaction. The
1bb47e5dba55cba2280d17893c548ed67177
                                            money had actually gone to his public key. Now
    "02119c966a2ee8459c385a1f28ee1e496
                                              he proves the money is his by signing this
                                             transaction by his corresponding private key.
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
"time": 1684867175.
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Locktime

Advanced Details

Hash	Ødce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes

Output(s)

Overview

RBF

Version

```
ew JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022b
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r"
   "pkscript": "0014ddaabff515adc2e45803837d79a
                                                      This transaction has two outputs. 444240
   "value": 444240,
                                                  Satoshis (0.0044240 BTC) go to the first address,
   "spent": false.
                                                      and 37445141 Satoshis go to the second
   "spender": null
                                                    address, which is actually the address of the
                                                      sender himself. This is the change. The
                                                          remaining is the transaction fee.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuayts
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Locktime

Advanced Details

Hash	0dce-ba83 ₾	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes

Output(s)

Overview

RBF

Version

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
 "outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c".
   "value": 444240,
                            The "pkscript" field contains the hexadecimal representation of the
   "spent": false.
                            locking script or public key script associated with a specific output.
   "spender": null
                            This script defines the conditions that must be met to spend the funds
                            locked in that output.
   "address": "bc1qh4s0hm(
                            An interpreted version could be:
   "pkscript": "0014bd60fbe
                            OP DUP OP HASH16(la3...2ea1 OP EQUALVERIFY OP CH...ECKSIG
   "value": 37445141,
   "spent": false,
   "spender": null
                                           Recipient's Address
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs	2
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014dda
   "value": 444240,
                           This output has not been the input of any other
   "spent": false.
                        transactions yet (not spent yet). This info comes from
   "spender": null
                          blockchain.com and not the transaction content.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 1684867175
 "deleted": false,
 "time": 1684867175.
 "rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

0dce-ba83 © Time 23 May 2023 10:09:35 Hash 35m 19s Inputs Age 0.37895845 BTC Outputs Input Value \$0.00 Output Value 0.37889381 BTC \$0.00 0.00006464 BTC Fee \$0.00 Fee/B 29.117 sat/B Fee/VB 45.844 sat/vByte Size 222 Bytes 11.522 sat/WU Weight 561 Weight Unit Coinbase No Witness Yes Locktime RBF No

Output(s)

Overview

```
v JSOI
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
"fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295.
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022b
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
                                The "memory pool," is a temporary storage area in
 "block": {
                                each Bitcoin node where valid but unconfirmed
 "mempool": 1684867175
                                transactions are held. When a transaction is
                                broadcasted to the Bitcoin network, it first enters the
 "deleted": false,
                                mempool of the participating nodes. This transaction
"time": 1684867175.
                                is young and is not in a block.
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Advanced Details

Hash	0dce-ba83 ©	Time	23 May 2023 10:09:35
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs 2	
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes
RBF	No	Locktime	0

Output(s)

Overview

Version

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false,
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295.
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845,
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
 "outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
                        The "deleted" field is typically used by blockchain
 "block": {
                        explorers or APIs to indicate whether a particular
 "mempool": 16848671
                        transaction has been deleted or invalidated. A value
                        of "false" means that the transaction is still valid and
 "deleted": false,
                        exists on the blockchain
 "time": 1684867175.
"rbf": false,
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Locktime

Advanced Details

Hash	0dce-ba83 ©	Time 23 May 2023 10:09	
Age	35m 19s	Inputs	1
Input Value	0.37895845 BTC	Outputs 2	
	\$0.00	Output Value	0.37889381 BTC
Fee	0.00006464 BTC		\$0.00
	\$0.00	Fee/B	29.117 sat/B
Fee/VB	45.844 sat/vByte	Size	222 Bytes
Weight	561	Weight Unit	11.522 sat/WU
Coinbase	No	Witness	Yes

Output(s)

Overview

RBF

Version

JSON

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
 "fee": 6464
 "inputs": [
   "coinbase": false,
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
 "outputs": [
   "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
  "mempool": 16
                  Replace-By-Fee (RBF) is a feature in Bitcoin that
                  allows the sender of a transaction to replace it
 "deleted": false,
                  with a new version that includes a higher fee. A
 "time": 1684867
                  "false" value means that the transaction is not
 "rbf": false,
                  marked for potential replacement through RBF.
 "weight": 561
```

Metadata

Input(s)

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value of this transaction is now \$0.00.

Locktime

Advanced Details

0dce-ba83 © Time 23 May 2023 10:09:35 Hash 35m 19s Inputs Age 0.37895845 BTC Outputs Input Value \$0.00 Output Value 0.37889381 BTC 0.00006464 BTC \$0.00 Fee \$0.00 Fee/B 29.117 sat/B Fee/VB 45.844 sat/vByte Size 222 Bytes Weight 561 Weight Unit 11.522 sat/WU Coinbase No Witness Yes

Output(s)

Overview

RBF

Version

```
JSON
```

```
"txid": "0dce17094e1a7406815fc193ccffd3f47e2eb603d3b61151e4a1b538795aba83",
 "size": 222.
 "version": 1,
 "locktime": 0.
"fee": 6464
 "inputs": [
   "coinbase": false.
   "txid": "9c4364e816d8f6d2c8e57c22f49b7d71a100fb98aefe030f94a9431856e3eb00".
   "output": 1,
   "sigscript": "",
   "sequence": 4294967295,
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37895845.
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "witness": [
"3044022052a0ae499d680f9e83a92f17d28ad84b9e66c9258ca0707213dadf574f70ee59022b
1bb47e5dba55cba2280d17893c548ed6717721955757044ec254f304e615d80b01",
    "02119c966a2ee8459c385a1f28ee1e49667a574501741b6018bb9eb3933d02069d"
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
   "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240,
   "spent": false.
   "spender": null
   "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
   "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 37445141,
   "spent": false,
   "spender": null
 "block": {
 "mempool": 16848
                     The concept of "weight" is specific to SegWit transactions and
                     is used to determine the transaction's size in terms of block
"deleted": false.
                     space consumption. It is different from the traditional
"time": 1684867175
                     measure of transaction size in bytes. The weight of a
"rbf": false,
                     transaction is used to calculate the transaction fee based on
 "weight": 561
                     the amount of block space it consumes
```

Summary

Fee

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value transaction is now \$0.00.

Advanced Details

Hash 0dce-ba83 © Time 23 May 2023 10:09:35

Age Inputs

Input Value 0.37895845 BTC Outputs

\$0.00

Output Value 0.00006464 BTC \$0.00

\$0.00 29.117 sat/B Fee/B Fee/VB 45.844 sat/vByte Size 222 Bytes

561 Weight Unit 11.522 sat/WU Weight

Coinbase No Witness Yes **RBF** No Locktime

Version

Overview

Pending

Confirmed

0.37889381 BTC

0.37889381 BTC

\$0.00

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. The transaction currently has 131 confirmations on the network. The current value of this transaction is now \$0.00.

Advanced Details

0dce-ba83 © Block ID Hash 791.082 Position 2194 Time 23 May 2023

Inputs Age

0.37895845 BTC Input Value Outputs

> \$0.00 **Output Value** 0.00006464 BTC

\$0.00 Fee/B 29.117 sat/B Fee/VB 45.844 sat/vBvte Size 222 Bytes

561 11.522 sat/WU Weight Weight Unit

Coinbase No Witness Yes **RBF** No 0 Locktime

Version

Overview

Fee

```
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
  "value": 444240,
  "spent": false.
  "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
  "value": 37445141,
  "spent": false,
  "spender": null
"block": {
 "mempool": 1684867175
"deleted": false,
"time": 1684867175,
"rbf": false,
"weight": 561
```

```
"outputs": [
 "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
  "value": 444240,
  "spent": true,
  "spender": {
  "txid": "a289b4aba552a3caf5c7ec64470f96c6c33ea6b24d6a6e82b811b1fd9c3c8fc0",
   "input": 0
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
  "value": 37445141,
  "spent": true,
  "spender": {
  "txid": "3635d5d01c1e4d
   "input": 0
                          Block height represents the position of a block
                          within the blockchain. The first block, also known
                           as the genesis block, has a block height of 0, and
,,
"block": {
                          each subsequent block increases the height by 1.
 "height": 791082,
 "position": 2194
"deleted": false,
"time": 1684867171,
"rbf": false,
"weight": 561
```

Summary

Fee

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value transaction is now \$0.00.

Advanced Details

Hash 0dce-ba83 © Time 23 May 2023 10:09:35

35m 19s Age Inputs Input Value 0.37895845 BTC Outputs

\$0.00 **Output Value** 0.37889381 BTC

0.00006464 BTC \$0.00

\$0.00 29.117 sat/B Fee/B Fee/VB 45.844 sat/vByte Size 222 Bytes

561 Weight Unit 11.522 sat/WU Weight Coinbase No Witness Yes

RBF No Locktime

Version

Overview

Pending

Confirmed

0.37889381 BTC

\$0.00

Yes

0

29.117 sat/B

11.522 sat/WU

222 Bytes

Summary

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. The transaction currently has 131 confirmations on the network. The current value of this transaction is now \$0.00.

Output Value

Fee/B

Size

Advanced Details

0dce-ba83 © Block ID Hash 791.082 Position 2194 Time 23 May 2023 Inputs Age

0.37895845 BTC Input Value Outputs

\$0.00

0.00006464 BTC Fee

\$0.00

Fee/VB 45.844 sat/vBvte

561 Weight Weight Unit

Coinbase No Witness **RBF** No Locktime

Version

Overview

```
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
  "value": 444240,
  "spent": false,
  "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
  "value": 37445141,
  "spent": false,
  "spender": null
"block": {
 "mempool": 1684867175
"deleted": false,
"time": 1684867175,
"rbf": false,
"weight": 561
```

```
"outputs": [
 "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
 "value": 444240,
  "spent": true,
  "spender": {
   "txid": "a289b4aba552a3caf5c7ec64470f96c6c33ea6b24d6a6e82b811b1fd9c3c8fc0",
   "input": 0
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
  "value": 37445141,
  "spent": true,
  "spender": {
   "txid": "3635d5d01c1e4dbf9f19493c56af128f76fb57a588d734943a1a7a02a5427380",
   "input": 0
"block": {
 "height": 791082,
                          Position of the transaction in the block.
 "position": 2194
"deleted": false,
"time": 1684867171,
"rbf": false,
"weight": 561
```

Summary

Fee

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. This transaction is unconfirmed. The current value transaction is now \$0.00.

Advanced Details

Hash 0dce-ba83 © Time 23 May 2023 10:09:35

Age | 35m 19s | Inputs | 1 | Input Value | 0.37895845 BTC | Outputs | 2

 0.37895845 BTC
 Outputs
 2

 \$0.00
 Output Value
 0.37889381 BTC

0.00006464 BTC \$0.00

4 BTC

\$0.00 Fee/B 29.117 sat/B
Fee/VB 45.844 sat/vByte Size 222 Bytes

Weight 561 Weight Unit 11.522 sat/WU

 Coinbase
 No
 Witness
 Yes

 RBF
 No
 Locktime
 Ø

Version

Overview

Pending

Summary

Fee

This transaction was first broadcasted on the Bitcoin network on May 23, 2023 at 10:05 AM GMT+3:30. The transaction currently has 131 confirmations on the network. The current value of this transaction is now \$0.00.

Advanced Details

Hash 0dce-ba83 © Block ID 791,082

Position 2194 Time 23 May 2023 10:09:45

Age 1d 1h 52m 43s Inputs

Input Value 0.37895845 BTC Outputs 2

\$0.00 Output Value 0.37889381 BTC

0.00006464 BTC \$0.00

\$0.00 Fee/B 29.117 sat/B

 Fee/VB
 45.844 sat/vByte
 Size
 222 Bytes

 Weight
 561
 Weight Unit
 11.522 sat/WU

 Coinbase
 No
 Witness
 Yes

 RBF
 No
 Locktime
 Ø

Version 1

Overview

Confirmed

```
"outputs": [
  "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
  "value": 444240,
  "spent": false,
  "spender": null
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
  "value": 37445141,
  "spent": false,
  "spender": null
"block": {
 "mempool": 1684867175
"deleted": false,
"time": 1684867175,
"rbf": false,
"weight": 561
```

```
"outputs": [
 "address": "bc1qmk4tlag44hpwgkqrsd7hnfx7v6w0456vr8077r",
 "pkscript": "0014ddaabff515adc2e45803837d79a4de669cfad34c",
   "value": 444240
  "spent": true,
   "txid": "a289b4aba552a3caf5c7ec64470f96c6c33ea6b24d6a6e82b811b1fd9c3c8fc0",
   "input": 0
  "address": "bc1qh4s0hm6yls9plpgkvwxm9uuaytsku2ezekt224",
  "pkscript": "0014bd60fbef44fc0a1f8516638db2f39d22e16e2b22",
   "value": 27//51/1
  "spent": true,
   "txid": "3635d5d01c1e4dbf9f19493c56af128f76fb57a588d734943a1a7a02a5427380",
   "input": 0
"block": {
 "height": 791082,
 "position": 2194
"deleted": false,
"time": 1684867171,
"rbf": false,
"weight": 561
```

Bitcoin Language

- Bitcoin has a language called "Script".
 - It was inspired by the not-much-known Forth language.
 - It's a stack-based language.
 - No loops are supported
 - It's not a Turing-complete Language.
 - Do not expect complex functions to be implemented.
 - The good news is that there is no infinite or long loop problems and therefore, a workaround like Ethereum Gas is not necessary.
 - It has 256 instructions (1 byte commands)
 - 15 are disabled, and 75 are reserved.
 - The rest are for cryptographic operations, IF THEN conditions, etc.
 - If a transaction script is erroneous, the transaction will be deemed invalid.

A Few Commonly-used Script Operations

Command	Description
OP_DUP	Copies/duplicates the top item on the stack.
OP_HASH160	Hashes the input two times; first with SHA-256, then with RIPEMD-160.
OP_EQUALVERIFY	Returns TRUE if the inputs are equal, and FALSE (and marks the transaction as invalid) if they are unequal.
OP_CHECKSIG	Checks that the input signature is a valid one using the input public key for the hash of the current transaction.
OP_CHECKMULTISIG	Checks that the k signatures mentioned in the transaction (out of the possible n signatures) are valid (based on the k specified public keys).

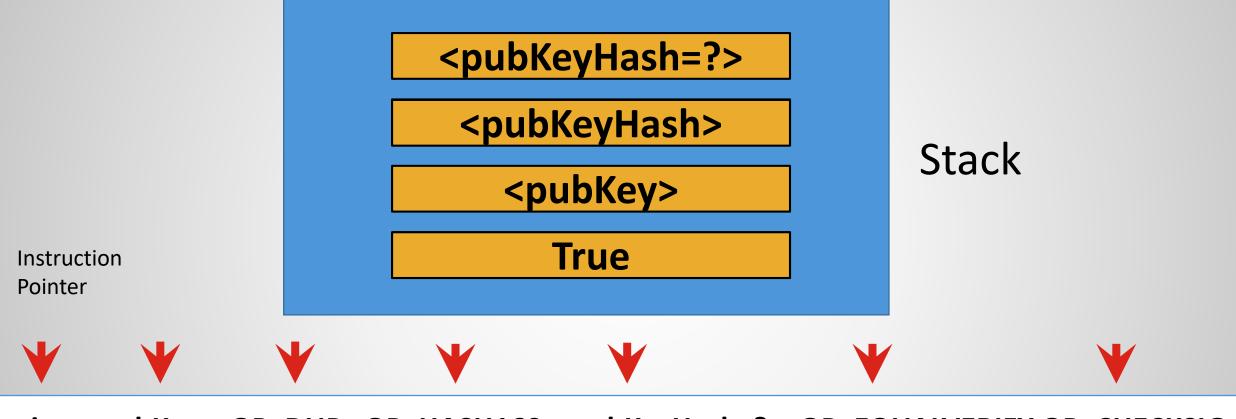
How a Spending Transaction Works

- A spending transaction has a (script) signature in its input. It must be compatible with the output of the transaction it refers to in the input.
 - For a payment to be successful, the input script of the spending transaction is put at the beginning of the output of the previous transaction, and it must execute flawlessly.

```
289a948e...
8813e11b...

OP_DUP
OP_HASH160
392a305e2a...
OP_EQUALVERIFY OP_CHECKSIG
```

Bitcoin Language Stack in a Spending Transaction



<sig> <pubKey> OP_DUP OP_HASH160 <pubKeyHash=?> OP_EQUALVERIFY OP_CHECKSIG

Multiple Signature Transaction

- It is possible to create a transaction whose output can be unlocked by the joint signatures of k out of n people.
 - If n is the total people involved, and any k of them decide to unlock the transaction (in the input of another transaction), they issue a transactions with k signatures (in its input).
 - The operation called is OP_CHECKMULTISIG.

Statistics of Transaction Types

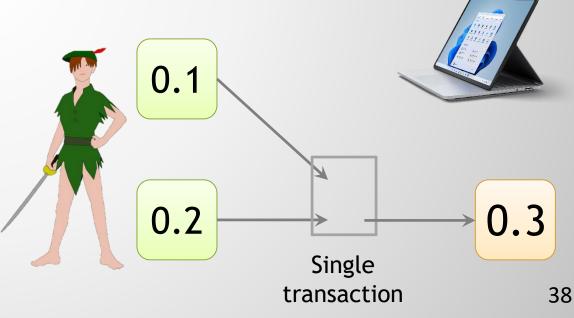
- 99.9% of transactions are simple signature checks (with one or more inputs)
- 0.01% are Multi-signature trans.
- 0.01% are Pay-to-Script-Hash
- The rest are erroneous trans., PoB, etc.

Back to Anonymity

- A seller only gives the hash of his public key (Bitcoin address) to the buyer.
 - The buyer actually pays the money to the hash of a public key.
 - When the seller wants to spend the money, he/she reveals the public key in the spending transaction and proves owning the money by signing the transaction with the corresponding private key of his/hers.
- The hashing of public key and turning it into the address does not really hide the public key.
 - The first time the user tries to spend the money, the public key is disclosed in the input script of the spending transaction.

Back to Anonymity

- The user has to spend all the input money in a transaction, but can send part of it back to his/her own address. After that everyone knows his/her public key.
 - Creating a pair of public-private keys is very easy. So the user can make a new Bitcoin address and send the change to their new address.
 - This might look a way of promoting anonymity, but almost everybody can understand that this new address belongs to the same person.
 - The identity of the person remains detached from the keys though.
 - Some try to deanonymize the bitcoin transactions by relying on the fact that the addresses that are put in the input of a single transaction most probably belong to the same person.



Back to Anonymity

- Identity leakage could happen because source IP address of the packet submitting a new transaction to the network can potentially lead to identity of the user.
 - But if he/she hides behind e.g. TOR, nothing but the public key will be disclosed.

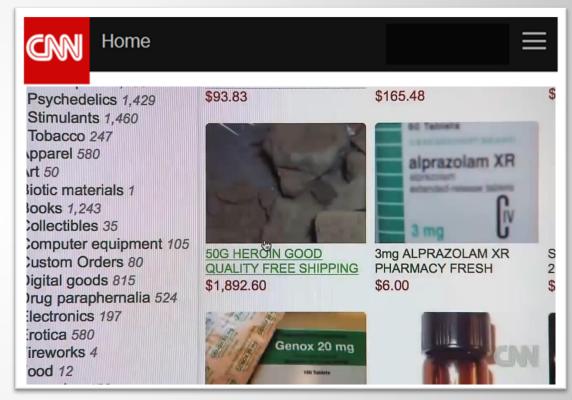


TOR Anonymizing Network

(uses Diffie-Hellman key establishment)

You Remember this? (Silk Road behind TOR)

- Silk Road was one of the first online black markets that used Bitcoin and TOR technologies for anonymity.
- Silk Road was shut down in 2013 and the admin (Ross Ulbricht) was arrested.
 He was sentenced to life in prison!
- Not all the credit for Bitcoin's fame goes to Silk Road. The 2017's price surge was also a big shot.



Usage example: Anonymous p2p spending!



messages 1 orders 0 account \$0.00

Search

Go

Shop by Category

Drugs 2,399

Cannabis 341

Dissociatives 65

Ecstasy 209

Opioids 156

Other 144

Precursors 12

Prescription 526

Psychedelics 427

Stimulants 273

Apparel 114

Art 7

Books 743

Collectibles 12

Computer equipment 19

Custom Orders 26

Digital goods 310

Drug paraphernalia 89

Electronics 20

Erotica 319

Fireworks 2

Food 3

Forgeries 58

Hardware 2

Home & Garden 7

Jewelry 48

Lab Supplies 5

Lotteries & games 29

Medical 5



5x - 10mg Dexedrine (Pure Dextroamphetamine)

B4.94

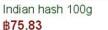
B2.63



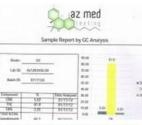
2 x 0,25 mg Xanax (Alprazolam) **B1.50**



Malana charas hand rubbed Indian hash 100g







1 Gram OG KUSH OIL 81% THC 90% TOTAL

B4.13



14 grams (1/2 Ounce) of Nebula JWH-122



3.5g Crystal Meth Ice Shards 20 x 25mg Cialis



B2.57



!!!...Psilocybe-Cubensis-Chocolate III

B18.15





100 x Orange Star Very high MDMA content 180mg



100x 200mg White XTC 'Speakers'



3g Methylone Crystals -\$50-Lab Grade



15mg Adderall Extended Release (1 Capsule)

What Comes Next ...

 We saw how transactions are created and processed on Bitcoin network in detail.

 We learned to what extent anonymity is preserved in the Bitcoin network.

In the next video, we explain P2SH and P2PKH payment types.

See you in the next video ...