Shared Spending Address Finder

This program finds BTC addresses with shared spending and outputs balances of all shared addresses

Uses API from Blockchain.info

Python 2 Version: Arghya Mukherjee

Python 3 Version: Codi West

Running the program with Python 2

Use the `BlockchainP1_py2_v5.py` file

Run with:

```
python BlockchainP1v4.py
```

Settings:

- Set BTC address list to check at the top of the file

Running the program with Python 3

Use the `BlockchainP1_py3.py` file

Run with:

```
python BlockchainP1_py3.py
```

Settings:

- Set global settings near the top of the file
- Set BTC address list to check at the bottom of the file

Results

As shown in `results` folder

Large TX Address

Python 3 Version:

```
Results for address:            15hzoz4YzGnj9Pqu8eNmhw4tBpDGjNgwj9
Total linked addresses:         41475
Depth:                          2
Querying balances..
Too many addresses to display..
Balance for all linked address: 563.23664321 BTC (56323664321 Satoshis)
```

Small TX Address

Python 2 Version:

```
#################################################
bitcoin address: 36bt43aDDvsMJRd48YiRh6LLrNm3qnGZW5
#################################################
# of addresses linked with  36bt43aDDvsMJRd48YiRh6LLrNm3qnGZW5 is  2
balance of  36bt43aDDvsMJRd48YiRh6LLrNm3qnGZW5 is: 0.0
balance of  3Lr3uJY4cHM8zg8WhoLp9pfrsBXAQEj5ao is: 0.0
#################################################
Total Balance is: 0.0
#################################################
```

Python 3 Version:

```
Results for address:            36bt43aDDvsMJRd48YiRh6LLrNm3qnGZW5
Total linked addresses:         2
Depth:                          2
Summing balances from local cache..
3Lr3uJY4cHM8zg8WhoLp9pfrsBXAQEj5ao   0
36bt43aDDvsMJRd48YiRh6LLrNm3qnGZW5   0
Balance for all linked address: 0.0 BTC (0 Satoshis)
```

Dormant 1 Address

Python 2 Version:

```
##################################################
bitcoin address: 19ere2oJzJh81A5Q64SExDZYz54RvWHqZz
##################################################
# of addresses linked with  19ere2oJzJh81A5Q64SExDZYz54RvWHqZz is  16
balance of  13uraL1Maba7obbhkdB4pjsqMyvqrcTeeD is: 0.0016001
balance of  1GcDdCJBGBGKxqvMzYfYq5ZQs3smUSAfXa is: 0.0
balance of  1BcR5cmcxfsow8JiBuDjtHRYTNs7g9tSeR is: 0.0
balance of  1JPH9G46QqGSWobb4ZWJZZoydfds6Pgrwt is: 0.00052
balance of  14jGmpwuKRfChGFqfSma941R2AjwfC4r23 is: 0.0
balance of  15g4a2znVdCHehDBYBduZRmTjf1urH2zgU is: 0.0
balance of  15wLC2HB6sWAuge98xYpR8AoZdtk5Dg4cL is: 0.0
balance of  1A6tSUk1NfEPBLEUBFNXAPwnBR5KiB9zvT is: 0.0
balance of  17S4oE21kRw51ZpyWQL6CsBaytNphy1Jsz is: 0.0
balance of  19ere2oJzJh81A5Q64SExDZYz54RvWHqZz is: 0.00993905
balance of  1Kus69tpnTzCwKy7zVLU7f2sDvGDUkiPz5 is: 0.0
balance of  19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D is: 0.00151
balance of  12wNM39xprrzkUoJ9cQbJMuerKt5iWCZuD is: 0.00051
balance of  1FwEVEYnESzvU5Laj891EvHmDkvdkwY6Vs is: 0.0
balance of  1rqA6iteBVryQV3yjF7DHR3Mew8PhxNV8 is: 0.00052
balance of  14c8poWuaYvkysSdTCX7P6E5cCXJRsYigK is: 0.0
```

Python 3 Version:

```
Results for address:               19ere2oJzJh81A5Q64SExDZYz54RvWHqZz
Total linked addresses:            16
Depth:                             5
Summing balances from local cache..
14c8poWuaYvkysSdTCX7P6E5cCXJRsYigK   0
12wNM39xprrzkUoJ9cQbJMuerKt5iWCZuD   51000
1GcDdCJBGBGKxqvMzYfYq5ZQs3smUSAfXa   0
14jGmpwuKRfChGFqfSma941R2AjwfC4r23   0
1rqA6iteBVryQV3yjF7DHR3Mew8PhxNV8    52000
1A6tSUk1NfEPBLEUBFNXAPwnBR5KiB9zvT   0
1BcR5cmcxfsow8JiBuDjtHRYTNs7g9tSeR   0
19ere2oJzJh81A5Q64SExDZYz54RvWHqZz   993905
15wLC2HB6sWAuge98xYpR8AoZdtk5Dg4cL   0
17S4oE21kRw51ZpyWQL6CsBaytNphy1Jsz   0
15g4a2znVdCHehDBYBduZRmTjf1urH2zgU   0
1FwEVEYnESzvU5Laj891EvHmDkvdkwY6Vs   0
1JPH9G46QqGSWobb4ZWJZZoydfds6Pgrwt   52000
1Kus69tpnTzCwKy7zVLU7f2sDvGDUkiPz5   0
13uraL1Maba7obbhkdB4pjsqMyvqrcTeeD   160010
19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D   151000
Balance for all linked address:    0.01459915 BTC (1459915 Satoshis)
```

Dormant 2 Address

Python 2 Version:

```
##################################################
bitcoin address: 19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D
##################################################
# of addresses linked with  19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D is  16
balance of  13uraL1Maba7obbhkdB4pjsqMyvqrcTeeD is: 0.0016001
balance of  1GcDdCJBGBGKxqvMzYfYq5ZQs3smUSAfXa is: 0.0
balance of  1BcR5cmcxfsow8JiBuDjtHRYTNs7g9tSeR is: 0.0
balance of  1JPH9G46QqGSWobb4ZWJZZoydfds6Pgrwt is: 0.00052
balance of  14jGmpwuKRfChGFqfSma941R2AjwfC4r23 is: 0.0
balance of  15g4a2znVdCHehDBYBduZRmTjf1urH2zgU is: 0.0
balance of  15wLC2HB6sWAuge98xYpR8AoZdtk5Dg4cL is: 0.0
balance of  1A6tSUk1NfEPBLEUBFNXAPwnBR5KiB9zvT is: 0.0
balance of  17S4oE21kRw51ZpyWQL6CsBaytNphy1Jsz is: 0.0
balance of  19ere2oJzJh81A5Q64SExDZYz54RvWHqZz is: 0.00993905
balance of  1Kus69tpnTzCwKy7zVLU7f2sDvGDUkiPz5 is: 0.0
balance of  19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D is: 0.00151
balance of  12wNM39xprrzkUoJ9cQbJMuerKt5iWCZuD is: 0.00051
balance of  1FwEVEYnESzvU5Laj891EvHmDkvdkwY6Vs is: 0.0
balance of  1rqA6iteBVryQV3yjF7DHR3Mew8PhxNV8 is: 0.00052
balance of  14c8poWuaYvkysSdTCX7P6E5cCXJRsYigK is: 0.0
##################################################
Total Balance is: 0.01459915
```

Python 3 Version:

```
Results for address:               19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D
Total linked addresses:            16
Depth:                             4
Summing balances from local cache..
14c8poWuaYvkysSdTCX7P6E5cCXJRsYigK  0
12wNM39xprrzkUoJ9cQbJMuerKt5iWCZuD  51000
1GcDdCJBGBGKxqvMzYfYq5ZQs3smUSAfXa  0
14jGmpwuKRfChGFqfSma941R2AjwfC4r23  0
1rqA6iteBVryQV3yjF7DHR3Mew8PhxNV8   52000
1A6tSUk1NfEPBLEUBFNXAPwnBR5KiB9zvT  0
1BcR5cmcxfsow8JiBuDjtHRYTNs7g9tSeR  0
19ere2oJzJh81A5Q64SExDZYz54RvWHqZz  993905
15wLC2HB6sWAuge98xYpR8AoZdtk5Dg4cL  0
17S4oE21kRw51ZpyWQL6CsBaytNphy1Jsz  0
15g4a2znVdCHehDBYBduZRmTjf1urH2zgU  0
1FwEVEYnESzvU5Laj891EvHmDkvdkwY6Vs  0
1JPH9G46QqGSWobb4ZWJZZoydfds6Pgrwt  52000
1Kus69tpnTzCwKy7zVLU7f2sDvGDUkiPz5  0
13uraL1Maba7obbhkdB4pjsqMyvqrcTeeD  160010
19QDGMRKdZ9BpDZP2Re6yaDqNQ7zN4wo1D  151000
Balance for all linked address:    0.01459915 BTC (1459915 Satoshis)
```