

Problem 1. Answer the following questions about the transaction where you received the bitcoin. If you received more than one transfer, include all the transaction IDs).

a. What is the transaction ID?

[a46e8b2f3f17e7450eedd9ff0fe83c320b66779750241280d04ee2b5eb2be5d8](#)

b. What was the transaction fee for the transaction? (Give your answer in BTC, as well as current approximate US dollar value.)

0.0001 BTC = 0.02 USD

c. What was the total value of all the transactions in the block containing your transfer? (Note: <https://blockchain.info> provides this info conveniently, although you could compute it yourself)

Block #372359

Estimated Transaction Volume: 2,732.47337582 BTC = \$ 630,081.04

d. How long did it take from when the transaction was received until it had 3 confirmations? (Include an explanation of how you estimated this in your answer.)

21 minutes = 7 minutes between Received Time and Inclusion in Blocks * 3

Problem 2. See how much can you figure out about the way bitcoin was transferred to students in the class, starting from your transactions.

a. Identify the bitcoin addresses of what are likely to be other students in the class (you could potentially find all of them, but it is enough to find 3).

[1BHD4CRjp1yLPhZDQY31A2vPRXUBKFt4JF](#)

[1FqQV1R3H8dftDupCjCoW7b6kSVxoBZBmh](#)

[1LveaSSVmvRvnbcwsvBdC8AvoqoLro5DG4](#)

Found from following the “change” forward and looking for more sends of similar amounts.

b. Trace back the source of the bitcoin as far as you can. Bonus points if you can figure out from which exchange the bitcoin was purchased and when.

Traced back to Address [1PAyvggUiXLcQdj5gkHqx1sC1vW96p9FLT](#)

b. (Bonus) Can you learn anything about where the send of the bitcoin is located geographically? (In this case, you have external information to know I’m in Charlottesville,

The random number generator for the private key is perfectly random and will not form clusters that thieves can take advantage of.

The generator has a very large range of possible private keys it can generate.

I ran into issues installing btcd and can't run any of the .go files so I couldn't complete the rest of the problems yet. I would like to resubmit late.