

Homework2

Read the Ethereum white paper (<https://ethereum.org/en/whitepaper/>). Answer the following questions:

Ethereum uses account model to store the blockchain state. One claims that the account model can reduce the average size of simple transfer transactions comparing to the UTXO model. Do you think this is true or not? Explain why.

One claims that comparing to the account model in Ethereum, the UTXO model can provide anonymous transactions if the user creates a new address for every transaction. Do you think this is true or not? Explain why.

Why Ethereum introduces a GAS limit for the block? What if we remove the GAS limit and put back the traditional block limit of 1MB like Bitcoin?

Ethereum sets up a different GAS amount for different EVM operations. Why?