**Different Steps to set up the network:**

1.We have set up a 4 node Bitcoin Core regtest network.

Download Bitcoin Core Code (0.12 version, not the master) from https://github.com/bitcoin/bitcoin .

2. Setup a regtest network with 4 full nodes on 1 computers running bitcoind. We have assign three different port 18222 for alice,18333 for bob,18444 for cory,18555 for dota.

For Help: https://bitcoin.org/en/developer-examples#regtest-mode

3.Using bitcoin-cli do the following things:

a) Connect the systems for 4 nodes A, B, C and D. A will be connected

to B, B is connected to C, C is connected to D and D is connected to A.

b) Manually create the blocks.

c) We have Create accounts on the chain and transfer funds at every 30sec by bob to alice cory,and dota.

4.For each command to execute periodically we have created a separate python code.

**We have modifed in the code for c1**

In chainparams.cpp file we have change the parameters in class CRegTestParams we change three parameter.

1. consensus.nPowTargetTimespan = 5\*10;
2. 2 consensus.nPowTargetSpacing = 1\* 60;
3. consensus.fPowNoRetargeting = false;

**We have modifed in the code for c2**

In chainparams.cpp file we have change the parameters in class CRegTestParams we change three parameter

1. consensus.nPowTargetTimespan = 10\*60;
2. consensus.nPowTargetSpacing = 2\* 60;
3. consensus.fPowNoRetargeting = false;

**Result from the plots of C1 and C2**

**Similarity or different in pattern we have noticed comparing C1 and C2 for both plot-a and plot-b**