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CSE 100

Checkpoint Writeup

Part 1&2:

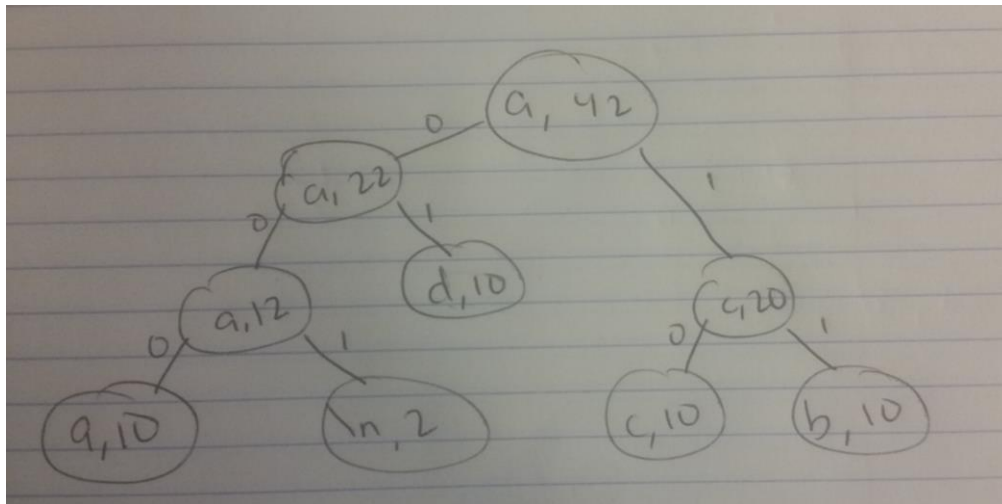
```
./compress on checkpoint1
```

[illegible]

```
./compress on checkpoint2
```

[illegible]

Part 3:



In my code for checkpoint1, I got 2 newline chars, 10 a chars, 10 b chars, and 10 c chars.

I drew the Huffman tree as pictured above for checkpoint 1. I did this by taking the lowest two nodes by frequency or symbol and then making a mini tree of those two nodes with the left node being larger than the right node. I repeated this process for each of the “root” nodes of the forest.

Following this logic, I got:

'a' = 000

‘b’ = 11

'c' = 10

'd' = 01

Newline = 001

