Lab 1 task 3

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discussion posted about 19 hours ago by AlbertYSTang

I have no idea about building the dictionary,. Anyone can help? thx!

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WordyAllen

about 18 hours ago

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Refer to the example in the Hufman slides.They really upped the ante in part 2 of this course, in terms of lab difficulty.

amen

posted about 9 hours ago by LaurieFoster

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KarenWest

10 minutes ago

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I have questions on Lab 1 Task 3 as well. I tried following the slides on Huffman coding. I tried this dict:

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```
    dict = {[0 0 0 0 0 0 0 0 1], [1],
[0 1], [0 0 1], [0 0 0 1],...
    [0 0 0 0 0 1], [0 0 0 0 0 0 1],
[0 0 0 0 0 1], [0 0 0 0 0 0 0
1],...
    [0 0 0 0 0 0 0 0 0 1],[0 0 0 0
1]};
```

It came up with a Huffman Code Length of 121987, so an improvement from the original code, but when I submitted it for grading, knowing it has to go down to 117374, it gave me an error and said the first dict vector is incorrect. I did this simply by adding a 0 for each increasing probability in the dict. I know in the slides, you added the least 2 probabilities to shorten the dict length for the next round of the algorithm until you reach 1. So my ordering of the probabilities by adding zeroes before reaching the number 1 did not take into account any adding of the 2 lowest probabilities (if it was supposed to!) I then tried just making it up, the most probably being 1, next probable 01, next 001, and then did the remaining vectors in 4 bits each, but it complained that the index exceeds matrix dimensions when I did it that way. I'm confused with this if anyone can help!

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