CMSC 204

Huffman Lab

1. Create a Huffman Tree and generate the codes for each character of the following input:

create a huffman tree

For consistency:

1. If same frequency – put in priority queue alphabetically; put space before other characters of the same frequency
2. Add subtrees to end of group with same priority
3. Lower number has higher priority (goes to front)

A diagram of a tree

AI-generated content may be incorrect.

Now encode “create a huffman tree”

Encoded string:  
1101001011110101111110010110011011110000000000101010011100011010111111

1. Based on the following Huffman tree and binary sequence, what is the text

Decoded string:  
enaaeernf tm



1110011101101111111010001100010001100100