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 close up of text on a white background

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Description automatically generated

Now encode “create a huffman tree”

0000 1100 01 111 1101 01 101 111 101 0001 1000 1000 10010 111 10011 101 1101 1100 01 01

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



1110 011 101 101 1111 1101 000 1100 010 001 100 100

“huffman tree”