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)

Diagram, schematic

Description automatically generated

Now encode “create a huffman tree”

111000000111000101101110101111011000111111111001111010010101001

0000101

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



1110011101101111111010001100010001100100

Diagram

Description automatically generated