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 thufo front)

Now encode “create a huffman tree”

Text, letter

Description automatically generated

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



1110011101101111111010001100010001100100

Character | Huffman Code

N 000

R 001

T 010

U 011

E 100

F 101

\n 1100

A 1101

H 1110

M 1111

Priority Queue

1110 011 1111 1101 000 1100 010 001 100 100

human tree