CMSC 204
Huffman Lab

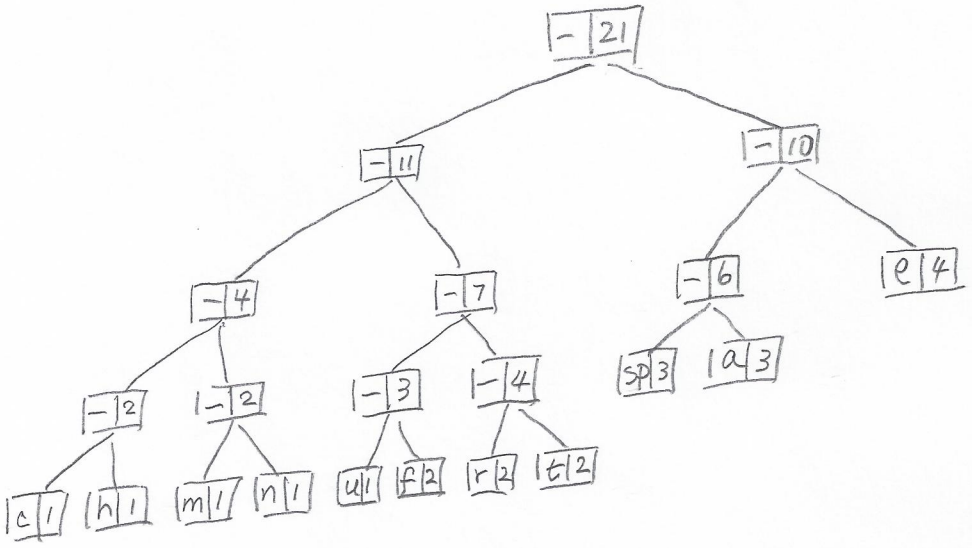
1) Create a Huffman Tree and generate the codes for each character of the following input:

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)

update

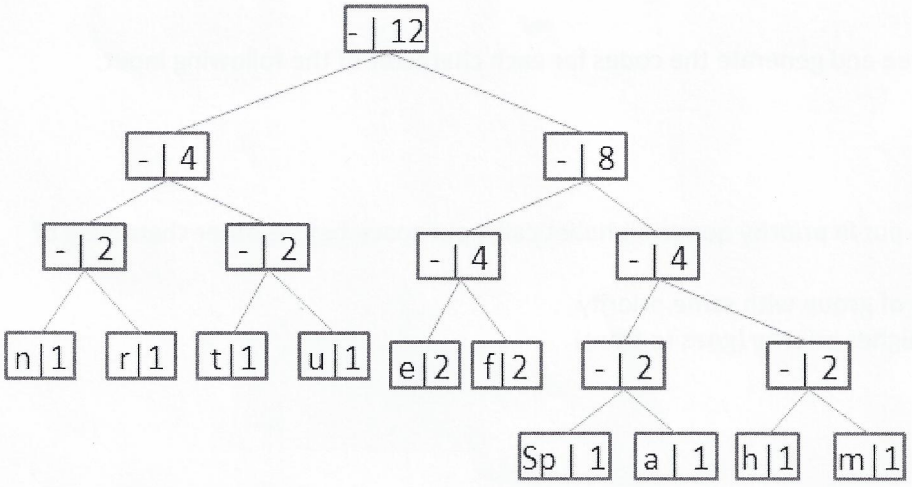


Now encode "create a huffman tree"

0000 0110 1110 1011 1100 101 100 0001 0100 0101 0101 0010 101 0011

100 0111 0110 1111

2) Based on the following Huffman tree and binary sequence, what is the text



1110011101101111111010001100010001100100

h u f f m a n ␣ t r e e

huffman tree