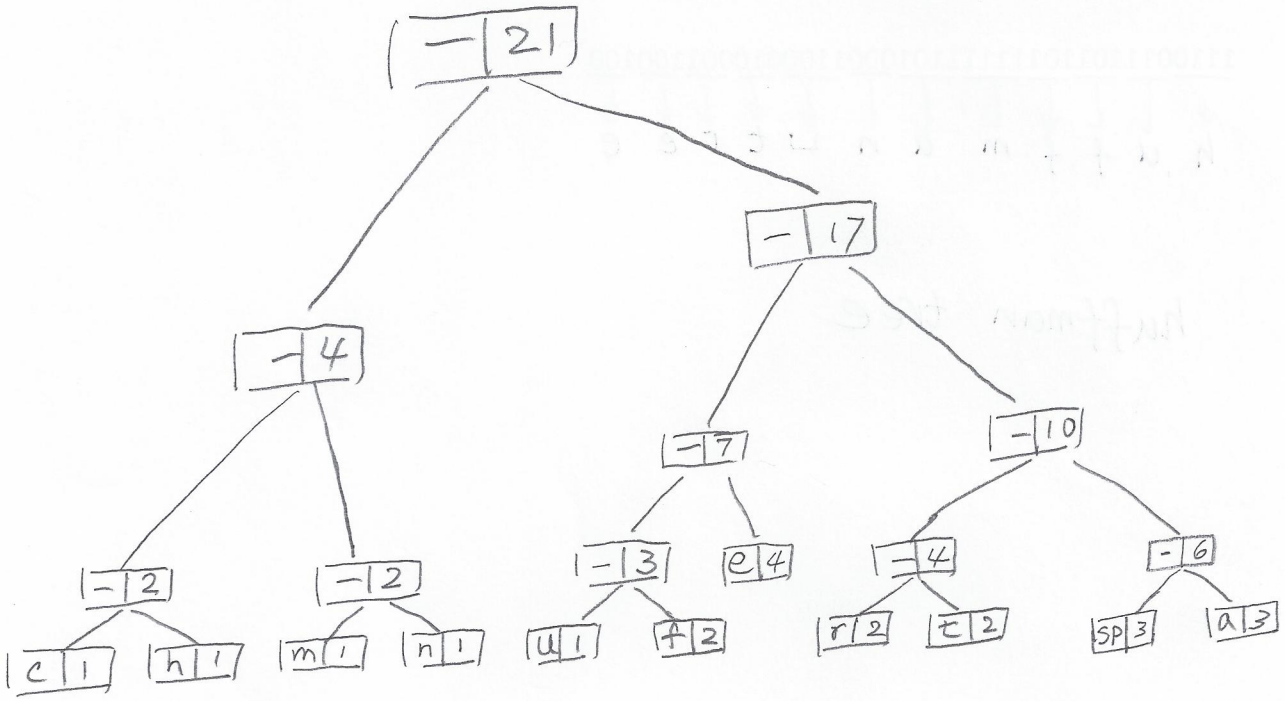
CMSC 204
Huffman Lab

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)

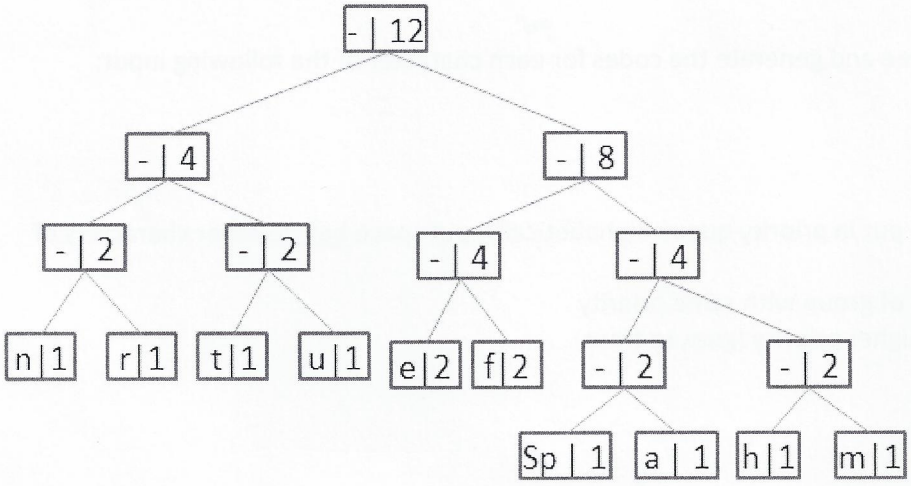


Now encode "create a huffman tree"

000110010111111101101111011111110 001100010011001

010111101111011011100101101

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



11100111011011111110100011000100011001 00

h u f f m a n ␣ t r e e

huffman tree