

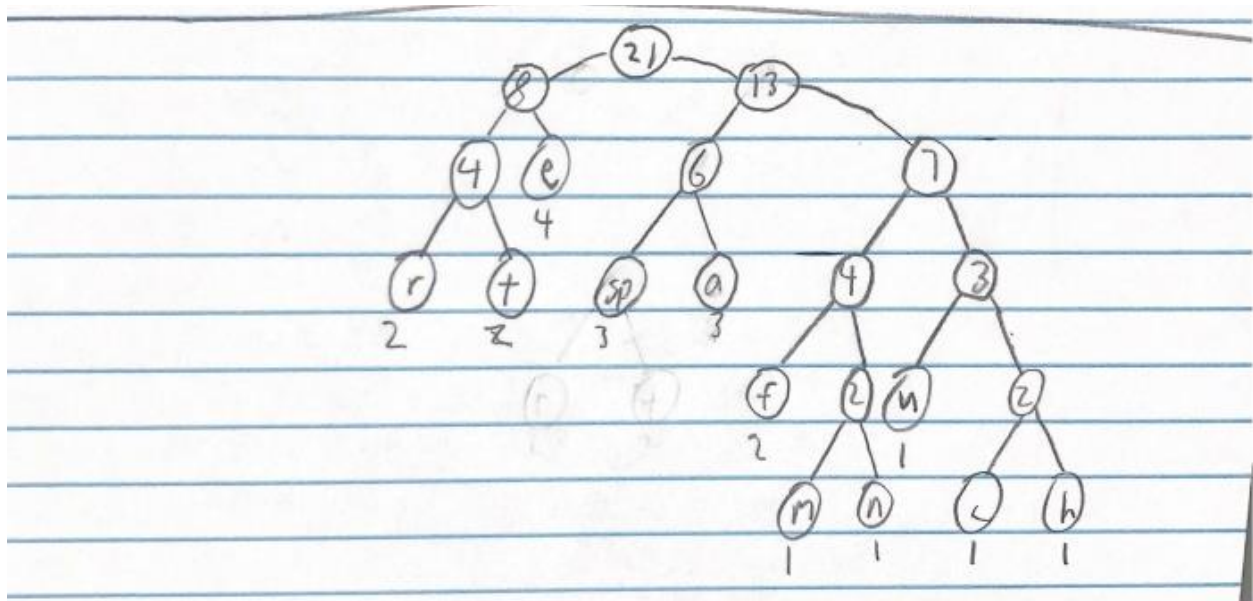
CMSC 204  
Huffman Lab

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

create a huffman tree

For consistency:

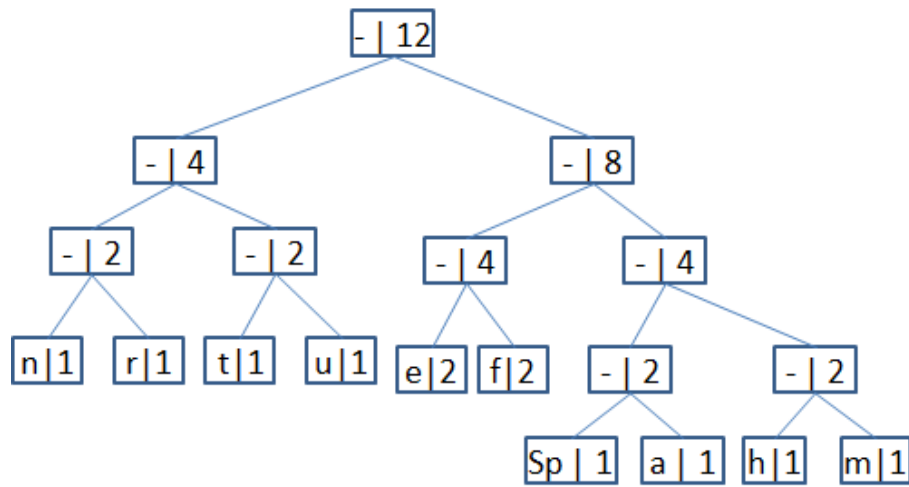
1. If same frequency – put in priority queue alphabetically; put space before other characters of the same frequency
2. Add subtrees to end of group with same priority
3. Lower number has higher priority (goes to front)



Now encode "create a huffman tree"

c	r	e	a	t	e	sp	a	sp	h	u
11110	000	01101	00101	100	100	100	100	11111	1110	
f	f	m	a	n	sp	t	r	e	e	
1100	1100	11010	101	11011	100	001	000	01	01	

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



1110011101101111111010001100010001100100

“Huffman tree”